

Verisk Analytics, Inc.
Form 10-K
February 19, 2019
Table of Contents

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K
ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the fiscal year ended December 31, 2018

or
TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF
1934

For the transition period from _____ to _____
Commission file number 001-34480

VERISK ANALYTICS, INC.

(Exact name of registrant as specified in its charter)

Delaware

26-2994223

(State or other jurisdiction of incorporation or organization)

(I.R.S. Employer Identification No.)

545 Washington Boulevard Jersey City, NJ

07310-1686

(Address of principal executive offices)

(Zip Code)

(201) 469-3000

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange on which registered
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Common Stock \$.001 par value	NASDAQ Global Select Market
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Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§ 229.405 of this chapter) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer

Non-accelerated filer Smaller reporting company

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Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

As of June 30, 2018, the last business day of the registrant's most recently completed second fiscal quarter, the aggregate market value of the registrant's common stock held by non-affiliates of the registrant was \$16,796,964,310 based on the closing price reported on the NASDAQ Global Select Market on such date.

As of February 15, 2019, there were 163,509,530 shares outstanding of the registrant's Common Stock, par value \$.001.

DOCUMENTS INCORPORATED BY REFERENCE

Certain information required by Part III of this annual report on Form 10-K is incorporated by reference to our definitive Proxy Statement for our 2019 Annual Meeting of Stockholders, which will be filed with the Securities and Exchange Commission not later than 120 days after December 31, 2018.

Table of Contents

INDEX

	Page
PART I	
Item 1. <u>Business</u>	<u>4</u>
Item 1A. <u>Risk Factors</u>	<u>15</u>
Item 1B. <u>Unresolved Staff Comments</u>	<u>23</u>
Item 2. <u>Properties</u>	<u>23</u>
Item 3. <u>Legal Proceedings</u>	<u>23</u>
Item 4. <u>Mine Safety Disclosures</u>	<u>24</u>
PART II	
Item 5. <u>Market for Registrant’s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities</u>	<u>25</u>
Item 6. <u>Selected Financial Data</u>	<u>26</u>
Item 7. <u>Management’s Discussion and Analysis of Financial Condition and Results of Operations</u>	<u>29</u>
Item 7A. <u>Quantitative and Qualitative Disclosures About Market Risk</u>	<u>48</u>
Item 8. <u>Consolidated Financial Statements and Supplementary Data</u>	<u>48</u>
<u>Consolidated Balance Sheets</u>	<u>57</u>
<u>Consolidated Statements of Operations</u>	<u>58</u>
<u>Consolidated Statements of Comprehensive Income</u>	<u>59</u>
<u>Consolidated Statements of Changes in Stockholders' Equity</u>	<u>60</u>
<u>Consolidated Statements of Cash Flows</u>	<u>61</u>
<u>Notes to Consolidated Financial Statements</u>	<u>63</u>
Item 9. <u>Changes in and Disagreements with Accountants on Accounting and Financial Disclosure</u>	<u>48</u>
Item 9A. <u>Controls and Procedures</u>	<u>48</u>
Item 9B. <u>Other Information</u>	<u>49</u>
PART III	
Item 10. <u>Directors, Executive Officers and Corporate Governance</u>	<u>50</u>
Item 11. <u>Executive Compensation</u>	<u>50</u>
Item 12. <u>Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters</u>	<u>50</u>
Item 13. <u>Certain Relationships and Related Transactions and Director Independence</u>	<u>50</u>
Item 14. <u>Principal Accounting Fees and Services</u>	<u>50</u>
PART IV	
Item 15. <u>Exhibits and Financial Statement Schedule</u>	<u>51</u>
Item 16. <u>Form 10-K Summary</u>	<u>51</u>
<u>SIGNATURES</u>	<u>105</u>
<u>EXHIBIT INDEX</u>	<u>106</u>
Exhibit 23.1	
Exhibit 31.1	
Exhibit 31.2	
Exhibit 32.1	

Table of Contents

Unless the context otherwise indicates or requires, as used in this annual report on Form 10-K, references to “we,” “us,” “our” or the “Company” refer to Verisk Analytics, Inc. and its subsidiaries.

In this annual report on Form 10-K, all dollar amounts are expressed in millions, unless indicated otherwise.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

Verisk Analytics, Inc., or Verisk, has made statements under the captions “Business,” “Risk Factors,” “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” and in other sections of this annual report on Form 10-K that are forward-looking statements. In some cases, you can identify these statements by forward-looking words such as “may,” “might,” “will,” “should,” “expects,” “plans,” “anticipates,” “believes,” “estimates,” “potential,” or “continue,” the negative of these terms and other comparable terminology. These forward-looking statements, which are subject to risks, uncertainties and assumptions about us, may include projections of our future financial performance, our anticipated growth strategies and anticipated trends in our business. These statements are only predictions based on our current expectations and projections about future events. There are important factors that could cause our actual results, level of activity, performance or achievements to differ materially from the results, level of activity, performance or achievements expressed or implied by the forward-looking statements, including those factors discussed under the caption entitled “Risk Factors.” You should specifically consider the numerous risks outlined under “Risk Factors.”

Although we believe the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, level of activity, performance or achievements. Moreover, neither we nor any other person assumes responsibility for the accuracy and completeness of any of these forward-looking statements. We are under no duty to update any of these forward-looking statements after the date of this annual report on Form 10-K to conform our prior statements to actual results or revised expectations.

Table of Contents

PART I

Item 1. Business

Our Company

Verisk is a leading data analytics provider serving customers in insurance, energy and specialized markets, and financial services. Using advanced technologies to collect and analyze billions of records, we draw on unique data assets and deep domain expertise to provide innovations that may be integrated into customer workflows. We offer predictive analytics and decision support solutions to customers in rating, underwriting, claims, catastrophe and weather risk, natural resources intelligence, economic forecasting, and many other fields. In the United States, or U.S., and around the world, we help customers protect people, property, and financial assets.

Our customers use our solutions to make better decisions about risk and opportunities with greater efficiency and discipline. We refer to these products and services as solutions due to the integration among our services and the flexibility that enables our customers to purchase components or a comprehensive package. These solutions take various forms, including data, expert insight, statistical models and tailored analytics all designed to allow our customers to make more logical decisions. We believe our solutions for analyzing risk have a positive impact on our customers' revenues and help them better manage their costs. In 2018, our customers included all of the top 100 property and casualty, or P&C, insurance providers in the U.S. for the lines of P&C services we offer, and all of the top 30 credit card issuers in North America, the United Kingdom and Australia, as well as 9 of the top 10 global energy providers around the world. We also work with a wide range of companies, governments and institutions across the energy, and metals and mining value chains. We believe that our commitment to our customers and the embedded nature of our solutions serve to strengthen and extend our relationships.

We believe that Verisk is uniquely positioned because of the set of distinctives or competitive advantages we cultivate and continue to expand. Our existing businesses, in addition to new product innovations, integrate the following four singular qualities into the foundation of our strategy.

Our Distinctives

- Unique Data Assets - Data is at the core of what we do. We use our proprietary data assets to develop predictive analytics and transformative models for our customers.
- Deep Domain Expertise - We have specialized and in-depth knowledge in a number of defined vertical markets, including insurance, energy, financial services, and risk management. We understand that different verticals require different approaches, and our deep domain expertise adds value to our analytics in the markets we serve.
- Steady Stream of First-to-Market Innovations - We move quickly to be the first to market with new solutions. Typically, the marketplace assumes that those who are first to market are superior to the competition and better positioned to succeed.
- Deep Integration into Customer Workflows - By embedding our solutions into customer workflows, we help our customers better manage risk and optimize their bottom line. We achieve this goal by remaining closely connected to our customers at all times and serving their distinct needs.

We offer our solutions and services primarily through annual subscriptions or long-term agreements, which are typically pre-paid and represented over 80% of our revenues in 2018. For the year ended December 31, 2018, we had revenues of \$2,395.1 million and net income of \$598.7 million. For the five year period ended December 31, 2018, our revenues and net income grew at a compound annual growth rate, or CAGR, of 13.7% and 10.6%, respectively.

Our History

We trace our history to 1971, when Insurance Services Office, Inc., or ISO, started operations as a not-for-profit advisory and rating organization providing services to the U.S. P&C insurance industry. ISO was formed as an association of insurance companies to gather statistical data and other information from insurers and report to regulators, as required by law. ISO's original functions also included developing programs to help insurers define and manage insurance products and providing information to help insurers determine their own independent premium rates. Insurers used and continue to use our offerings primarily in their product development, underwriting and rating functions.

On May 23, 2008, in contemplation of our initial public offering, or IPO, ISO formed Verisk Analytics, Inc., or Verisk, a Delaware corporation, to be the holding company for our business. Verisk was initially formed as a

wholly-owned subsidiary

4

Table of Contents

of ISO. On October 6, 2009, in connection with our IPO, the Company effected a reorganization whereby ISO became a wholly-owned subsidiary of Verisk. Verisk common stock began trading on the NASDAQ Global Select Market on October 7, 2009, under the ticker symbol “VRSK.”

Over the past two decades, we have transformed our business beyond its original functions by deepening and broadening our data assets, developing a set of integrated risk management solutions and services and addressing new markets. Our expansion into analytics began when we acquired the American Insurance Services Group, or AISG, and certain operations and assets of the National Insurance Crime Bureau in 1997 and 1998, respectively. Those organizations brought to the company large databases of insurance claims, as well as expertise in detecting and preventing claims fraud. To further expand our business, in 2002, we acquired AIR Worldwide, or AIR, the technological leader in catastrophe modeling. In 2006, to bolster our position in the insurance claims field we acquired Xactware, a leading supplier of estimation software for professionals involved in building repair and reconstruction. In 2012, we acquired Argus Information & Advisory Services, LLC, or Argus, to expand our global presence providing information, competitive benchmarking, analytics, and customized services to financial institutions in the payments space. In 2015, we acquired Wood Mackenzie Limited, or Wood Mackenzie, to advance our strategy to expand internationally and position us in the global energy market. In 2017, we acquired a group of similar but unrelated companies for aerial image capture purposes, or Aerial Imagery acquisitions, in our insurance vertical. Additionally, in 2017, we acquired G2 Web Services, LLC, or G2; Sequel Business Solutions Ltd., or Sequel; Lundquist Consulting, Inc., or LCI; and PowerAdvocate, Inc., or PowerAdvocate, to further strengthen our position in the Insurance, Energy and Specialized Markets and Financial Services segments. The Aerial Imagery acquisitions provide multi-spectral aerial photographic services with expertise in offering digital photogrammetric and remote sensing data for mapping and surveying applications. G2 provides merchant risk intelligence solutions for acquirers, commercial banks, and other payment system providers. Sequel is a leading insurance and reinsurance software specialist based in London. LCI offers risk insight, prediction, and management solutions for banks and creditors. PowerAdvocate is a leading data analytics provider with a one-of-a-kind spend and cost data that are curated from millions of transactions across thousands of services, materials, and equipment categories in the energy industry. In 2018, we acquired Rulebook Limited, or Rulebook, to further our international insurance presence in the overseas market. Those acquisitions have added scale, geographic reach, highly skilled workforces, and a wide array of new capabilities to support our customers. They have helped to make us a leading provider of information and decision analytics for customers involved in the business of risk in the U.S. and selectively around the world.

Segments

We organize our business in three segments: Insurance, Energy and Specialized Markets and Financial Services. See “Management’s Discussion and Analysis of Financial Condition and Results of Operations” in Part II of this annual report for additional information regarding our segments. See Note 19. of our consolidated financial statements included in this annual report on Form 10-K for further information.

Insurance Segment

Our Insurance segment primarily serves our P&C insurance customers and focuses on the prediction of loss, the selection and pricing of risk, and compliance with their reporting requirements in each U.S. state in which they operate. We also develop predictive models to forecast scenarios and produce both standard and customized analytics that help our customers better manage their businesses, including detecting fraud before and after a loss event, and quantifying losses. Our customers include most of the P&C insurance providers in the U.S. In recent years, we have expanded our offerings to also serve certain non-U.S. markets.

Underwriting & rating

We are the recognized leader in the U.S. for industry-standard insurance programs that help P&C insurers define coverages and issue policies. We provide policy language, prospective loss costs, policy writing rules, and a variety of other solutions for 29 lines of insurance. Our policy language, prospective loss cost information and policy writing rules can serve as integrated turnkey insurance programs for our customers. Insurance companies need to ensure that their policy language, rules, and rates comply with all applicable legal and regulatory requirements. Insurers must also make sure their policies remain competitive by promptly changing coverages in response to changes in statutes or case

law. To meet their needs, we process approximately 2,400 regulatory filings and interface with state regulators in all 50 states plus the District of Columbia, Guam, Puerto Rico, and the Virgin Islands each year to ensure smooth implementation of our rules and forms. When insurers choose to develop their own alternative programs, our industry-standard insurance programs also help regulators ensure that such insurers' policies meet basic coverage requirements.

Table of Contents

Standardized coverage language, which has been tested in litigation and tailored to reflect judicial interpretation, helps ensure consistent treatment of claimants. As a result, our industry-standard language also simplifies claim settlements and can reduce the occurrence of costly litigation, because our language causes the meaning of coverage terminology to become established and known. Our policy language includes standard coverage language, endorsements and policy writing support language that assist our customers in understanding the risks they assume and the coverages they offer. With these policy programs, insurers also benefit from economies of scale. We have more than 120 specialized lawyers and insurance experts reviewing changes in each state's insurance rules and regulations, including an average of approximately 13,000 legislative bills, 9,000 regulatory actions and 2,000 court decisions per year, to make any required changes to our policy language and rating information.

To cover the wide variety of risks in the marketplace, we offer a broad range of policy programs. For example, in the homeowners line of insurance, we maintain policy language and rules for 6 basic coverages, 283 national endorsements, and 611 state-specific endorsements.

The P&C insurance industry is heavily regulated in the U.S. P&C insurers are required to collect statistical data about their premiums and losses and to report that data to regulators in every state in which they operate. Our statistical agent services have enabled P&C insurers to meet those regulatory requirements for more than 45 years. We aggregate the data, and as a licensed or appointed "statistical agent" in all 50 states, Puerto Rico, and the District of Columbia, we report those statistics to insurance regulators. We are able to capture significant economies of scale given the level of penetration of this service within the U.S. P&C insurance industry.

To provide our customers and the regulators the information they require, we maintain one of the largest private databases in the world. Over the past four decades, we have developed core expertise in acquiring, processing, managing, and operating large and comprehensive databases that are the foundation of our insurance offerings. We use our proprietary technology to assemble, organize and update vast amounts of detailed information submitted by our customers. We supplement this data with publicly available information.

Each year, P&C insurers send us approximately 3.7 billion detailed individual records of insurance transactions, such as insurance premiums collected or losses incurred. We maintain a database of more than 21.4 billion statistical records, including approximately 9.1 billion commercial lines records and approximately 12.3 billion personal lines records. We collect unit transaction detail of each premium and loss record, which enhances the validity, reliability and accuracy of our data sets and our actuarial analyses. Our proprietary quality process includes more than 2,900 separate checks to ensure that the data meets our high standards of quality.

We provide actuarial services to help our customers analyze and price their risks. Using our large database of premium and loss data, our actuaries are able to perform sophisticated analyses using our predictive models and analytic methods to help our P&C insurance customers with pricing, loss reserving, and marketing. We distribute a number of actuarial solutions and offer flexible services to meet our customers' needs. In addition, our actuarial consultants provide customized services for our customers that include assisting them with the development of independent insurance programs, analysis of their own underwriting experience, development of classification systems and rating plans, and a wide variety of other business decisions. We also supply information to various customers in other markets including reinsurance and government agencies.

We project customers' future losses and loss expenses using a broad set of data. Those projections tend to be more reliable than if our customers used their own data exclusively. We make a number of actuarial adjustments before the data is used to estimate future costs. Our customers can use our estimates of future costs in making independent decisions about the prices charged for their policies. For most P&C insurers, in most lines of business, we believe that our estimates of future costs are an essential input to rating decisions. Our actuarial products and services are also used to create the analytics underlying our industry-standard insurance programs described above.

We gather information on properties, businesses, and communities so that insurers can evaluate, price, and efficiently process commercial insurance applications, including property, auto, general liability, business owner's policy, and workers compensation. Our property-specific rating and underwriting data and analytics allow our customers to understand, quantify, mitigate, and avoid potential losses, while matching price to exposure. Our ProMetrix® platform contains information on 6 million commercial buildings, 27.5 million businesses, loss costs and virtually all communities in the U.S. We have a staff of approximately 550 field representatives strategically located around the

U.S. who observe and report on conditions at commercial and residential properties, evaluate community fire-protection capabilities and assess the effectiveness of municipal building-code enforcement. Each year, our field staff visits approximately 290,000 commercial properties to collect information on new buildings and verify building attributes.

Table of Contents

We are a leading provider of solutions for the personal underwriting markets, including homeowners and auto lines. We build and maintain widely used, industry-standard tools that assist insurers in underwriting and rating, that is, measuring and selecting risks and pricing coverage appropriately to ensure fairness to the consumer and a reasonable return for the insurer. Our solutions apply advanced predictive analytics to our deep reservoir of data and information to quickly and precisely gauge the degree and cost of risk.

Our solutions span a wide range of P&C insurance, encompassing personal and commercial lines of coverage that protect private residences, private and commercial vehicles, and businesses.

We also provide proprietary analytic measures for individual communities to mitigate losses from important perils. Nearly every property insurer in the U.S. uses our evaluations of community firefighting capabilities to help determine premiums for fire insurance throughout the country. We provide field-verified and validated data on the fire protection services for approximately 40,000 fire response jurisdictions. We also offer services to evaluate the effectiveness of community enforcement of building codes and the efforts of communities to mitigate damage from flooding. Further, we provide information on the insurance rating territories, premium taxes, crime risk, and hazards of windstorm, earthquake, wildfire, and other perils. To supplement our data on specific commercial properties and individual communities, we have assembled, from a variety of internal and select third-party sources, information on hazards related to geographic locations representing every postal address in the U.S. Insurers use this information for policy quoting and analyzing risk concentration in geographical areas. We also make our data and analytics available to commercial real estate lenders to allow them to better understand risks associated with properties they lend against. We are a leader in and pioneered the field of probabilistic catastrophe modeling used by insurers, reinsurers, financial institutions, and government to manage their risk from extreme events. Our models, which form the basis of our solutions, enable companies to identify, quantify and plan for the financial consequences of catastrophes. We have developed models for hurricanes, earthquakes, winter storms, tornadoes, hailstorms, and floods in more than 110 countries, as well as pandemics worldwide. We have developed a probabilistic terrorism model capable of quantifying the risk in the U.S. from this evolving threat, which supports pricing and underwriting decisions down to the level of an individual policy, as well as models for estimating losses to crop insurance programs in the U.S., Canada and China. Our newest models offer risk management solutions for the cyber and casualty lines of business.

We have begun to expand our footprint of data and solutions to include both U.S. and international markets.

Claims

Our claims insurance solutions provide our customers analytics in the areas of fraud detection, repair cost estimation, and aerial imagery business, including emerging areas of interest within these categories.

We are a leading provider of fraud-detection tools for the P&C insurance industry. Our anti-fraud solutions improve our customers' profitability by both predicting the likelihood that fraud is occurring and detecting suspicious activity after it has occurred. When a claim is submitted, our system searches our database and returns information about other claims filed by the same individuals or businesses (either as claimants or insurers), that helps our customers determine if fraud has occurred. The system searches for matches in identifying informational fields, such as name, address, Social Security number, vehicle identification number, driver's license number, tax identification number, or other parties to the loss. Our system also includes advanced name and address searching to perform intelligent searches and improve the overall quality of the matches. Information from match reports speeds payment of meritorious claims while providing a defense against fraud and can lead to denial of a claim, negotiation of a reduced award, or further investigation by the insurer or law enforcement.

We have a comprehensive system used by claims adjusters and investigation professionals to process claims and fight fraud. Claims databases are one of the key tools in the fight against insurance fraud. The benefits of a single all-claims database include improved efficiency in reporting data and searching for information, enhanced capabilities for detecting suspicious claims and superior information for investigating fraudulent claims, suspicious individuals, and possible fraud rings. Our database contains information for more than 1.3 billion claims and is the world's largest database of P&C claims information used for claims and investigations. Insurers and other participants submit new claims more than 240,000 a day on average across all categories of the U.S. P&C insurance industry.

We also provide data, analytics, and networking products for professionals involved in estimating all phases of building repair and reconstruction. We provide solutions for every phase of a building's life, including:

quantifying the ultimate cost of repair or reconstruction of damaged or destroyed buildings,
aiding in the settlement of insurance claims, and

7

Table of Contents

tracking the process of repair or reconstruction and facilitating communication among insurers, adjusters, contractors, and policyholders.

To help our customers estimate repair costs, we provide a solution that assists contractors and insurance adjusters in estimating repairs using a patented plan-sketching program. The program allows our customers to sketch floor plans, roof plans and wall-framing plans and automatically calculates material and labor quantities for the construction of walls, floors, footings, and roofs.

We also offer our customers access to wholesale and retail price lists, which include structural repair and restoration pricing for 467 separate economic areas in North America. We revise this information monthly and, in the aftermath of a major disaster, we can update the price lists as often as weekly to reflect rapid price changes. Our structural repair and cleaning database contains approximately 21,000 unit-cost line items. For each line item such as smoke cleaning, water extraction and hazardous cleanup, we report time and material pricing, including labor, labor productivity rates (for new construction and restoration), labor burden and overhead, material costs, and equipment costs. We improve our reported pricing data by several methods including direct market surveys and an analysis of the actual claims experiences of our customers. We estimate that more than 80.0% of insurance repair contractors and service providers in the U.S. and Canada with computerized estimating systems use our building and repair pricing data. Use of such a large percentage of the industry's claims data leads to accurate reporting of pricing information, which we believe is unmatched in the industry.

In addition, we provide an efficient multitier, multispectral terrestrial imagery and data acquisition, processing, analytics, and distribution system. Using the latest remote sensing and machine learning technologies, we gather, store, process, and deliver geographic and spatially referenced information that supports uses in many markets, including insurance, commercial property, energy, banking, architecture, engineering, emergency response, and urban planning. Mapping professionals and firms leverage our data to accurately understand growth and change, determine damage, discover hazards, assess risk, and perform valuations.

We continually pursue new solutions that help our customers keep abreast of changing markets and technology. For example, we provide tools and platforms to help insurers, their customers, and providers of products and services to leverage the growing Internet of Things. This technology connects devices, vehicles, and homes to the Internet and generates valuable data to underwrite, rate, and manage risk while enriching customer relationships. By ingesting, storing, and normalizing this data, Verisk makes it accessible for users to extract business insights at a significantly lower cost and logistical burden than they could achieve on their own.

Energy and Specialized Markets Segment

We are a leading provider of data analytics across the natural resources value chain including the global energy, chemicals, metals, mining, power and renewables sectors. We provide research and consulting services focusing on exploration strategies and screening, asset development and acquisition, commodity markets, and corporate analysis. We offer consultancy in the areas of business environment, business improvement, business strategies, commercial advisory, and transaction support. We deliver analysis and advice on assets, companies, governments, and markets. We provide comprehensive and integrated coverage and analysis of relevant commodities across the interconnected global energy sectors. We continuously gather and manage proprietary information, insight, and analysis on thousands of oil and gas fields, mines, refineries and other assets, as well as detailed assessments of the market fundamentals across each value chain. Our experts analyze the data and work directly with customers to address their business challenges. Our growing customer base includes international and national energy companies, as well as chemicals, metals, mining, power utilities and renewables companies, financial institutions, and governments. We work with a range of diverse teams, from strategy and policy makers, business developers, and market analysts to corporate finance, risk teams and investors.

We provide market and cost intelligence to energy companies to optimize financial results. We combine information, innovative technology, and expert services to produce market intelligence. We aim to help asset-intensive clients achieve operational and financial excellence, increase profitability, and optimize business performance. In addition, our client service team of technical and professionals plays an integral role at a number of energy companies. We have

engineers and supply chain professionals who consult on capital projects. Our team members include experts from the energy industry with hands-on operational experience.

Table of Contents

We help businesses and governments better anticipate and manage climate and weather-related risks. We prepare certain agencies and companies to anticipate, manage, react to, and profit from climate and weather-related risk. We serve our customers by providing state-of-the-art research, development and analysis delivered in reports, databases, and software solutions. We are dedicated to the advancement of scientific understanding of the atmospheric, climate and weather, ocean, and planetary sciences. Through research conducted by our in-house scientific staff, and often in collaboration with world-renowned scientists at academic and other research institutions, we have developed analytical tools to help measure and observe environmental properties and translate those measurements into actionable information.

We also offer a comprehensive suite of data and information services that enable improved compliance with global Environmental Health and Safety, or EH&S, requirements related to the safe manufacturing, distribution, transportation, usage, and disposal of chemicals and products. From the supply chain or solutions life cycle, we deliver a program specific to the EH&S compliance information and management needs of our customers. Our full solutions life cycle and cross-supply chain approach provides a single, integrated solution for managing customers' EH&S capabilities, which results in improved processes and reduced cost, risk, and liability.

Financial Services Segment

We maintain the largest bank account consortia to provide competitive benchmarking, decisioning algorithms, business intelligence, and customized analytic services to financial institutions, payment networks and processors, alternative lenders, regulators and merchants - enabling better strategy, marketing, and risk decisions. Our teams are located across U.S., U.K., Canada, Australia, New Zealand, the United Arab Emirates, Mexico and India, delivering unique products and services to an expanding customer base that values the comprehensiveness of our data and solutions, as well as our full wallet spend view of a consumer. Complimenting this, we leverage our partnerships with processors and credit bureaus, to not only augment the richness of our data, but also to provide expanded solutions across the broad span of consumer banking and retail products. Meanwhile, we offer services and a suite of solutions to satisfy growing customer needs for better forecasting and expense tools, and regulatory-focused solutions. In addition, we provide solutions in the media effectiveness space given the unique nature and strength of our partnerships and through our developing Marketview brand.

Our professionals have substantive industry knowledge about providing solutions to the financial services sector. We are known for our unique ability to blend the highly technical, data-centered aspects of our projects with expert communication and business knowledge. Our solutions enhance our customers' ability to manage their businesses' profitably and position them better to handle present day challenges (competitive, regulatory, and economic). Specifically, we use comprehensive transaction, risk, behavioral, and bureau-sourced account data to assist customers in making better business decisions through analysis and analytical solutions. We maintain a comprehensive and granular direct observation financial services industry database for credit card, debit card, and deposit transactions, as well as merchant and collections transactions.

Our Growth Strategy

Over the past five years, we have grown our revenues at a CAGR of 13.7% through the successful execution of our business plan. Those results reflect strong organic revenue growth, new product development, and acquisitions. We have made, and continue to make, investments in people, data sets, analytic solutions, technology, and complementary businesses. The key components of our strategy include the following:

Increase Solution Penetration with Customers. We expect to expand the application of our solutions in customers' internal processes. Building on our deep knowledge of, and embedded position in, various industries, we expect to sell more solutions to existing customers tailored to individual market segments. By increasing the breadth and relevance of our offerings, we believe that we can strengthen our relationships with customers and increase our value to their decision making in critical ways. We have opportunities to expand solution penetration to our insurance, energy and financial services customers.

Develop New, Proprietary Data Sets and Predictive Analytics. We work with our customers to understand their evolving needs. We plan to create new solutions by enriching our mix of proprietary data sets, analytic solutions and effective decision support across the markets we serve. We constantly seek to add new data sets that can further

leverage our analytic methods, technology platforms and intellectual capital.

Leverage Our Intellectual Capital to Expand into Adjacent Markets and New Customer Sectors. Our organization is built on more than four decades of intellectual property in risk management. We believe we can continue to expand the use of our intellectual capital profitably and apply our analytic methods in new markets where significant opportunities for long-term growth exist. We also continue to pursue growth through targeted international expansion.

9

Table of Contents

We have already demonstrated the effectiveness of this strategy with our expansion into non insurance financial services.

Pursue Strategic Acquisitions that Complement Our Leadership Positions. We will continue to expand our data and analytics capabilities across industries. While we expect this will occur primarily through organic growth, we have acquired and will continue to acquire assets and businesses that strengthen our value proposition to customers. We have developed an internal capability to source, evaluate, and integrate acquisitions that have created value for shareholders.

Our Customers

The customers in our Insurance segment for the lines of P&C services we offer include the top 100 P&C insurance providers in the U.S., as well as insurers in international markets. A substantial majority of P&C insurance providers in the U.S. use our statistical agent services to report to regulators, and the majority of insurers and reinsurers in the U.S. use our actuarial services and industry-standard insurance programs. In addition, certain agencies of the federal government as well as county and state governmental agencies and organizations use our solutions to help satisfy government needs for risk assessment and emergency response information. Furthermore, our claims database serves thousands of customers, representing approximately 90% of the P&C insurance industry by premium volume, 25 state workers' compensation insurance funds, more than 500 self-insurers, approximately 400 third-party administrators, several state fraud bureaus, and many law-enforcement agencies involved in the investigation and prosecution of insurance fraud. We estimate that more than 80% of insurance repair contractors and service providers in the U.S. and Canada with computerized estimating systems use our building and repair cost estimation pricing data.

Our customers within Energy and Specialized Markets segment include 9 of the top 10 global energy providers around the world. We also work with a wide range of companies, governments and institutions across the energy, and metals and mining value chains.

Within the Financial Services segment, our customers include financial institutions, payment networks and processors, alternative lenders, regulators, merchants, and all of the top 30 credit card issuers in North America, the United Kingdom, and Australia.

Our Competitors

We believe that no single competitor currently offers the same scope of services and market coverage we provide. The breadth of markets we serve exposes us to a broad range of competitors as described below. Businesses that we acquire may introduce us to additional competitors.

Our Insurance segment operates primarily in the U.S. P&C insurance industry, where we enjoy a leading market presence. We have a number of competitors in specific lines or services. We encounter competition from a number of sources, including insurers that develop internal technology and actuarial methods for proprietary insurance programs. Competitors also include other statistical agents, such as the National Independent Statistical Service, the Independent Statistical Service, Inc., and other advisory organizations, that provide underwriting rules, prospective loss costs, and coverage language, including the American Association of Insurance Services, Inc. and Mutual Services Organization. However, we believe that none of our competitors have the breadth or depth of data we have. Competitors for our property-specific rating and underwriting information are primarily limited to a number of regional providers of commercial property inspections and surveys, including Overland Solutions, Inc. and Regional Reporting, Inc. We also compete with a variety of organizations that offer consulting services, primarily specialty technology and consulting firms. In addition, a customer may use its own internal resources rather than engage an outside firm for these services. Our competitors also include information technology product and services vendors; management and strategy consulting firms; and smaller specialized information technology and analytical services firms, including Pinnacle Consulting and EMB, a unit of Willis Towers Watson. In the P&C insurance claims market and catastrophe modeling market, certain products are offered by a number of companies, including Risk Management Solutions (catastrophe modeling), CoreLogic (property replacement value), LexisNexis® Risk Solutions (loss histories and motor vehicle records for personal lines underwriting), Solera Holdings, Inc. (personal automobile underwriting), and Symbility. We believe that our P&C insurance industry expertise, and our ability to offer multiple applications, services and integrated solutions to individual customers are competitive strengths.

In the Energy and Specialized Markets segment, certain products are offered by a number of companies, including IHS Markit (natural resources), Rystad Energy (upstream), RS Energy (upstream), Global Data PLC (upstream), PIRA Energy Group (oil and gas markets), and CRU Group (metals) and Bloomberg New Energy Finance (Power & Renewables). We

Table of Contents

believe that our global integrated value chain knowledge and insight, bottom-up proprietary data, and long-term trusted relationships enhance our competitive position in relationship to those companies.

Within the Financial Services segment, our unique datasets and wallet solutions means that we have no direct competitors, and we work closely to create partnerships for mutual clients with organizations such as the card networks and credit bureaus to deepen ongoing relationships and create new value solutions. Our key competitors for our major brands are EverCompliant, WebShield, Trustwave, LegitScript, Lexus Nexis, American Infosource, and Phin Solutions.

Development of New Solutions

We take a market-focused team approach to developing our solutions. Our operating units are responsible for developing, reviewing, and enhancing our various products and services. Our data management and production team designs and manages our processes and systems for market data procurement, proprietary data production, and quality control. Our Joint Development Environment, or JDE, and Enterprise Data Management, or EDM, teams support our efforts to create new information and products from available data and explore new methods of collecting data. EDM is focused on understanding and documenting business unit and corporate data assets and data issues, sharing and combining data assets across the enterprise, creating an enterprise data strategy, facilitating research and product development, and promoting cross-enterprise communication. Our Verisk Innovative Analytics, or VIA, team is a corporate center of excellence for analytical methods in applying modeling techniques to predict risk outcomes. Our software development teams build the technology used in many of our solutions. As part of our product development process, we continually solicit feedback from our customers on the value of our products and services and the market's needs. We have established an extensive system of customer advisory panels that meet regularly throughout the year to help us respond effectively to the needs of our markets. In addition, we use frequent sales calls, executive visits, user group meetings, and other industry forums to gather information to align our product development efforts with the needs of the market. We also use a variety of market research techniques to enhance our understanding of our customers and the markets in which they operate.

We add to our offerings through an active acquisition program. Since 2014, we have acquired 26 businesses, which have allowed us to enter new markets, offer new solutions and enhance the value of existing services with additional proprietary sources of data.

When we find it advantageous, we augment our proprietary data sources and systems by forming alliances with other leading information providers and technology companies and integrating their product offerings into our offerings. This approach gives our customers the opportunity to obtain the information they need from a single source and more easily integrate the information into their workflows.

Sales, Marketing, and Customer Support

We sell our solutions and services primarily through direct interaction with our customers. We employ a three-tier sales structure that includes salespeople, technical consultants, and sales support. Within the company, several areas have sales teams that specialize in specific products and services. Those specialized sales teams sell specific, highly technical solution sets to targeted markets in coordination with account management.

To provide account management to our largest customers in the insurance, energy and financial markets, we divide our customers into three groups. Tier One or "Global/National" Accounts, comprise of our largest customers. Tier Two, or "Strategic" Accounts, represent both large and middle market customer groups. Tier Three is composed of small and specialized companies that may represent one line of business, may be regionally focused, or are recent new entrants into the marketplace. In Tier One and Tier Two segments, we have sales teams organized by the following specialties: Personal or Commercial Lines Underwriting & Pricing, Claims, Catastrophe Risk, and Energy. In the Tier Three segment, we assign a sales generalist with overall account management responsibility. Our tiered approach has proven to be a successful sales model and approach to building customer relationships. Our senior executives regularly engage with the senior management of our customers to ensure customer satisfaction and strategic alignment and to support mutual innovation partnership opportunities.

Sales people participate in both sales and customer-service activities. They provide direct support, interacting frequently with assigned customers to assure a satisfactory experience using our services. Salespeople primarily seek out new sales opportunities and work with the various sales teams to coordinate sales activities and ensure our solutions fit the customer's needs. We believe our salespeople's product knowledge, skills to develop relationships of trust, and local presence differentiate us from our competition. Technical consultants are subject matter experts and work with salespeople on specific opportunities for their assigned products and segments. Both salespeople and technical consultants have responsibility for

Table of Contents

identifying new sales opportunities. A team approach and a common customer relationship management system allow for effective coordination among the groups.

Sources of Our Data

The data we use to perform our analytics and power our solutions is sourced through seven different kinds of data arrangements. First, we gather data from our customers within agreements that also permit our customers to use the solutions created from their data. Those agreements remain in effect unless the data contributor chooses to opt out. It is very rare that contributors elect not to continue providing us data. Second, we have agreements with data contributors in which we specify the particular uses of their data and provide their required levels of privacy, protection of data, and where necessary, de-identification of data. The agreements represent no cost to us, generally feature a specified period of time for the data contributions, and require renewal. Third, we “mine” data found inside the transactions supported by our solutions; as an example, we use the claims settlement data generated inside our repair cost estimating solution to improve the cost factors used in our models. Again, those arrangements represent no cost to us, and we obtain the consent of our customers to make use of their data in this way. Fourth, we source data generally at no cost from public sources, including federal, state, and local governments. Fifth, we gather data about the physical characteristics of commercial properties through the direct observation of our field staff members, who also perform property surveys at the request of, and facilitated by, property insurers. Sixth, we independently collect data on geographic and spatially referenced information relating to residential and commercial structures by using the latest remote sensing and machine learning technologies. Lastly, we purchase data from data aggregators under contracts that reflect prevailing market pricing for the data elements purchased, including county tax assessor records, descriptions of hazards such as flood plains and professional licenses. We are the owners of the derivative solutions we create using the data we collect.

Information Technology

Technology

Our information technology systems and the more recent adoption of cloud computing are fundamental to our success. They are used for the storage, processing, access, and delivery of the data that forms the foundation of our business and the development and delivery of the solutions we provide to our customers. Much of the technology we use and provide to our customers is developed, maintained, and supported by approximately 20% of our employee population. We generally own, or have secured ongoing rights to use for the purposes of our business, all the customer-facing applications that are material to our operations. We support and implement a mix of technologies and focus on implementing the most efficient technology for any given business requirement or task.

Data Centers

We have two primary data centers in Somerset, New Jersey and Lehi, Utah, creating redundancy and back up capabilities. In addition, we have data centers located in other states dedicated to certain business units.

Disaster Recovery

We are committed to a framework for business continuity management and carry out annual reviews of the state of preparedness of each business unit. All of our critical databases, systems and contracted customer services are also regularly recovered. We also have documented disaster recovery plans in place for each of our major data centers and each of our solutions. The data center in Somerset, New Jersey is the recovery site for the Lehi, Utah data center and vice versa.

Security

We have adopted a wide range of measures to ensure the security of our IT infrastructure and data. Security measures generally cover the following key areas: physical security, logical security of the perimeter, network security such as firewalls, logical access to the operating systems, deployment of virus detection software, and appropriate policies and procedures relating to removable media such as laptops. All laptops are encrypted, and media leaving our premises and sent to third-party storage facilities are also encrypted. Our commitment to security has earned CyberTrust Security Certification (an industry leader in information security certification) since 2002.

Intellectual Property

We own a significant number of intellectual property rights, including copyrights, trademarks, trade secrets, and patents. Specifically, our policy language, insurance manuals, software, and databases are protected by both registered

and common law copyrights and the licensing of those materials to our customers for their use represents a large portion of our revenue. We also own in excess of 500 trademarks in the U.S. and foreign countries, including the names of our products and

12

Table of Contents

services and our logos and tag lines, many of which are registered. We believe many of our trademarks, trade names, service marks, and logos to be of material importance to our business, as they assist our customers in identifying our products and services and the quality that stands behind them. We consider our intellectual property to be proprietary, and we rely on a combination of statutory (for example, copyright, trademark, trade secret, and patent) and contractual safeguards in a comprehensive intellectual property enforcement program to protect it wherever it is used.

We also own several patents and have several pending patent applications in the U.S. that complement our products. The patents and patent applications include claims, that pertain to technology, including a patent for our Liability Navigator™ product. We believe the protection of our proprietary technology is important to our success and we will continue to seek to protect those intellectual property assets for which we have expended substantial research and development capital and that are material to our business.

To maintain control of our intellectual property, we enter into contractual agreements with our customers, granting each customer permission to use our products and services, including our software and databases. This helps maintain the integrity of our proprietary intellectual property and to protect the embedded information and technology contained in our solutions. As a general practice, employees, contractors and other parties with access to our proprietary information sign agreements that prohibit the unauthorized use or disclosure of our proprietary rights, information and technology.

Employees

As of December 31, 2018, we employed 7,951 full-time and 233 part-time employees. None of our employees are represented by unions. We consider our relationship with our employees to be good and have not experienced interruptions of operations due to labor disagreements.

Our employees include more than 200 actuarial professionals, including 35 Fellows and 39 Associates of the Casualty Actuarial Society as well as 130 Chartered Property Casualty Underwriters, 14 Certified and 17 Associate Insurance Data Managers, and more than 1,000 professionals with advanced degrees, including PhDs in mathematics and statistical modeling who review both the data and the models.

Regulation

Because our business involves the distribution of certain personal, public, and non-public data to businesses and governmental entities that make eligibility, service, and marketing decisions based on such data, certain of our solutions and services are subject to regulation under federal, state, and local laws in the U.S., and to a lesser extent, in foreign countries. Examples of such regulation include the Fair Credit Reporting Act, which regulates the use of consumer credit report information; the Gramm-Leach-Bliley Act, which regulates the use of non public personal financial information held by financial institutions and applies indirectly to companies that provide services to financial institutions; the Drivers Privacy Protection Act, which prohibits the public disclosure, use or resale by any state's department of motor vehicles of personal information about an individual that was obtained by the department in connection with a motor vehicle record, except for a "permissible purpose", and various other federal, state, and local laws and regulations.

Those laws generally restrict the use and disclosure of personal information and provide consumers certain rights to know the manner in which their personal information is being used, to challenge the accuracy of such information and/or to prevent the use and disclosure of such information. In certain instances, the laws also impose requirements for safeguarding personal information through the issuance of data security standards or guidelines. Certain state laws impose similar privacy obligations as well as obligations to provide notification of security breaches in certain circumstances.

We are also licensed as a rating, rate service, advisory, or statistical organization under state insurance codes in all 50 states, Puerto Rico, Guam, the U.S. Virgin Islands, and the District of Columbia. As such an advisory organization, we provide statistical, actuarial, policy language development, and related products and services to P&C insurers, including advisory prospective loss costs, other prospective cost information, manual rules, and policy language. We also serve as an officially designated statistical agent of state insurance regulators to collect policy writing and loss statistics of individual insurers and compile that information into reports used by the regulators.

Many of our products, services and operations as well as insurers' use of our services are subject to state rather than federal regulation by virtue of the McCarran-Ferguson Act. As a result, many of our operations and products are

subject to review and/or approval by state regulators. Furthermore, our operations involving licensed advisory organization activities are subject to periodic examinations conducted by state regulators, and our operations and products are subject to state antitrust and trade practice statutes within or outside state insurance codes, which are typically enforced by state attorneys general and/or insurance regulators.

Table of Contents

Available Information

We maintain an Investor Relations website on the Internet at investor.verisk.com. We make available free of charge on or through this website, our annual, quarterly, and current reports and any amendments to those reports as soon as reasonably practicable following the time they are electronically filed with or furnished to the U.S. Securities and Exchange Commission, or SEC. For access to the filings, click the "SEC Filings" link on the "Financial Information" tab on our Investor Relations homepage. The contents of our website are not incorporated into this filing. Verisk trades on the NASDAQ Global Market in the Nasdaq Global Select Market segment under the ticker symbol "VRSK." Our stock was first publicly traded on October 7, 2009.

The public may read any materials filed by Verisk with the SEC on the SEC's Internet site (www.sec.gov), which contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC.

Table of Contents

Item 1A. Risk Factors

You should carefully consider the following risks and all of the other information set forth in this annual report on Form 10-K before deciding to invest in any of our securities. If any of the following risks actually occurs, our business, financial condition or results of operations would likely suffer. In such case, the trading price of our securities, including our common stock, could decline due to any of these risks, and you may lose all or part of your investment.

We could lose our access to data from external sources, which could prevent us from providing our solutions. We depend upon data from external sources, including data received from customers and various government, and public record services, for information used in our databases. In general, we do not own the information in these databases, and the participating organizations could discontinue contributing information to the databases. Our data sources could withdraw or increase the price for their data for a variety of reasons, and we could also become subject to legislative, judicial, or contractual restrictions on the use of such data, in particular if such data is not collected by the third parties in a way that allows us to legally use and/or process the data. In addition, some of our customers are significant stockholders of our company. Specifically, a portion of common stock is owned by insurers who are also our customers. If our customers' percentage of ownership of our common stock decreases in the future, there can be no assurance that our customers will continue to provide data to the same extent or on the same terms. If a substantial number of data sources, or certain key sources, were to withdraw or be unable to provide their data, or if we were to lose access to data due to government regulation or if the collection of data became uneconomical, our ability to provide solutions to our customers could be impacted, which could materially adversely affect our business, reputation, financial condition, operating results, and cash flows.

Agreements with our data suppliers are short-term agreements. Some suppliers are also competitors, which may make us vulnerable to unpredictable price increases and may cause some suppliers not to renew certain agreements. Our competitors could also enter into exclusive contracts with our data sources. If our competitors enter into such exclusive contracts, we may be precluded from receiving certain data from these suppliers or restricted in our use of such data, which would give our competitors an advantage. Such a termination or exclusive contracts could have a material adverse effect on our business, financial position, and operating results if we were unable to arrange for substitute data sources.

Fraudulent or unpermitted data access and other cyber-security or privacy breaches may negatively impact our business and harm our reputation.

Security breaches in our facilities, computer networks, and databases may cause harm to our business and reputation and result in a loss of customers. Many of our solutions involve the storage and transmission of proprietary information and sensitive or confidential data. As with other global companies, our systems are regularly subject to cyber-attacks, cyber-threats, physical break-ins, computer viruses, attacks by hackers and similar disruptive problems. As cyber-threats continue to evolve, we are required to expend significant additional resources to continue to modify and enhance our protective measures and to investigate and remediate any information security vulnerabilities and incidents. Despite efforts to ensure the integrity of our systems and implement controls, processes, policies and other protective measures, we may not be able to anticipate or detect all security breaches, nor may we be able to implement guaranteed preventive measures against such security breaches. Cyber-threats are rapidly evolving and we may not be able to anticipate, prevent or detect all such attacks and could be held liable for any security breach or loss. Although we may incur significant costs in protecting against or remediating cyberattacks or other cyber-incidents, no cyber-attack or other cyber-incident has, to our knowledge, had a material adverse effect on our business, financial condition or results of operations to date.

Third-party contractors, including cloud-based service providers, also may experience security breaches involving the storage and transmission of proprietary information. If users gain improper access to our databases, they may be able to steal, publish, delete or modify confidential third-party information that is stored or transmitted on our networks. Our business relies on the secure processing, transmission, storage and retrieval of confidential, proprietary and other information in our computer and data management systems and networks, and in the computer and data management systems and networks of third parties. In addition, to access our network, products and services, our customers and other third parties may use personal mobile devices or computing devices that are outside of our network environment

and are subject to their own cybersecurity risks.

In addition, customers', employees' or other's misuse of and/or gaining unpermitted access to or failure to properly secure our information or services could cause harm to our business and reputation and result in loss of customers.

Any such misappropriation and/or misuse of or failure to properly secure our information could result in us, among other things, being in breach of certain data protection and related legislation.

15

Table of Contents

A security or privacy breach may affect us in the following ways:

- deterring customers from using our solutions;
- deterring data suppliers from supplying data to us;
- harming our reputation;
- exposing us to liability;
- increasing operating expenses to correct problems caused by the breach;
- affecting our ability to meet customers' expectations; and/or
- causing inquiry from governmental authorities.

Incidents in which consumer data has been fraudulently or improperly acquired or viewed, or any other security or privacy breaches, may occur and could go undetected. The number of potentially affected consumers identified by any future incidents is obviously unknown. Any such incident could materially adversely affect our business, reputation, financial condition, operating results and cash flows. In addition, media or other reports of perceived security vulnerabilities to our systems or those of our third-party suppliers, even if no breach has been attempted or occurred, could also adversely impact our reputation and materially impact our business.

We derive a substantial portion of our revenues from U.S. P&C primary insurers. If there is a downturn in the U.S. insurance industry or that industry does not continue to accept our solutions, our revenues will decline.

Revenues derived from solutions we provide to U.S. P&C primary insurers account for a substantial portion of our total revenues. During the year ended December 31, 2018, approximately 47% of our revenue was derived from solutions provided to U.S. P&C primary insurers. Also, invoices for certain of our solutions are linked in part to premiums in the U.S. P&C insurance market, which may rise or fall in any given year due to loss experience and capital capacity and other factors in the insurance industry that are beyond our control. In addition, our revenues will decline if the insurance industry does not continue to accept our solutions.

Factors that might affect the acceptance of these solutions by P&C primary insurers include the following:

- changes in the business analytics industry,
- changes in technology,
- our inability to obtain or use state fee schedule or claims data in our insurance solutions,
- saturation of market demand,
- loss of key customers,
- industry consolidation, and
- failure to execute our customer-focused selling approach.

A downturn in the insurance industry, pricing pressure or lower acceptance of our solutions by the insurance industry could result in a decline in revenues from that industry and have a material adverse effect on our financial condition, results of operations and cash flows.

Acquisitions could result in operating difficulties, dilution and other harmful consequences, and we may not be successful in achieving growth through acquisitions.

Our long-term business strategy includes growth through acquisitions. Future acquisitions may not be completed on acceptable terms and acquired assets, data or businesses may not be successfully integrated into our operations, and we may ultimately divest unsuccessful investments. Any acquisitions or investments will be accompanied by the risks commonly encountered in the acquisitions of businesses. Such risks include, among other things:

- failing to implement or remediate controls, procedures and policies appropriate for a larger public company at acquired companies that prior to the acquisition lacked such controls, procedures and policies,

Table of Contents

paying more than fair market value for an acquired company or assets,
failing to integrate the operations and personnel of the acquired businesses in an efficient, timely manner,
assuming potential liabilities of an acquired company,
managing the potential disruption to our ongoing business,
distracting management focus from our core businesses,
failing to retain management at the acquired company,
difficulty in acquiring suitable businesses, including challenges in predicting the value an acquisition will ultimately contribute to our business,
possibility of overpaying for acquisitions, particularly those with significant intangible assets that derive value using novel tools and/or are involved in niche markets,
impairing relationships with employees, customers, and strategic partners,
incurring expenses associated with the amortization of intangible assets particularly for intellectual property and other intangible assets,
incurring expenses associated with an impairment of all or a portion of goodwill and other intangible assets due to changes in market conditions, weak economies in certain competitive markets, or the failure of certain acquisitions to realize expected benefits, and
diluting the share value and voting power of existing stockholders.

The anticipated benefits of many of our acquisitions may not materialize. Future acquisitions or dispositions could result in the incurrence of debt, contingent liabilities or amortization expenses, or write-offs of goodwill and other intangible assets, any of which could harm our financial condition.

We typically fund our acquisitions through our debt facilities. Although we have capacity under committed facilities, those may not be sufficient. Therefore, future acquisitions may require us to obtain additional financing through debt or equity, which may not be available on favorable terms or at all and could result in dilution.

In addition, to the extent we cannot identify or consummate, on terms acceptable to us, acquisitions that are complementary or otherwise attractive to our business, we may experience difficulty in achieving future growth. There may be consolidation in our end customer market, which could reduce the use of our services.

Mergers or consolidations among our customers could reduce the number of our customers and potential customers. This could adversely affect our revenues even if these events do not reduce the aggregate number of customers or the activities of the consolidated entities. If our customers merge with or are acquired by other entities that are not our customers, or that use fewer of our services, they may discontinue or reduce their use of our services. The adverse effects of consolidation will be greater in sectors that we are particularly dependent upon, for example, in the P&C insurance sector. Any of these developments could materially adversely affect our business, financial condition, operating results, and cash flows.

If we are unable to develop successful new solutions or if we experience defects, failures and delays associated with the introduction of new solutions, our business could suffer serious harm.

Our growth and success depends upon our ability to develop and sell new solutions. If we are unable to develop new solutions, or if we are not successful in introducing and/or obtaining regulatory approval or acceptance for new solutions, or products we develop face sufficient pricing pressure to make them unattractive to pursue, we may not be able to grow our business, or growth may occur more slowly than we anticipate. In addition, significant undetected errors or delays in new solutions may affect market acceptance of our solutions and could harm our business, financial condition or results of operations. In the past, we have experienced delays while developing and introducing new solutions, primarily due to difficulties in developing models, acquiring data and adapting to particular operating environments. Errors or defects in our solutions that are significant, or are perceived to be significant, could result in rejection of our solutions, damage to our reputation, loss of revenues, diversion of development resources, an increase in product liability claims, and increases in service and support costs and warranty claims.

Table of Contents

We will continue to rely upon proprietary technology rights, and if we are unable to protect them, our business could be harmed.

Our success depends, in part, upon our intellectual property rights. To date, we have relied primarily on a combination of copyright, patent, trade secret, and trademark laws and nondisclosure and other contractual restrictions on copying and distribution to protect our proprietary technology. This protection of our proprietary technology is limited, and our proprietary technology could be used by others without our consent. In addition, patents may not be issued with respect to our pending or future patent applications, and our patents may not be upheld as valid or may not prevent the development of competitive products. Businesses we acquire also often involve intellectual property portfolios, which increase the challenges we face in protecting our strategic advantage. Any disclosure, loss, invalidity of, or failure to protect our intellectual property could negatively impact our competitive position, and ultimately, our business. Our protection of our intellectual property rights in the U.S. or abroad may not be adequate and others, including our competitors, may use our proprietary technology without our consent. Furthermore, litigation may be necessary to enforce our intellectual property rights, to protect our trade secrets, or to determine the validity and scope of the proprietary rights of others. Such litigation could result in substantial costs and diversion of resources and could harm our business, financial condition, results of operations, and cash flows.

We could face claims for intellectual property infringement, which if successful could restrict us from using and providing our technologies and solutions to our customers.

There has been substantial litigation and other proceedings, particularly in the U.S., regarding patent and other intellectual property rights in the information technology industry. There is a risk that we are infringing, or may in the future infringe, the intellectual property rights of third parties. We have, from time-to-time, been subject to litigation alleging intellectual property infringement. We monitor third-party patents and patent applications that may be relevant to our technologies and solutions and we carry out freedom to operate analysis where we deem appropriate. However, such monitoring and analysis has not been, and is unlikely in the future to be, comprehensive, and it may not be possible to detect all potentially relevant patents and patent applications. Since the patent application process can take several years to complete, there may be currently pending applications, unknown to us, that may later result in issued patents that cover our products and technologies. As a result, we may infringe existing and future third-party patents of which we are not aware. As we expand our operations there is a higher risk that such activity could infringe the intellectual property rights of third parties.

Third-party intellectual property infringement claims and any resultant litigation against us or our technology partners or providers, could subject us to liability for damages, restrict us from using and providing our technologies and solutions or operating our business generally, or require changes to be made to our technologies and solutions. Even if we prevail, litigation is time consuming and expensive to defend and would result in the diversion of management's time and attention.

If a successful claim of infringement is brought against us and we fail to develop non-infringing technologies and solutions or to obtain licenses on a timely and cost effective basis, this could materially adversely affect our business, reputation, financial condition, operating results, and cash flows.

Regulatory developments could negatively impact our business.

Because personal, public and non-public information is stored in some of our databases, we are vulnerable to government regulation and adverse publicity concerning the use of our data. We provide many types of data and services that already are subject to regulation under the Fair Credit Reporting Act, Gramm-Leach-Bliley Act, Driver's Privacy Protection Act, the European Union's General Data Protection Regulation, the Dodd Frank Wall Street Reform and Consumer Protection Act and to a lesser extent, various other federal, state, and local laws and regulations. These laws and regulations are designed to protect the privacy of the public and to prevent the misuse of personal information in the marketplace. However, many consumer advocates, privacy advocates, and government regulators believe that the existing laws and regulations do not adequately protect privacy. They have become increasingly concerned with the use of personal information, particularly social security numbers, department of motor vehicle data and dates of birth. As a result, they are lobbying for further restrictions on the dissemination or commercial use of personal information to the public and private sectors. Similar initiatives are under way in other countries in which we do business or from which we source data. The Company has implemented various measures to comply with the data

privacy and protection principles of the European Union's General Data Protection Regulation, however, there can be no assurances that such methods will be deemed fully compliant. If the Company is unable to comply with the data privacy and protection principles adopted pursuant to the General Data Protection Regulation, it will impede our ability to conduct business between the U.S. and the E.U. which could have a material adverse effect on our business, financial position, results of operations or cash flows.

The following legal and regulatory developments also could have a material adverse effect on our business, financial position, results of operations or cash flows:

Table of Contents

- amendment, enactment, or interpretation of laws and regulations which restrict the access and use of personal information and reduce the supply of data available to customers;
- changes in cultural and consumer attitudes to favor further restrictions on information collection and sharing, which may lead to regulations that prevent full utilization of our solutions;

- failure of our solutions to comply with current laws and regulations;
- and

failure of our solutions to adapt to changes in the regulatory environment in an efficient, cost-effective manner.

We typically face a long selling cycle to secure new contracts that require significant resource commitments, which result in a long lead time before we receive revenues from new relationships.

We typically face a long selling cycle to secure a new contract and there is generally a long preparation period in order to commence providing the services. We typically incur significant business development expenses during the selling cycle and we may not succeed in winning a new customer's business, in which case we receive no revenues and may receive no reimbursement for such expenses. Even if we succeed in developing a relationship with a potential new customer, we may not be successful in obtaining contractual commitments after the selling cycle or in maintaining contractual commitments after the implementation cycle, which may have a material adverse effect on our business, results of operations and financial condition.

We may lose key business assets, through the loss of data center capacity or the interruption of telecommunications links, the internet, or power sources, which could significantly impede our ability to do business.

Our operations depend on our ability, as well as that of third-party service providers to whom we have outsourced several critical functions, to protect data centers, whether in cloud or dedicated environments, and related technology against damage from hardware failure, fire, flood, power loss, telecommunications failure, impacts of terrorism, breaches in security (such as the actions of computer hackers), natural disasters, or other disasters. Certain of our facilities are located in areas that could be impacted by coastal flooding, earthquakes or other disasters. The online services we provide are dependent on links to telecommunications providers. In addition, we generate a significant amount of our revenues through telesales centers and websites that we utilize in the acquisition of new customers, fulfillment of solutions and services and responding to customer inquiries. We may not have sufficient redundant operations to cover a loss or failure in all of these areas in a timely manner. Certain of our customer contracts provide that our online servers may not be unavailable for specified periods of time. Any damage to our or our third-party service provider's data centers, failure of our telecommunications links or inability to access these telesales centers or websites could cause interruptions in operations that materially adversely affect our ability to meet customers' requirements, resulting in decreased revenue, operating income and earnings per share.

We are subject to competition in many of the markets in which we operate and we may not be able to compete effectively.

Some markets in which we operate or which we believe may provide growth opportunities for us are highly competitive, and are expected to remain highly competitive. We compete on the basis of quality, customer service, product and service selection, and pricing. Our competitive position in various market segments depends upon the relative strength of competitors in the segment and the resources devoted to competing in that segment. Due to their size, certain competitors may be able to allocate greater resources to a particular market segment than we can. As a result, these competitors may be in a better position to anticipate and respond to changing customer preferences, emerging technologies and market trends. In addition, new competitors and alliances may emerge to take market share away, and as we enter into new lines of business, due to acquisition or otherwise, we face competition from new players with different competitive dynamics. We may be unable to maintain our competitive position in our market segments, especially against larger competitors. We may also invest further to upgrade our systems in order to compete. If we fail to successfully compete, our business, financial position and results of operations may be adversely affected.

To the extent the availability of free or relatively inexpensive information increases, the demand for some of our solutions may decrease.

Public sources of free or relatively inexpensive information have become increasingly available recently, particularly through the Internet, and this trend is expected to continue. Governmental agencies in particular have increased the

amount of information to which they provide free public access. Public sources of free or relatively inexpensive information may reduce the demand for our solutions. To the extent that customers choose not to obtain solutions from us and instead rely on information obtained at little or no cost from these public sources, our business and results of operations may be adversely affected.

Table of Contents

Our financial position may be impacted by audit examinations or changes in tax laws or tax rulings. Our existing corporate structure and tax positions have been implemented in a manner in which we believe is compliant with current prevailing tax laws. However, changes in existing tax laws or rulings, including Federal, State and International, could have a significant impact on our effective tax rate, cash tax positions and deferred tax assets and liabilities. Audit examinations with an adverse outcome could have a negative effect in the jurisdictions in which we operate. Furthermore, the Organization for Economic Co-operation and Development (OECD) released its Base Erosion and Profit Shifting (BEPS) action plans which may also lead to future tax reform that could affect our results. In addition, our tax positions are impacted by fluctuations in our earnings and financial results in the various countries in which we do business.

Our senior leadership team is critical to our continued success and the loss of such personnel could harm our business. Our future success substantially depends on the continued service and performance of the members of our senior leadership team. These personnel possess business and technical capabilities that are difficult to replace.

However, as a general practice we do not enter into employee contracts with the members of our senior management operating team, except for certain limited situations. If we lose key members of our senior management operating team, we may not be able to effectively manage our current operations or meet ongoing and future business challenges, and this may have a material adverse effect on our business, results of operations and financial condition. We may fail to attract and retain enough qualified employees to support our operations, which could have an adverse effect on our ability to expand our business and service our customers.

Our business relies on large numbers of skilled employees and our success depends on our ability to attract, train and retain a sufficient number of qualified employees. If our attrition rate increases, our operating efficiency and productivity may decrease. We compete for employees not only with other companies in our industry, but also with companies in other industries, such as software services, engineering services and financial services companies, and there is a limited pool of employees who have the skills and training needed to do our work.

If our business continues to grow, the number of people we will need to hire will increase. We will also need to increase our hiring if we are not able to maintain our attrition rate through our current recruiting and retention policies. Increased competition for employees could have an adverse effect on our ability to expand our business and service our customers, as well as cause us to incur greater personnel expenses and training costs.

We are subject to antitrust, consumer protection and other litigation, and may in the future become further subject to such litigation; an adverse outcome in such litigation could have a material adverse effect on our financial condition, revenues and profitability.

We participate in businesses (particularly insurance-related businesses and services) that are subject to substantial litigation, including antitrust and consumer protection litigation. In addition, our insurance specialists are in the business of providing advice on standard contract terms, which if challenged could expose us to substantial reputational harm and possible liability. We are subject to the provisions of a 1995 settlement agreement in an antitrust lawsuit brought by various state Attorneys General and private plaintiffs, which imposes certain constraints with respect to insurer involvement in our governance and business. We currently are defending against putative class action lawsuits in which it is alleged that certain of our subsidiaries unlawfully have conspired with insurers with respect to their payment of insurance claims. See “Item 3. Legal Proceedings.” Our failure to successfully defend or settle any litigation could result in liability that, to the extent not covered by our insurance, could have a material adverse effect on our financial condition, revenues and profitability. Given the nature of our business, we may be subject to litigation in the future. Even if the direct financial impact of such litigation is not material, settlements or judgments arising out of such litigation could include further restrictions on our ability to conduct business, including potentially the elimination of entire lines of business, which could increase our cost of doing business and limit our prospects for future growth.

General economic, political and market forces and dislocations beyond our control could reduce demand for our solutions and harm our business.

The demand for our solutions may be impacted by domestic and international factors that are beyond our control, including macroeconomic, political and market conditions, the availability of short-term and long-term funding and capital, the level and volatility of interest rates, currency exchange rates, and inflation. Any one or more of these

factors may contribute to reduced activity and prices in the securities markets generally and could result in a reduction in demand for our solutions, which could have an adverse effect on our results of operations and financial condition. A significant additional decline in the

20

Table of Contents

value of assets for which risk is transferred in market transactions could have an adverse impact on the demand for our solutions.

We may incur substantial additional indebtedness in connection with future acquisitions.

In order to finance acquisitions, which are an important part of our long term growth strategy, we may incur substantial additional indebtedness and such increased leverage could adversely affect our business. In particular, the increased leverage could increase our vulnerability to sustained, adverse macroeconomic weakness, limit our ability to obtain further financing and limit our ability to pursue other operational and strategic opportunities. The increased leverage, potential lack of access to financing and increased expenses could have a material adverse effect on our financial condition, results of operations and cash flows.

General economic uncertainties, including downward trends in the energy industry, could reduce demand by Wood Mackenzie's customers for its products and services.

Demand for Wood Mackenzie's products and services may be negatively influenced by general economic uncertainties, particularly any downward trends in the energy industry. Many factors could negatively affect the revenues, profits and discretionary spending of Wood Mackenzie's customers. Such factors include commodity prices (in particular, oil and coal), the state of the local economy, interest rates, currency exchange rates, political uncertainty or restrictions and regulations, the availability of industry resources, and other matters. A downturn or perceived downturn in the economy, particularly the energy industry, could add pricing pressure, delay subscription renewals or lead to more challenging or protracted fee negotiations or generally lower acceptance of our solutions by Wood Mackenzie's customers, which could cause a decline in our revenues and have a material adverse effect on our financial condition, results of operations and cash flows.

Our operations are subject to additional risks inherent in international operations.

Wood Mackenzie is based in the United Kingdom, or U.K., and conducts its principal operations outside the U.S. As a result, the percentage of our revenues generated outside of the U.S. has increased materially. Conducting extensive international operations subjects us to risks that are inherent in international operations, including challenges posed by different pricing environments and different forms of competition; lack of familiarity and burdens of complying with foreign laws, legal standards, regulatory requirements, tariffs and other barriers; unexpected changes in regulatory requirements, taxes, trade laws, tariffs, export quotas, custom duties, or other trade restrictions; differing technology standards; difficulties in collecting accounts receivable; difficulties in managing and staffing international operations; varying expectations as to employee standards; potentially adverse tax consequences, including possible restrictions on the repatriation of earnings; and reduced or varied protection for intellectual property rights in some countries. Moreover, international operations could be interrupted and negatively affected by economic changes, geopolitical regional conflicts, terrorist activity, political unrest, civil strife, acts of war, and other economic or political uncertainties. All of these risks could result in increased costs or decreased revenues, either of which could have a material adverse effect on our financial condition, results of operations and cash flows.

We are subject to the increased risk of exchange rate fluctuations.

The revenues and costs of Wood Mackenzie are primarily denominated in pound sterling. As a result of our acquisition of Wood Mackenzie and other recent acquisitions outside of the U.S., we face greater exposure to movements in currency exchange rates, which may cause our revenue and operating results to differ materially from expectations. Our operating results could be negatively affected depending on the amount of revenue and expense denominated in foreign currencies. As exchange rates vary, revenue, cost of revenue, operating expenses, and other operating results, when remeasured in U.S. dollars, may differ materially from expectations. Although we may apply certain strategies to mitigate foreign currency risk, these strategies may not eliminate our exposure to foreign exchange rate fluctuations and would involve costs and risks of their own, such as ongoing management time and expertise, external costs to implement the strategies and potential accounting implications.

Economic and political instability and potential unfavorable changes in laws and regulations resulting from the U.K.'s exit from the E.U. could adversely affect our financial condition, results of operations and cash flows.

The results of the referendum on June 23, 2016 in the U.K., to exit the E.U., which is commonly referred to as "Brexit," and to potentially significantly change the U.K.'s relationship with the E.U. and the laws and regulations impacting business conducted between the U.K. and E.U. countries could disrupt the overall stability of the E.U. given the

diverse economic and political circumstances of individual E.U. countries and negatively impact our European operations. An immediate consequence of the Brexit vote was an adverse impact to global markets, including currency markets which experienced a sharp drop in the value of the British pound. Longer term, the ongoing negotiations regarding the future terms of the U.K.'s relationship with the E.U. could result in the U.K. losing access to certain aspects of the single E.U. market and the global trade deals negotiated by the E.U. on behalf of its members. While the U.K. is currently expected to leave the E.U. on

Table of Contents

March 29, 2019, uncertainty remains as to the exact timing and process. The Brexit vote and the perceptions as to the impact of the withdrawal of the U.K. may adversely affect business activity, political stability and economic conditions in the U.K., the E.U. and elsewhere, the impact of which could have an adverse effect our financial condition, results of operations and cash flows.

If there are substantial sales of our common stock, our stock price could decline.

The market price of our common stock could decline as a result of sales of a large number of shares of our common stock in the market, or the perception that these sales could occur. These sales, or the possibility that these sales may occur, also might make it more difficult for us to sell equity securities in the future at a time and at a price that we deem attractive. As of December 31, 2018, our ten largest shareholders owned 41.2% of our common stock, including 3.9% of our common stock owned by our Employee Stock Ownership Plan or ESOP. Such stockholders are able to sell their common stock in the public market from time to time without registration, and subject to limitations on the timing, amount and method of those sales imposed by securities laws. If any of these stockholders were to sell a large number of their common stock, the market price of our common stock could decline significantly. In addition, the perception in the public markets that sales by them might occur could also adversely affect the market price of our common stock.

Pursuant to our equity incentive plans, options to purchase approximately 6,730,288 shares of common stock were outstanding as of February 15, 2019. We filed a registration statement under the Securities Act, which covers the shares available for issuance under our equity incentive plans (including for such outstanding options) as well as shares held for resale by our existing stockholders that were previously issued under our equity incentive plans. Such further issuance and resale of our common stock could cause the price of our common stock to decline.

Also, in the future, we may issue our securities in connection with investments and acquisitions. The amount of our common stock issued in connection with an investment or acquisition could constitute a material portion of our then outstanding common stock.

Our capital structure, level of indebtedness and the terms of anti-takeover provisions under Delaware law and in our amended and restated certificate of incorporation and bylaws could diminish the value of our common stock and could make a merger, tender offer or proxy contest difficult or could impede an attempt to replace or remove our directors. We are a Delaware corporation and the anti-takeover provisions of the Delaware General Corporation Law may discourage, delay or prevent a change in control by prohibiting us from engaging in a business combination with an interested stockholder for a period of three years after the person becomes an interested stockholder, even if a change of control would be beneficial to our existing stockholders. In addition, our certificate of incorporation and bylaws may discourage, delay or prevent a change in our management or control over us that stockholders may consider favorable or make it more difficult for stockholders to replace directors even if stockholders consider it beneficial to do so. Our certificate of incorporation and bylaws:

- authorize the issuance of “blank check” preferred stock that could be issued by our board of directors to increase the number of outstanding shares to thwart a takeover attempt,
- prohibit cumulative voting in the election of directors, which would otherwise allow holders of less than a majority of the stock to elect some directors,
- require that vacancies on the board of directors, including newly-created directorships, be filled only by a majority vote of directors then in office,
- limit who may call special meetings of stockholders,
- prohibit stockholder action by written consent, requiring all stockholder actions to be taken at a meeting of the stockholders, and
- establish advance notice requirements for nominating candidates for election to the board of directors or for proposing matters that can be acted upon by stockholders at stockholder meetings.

In addition, Section 203 of the Delaware General Corporation Law may inhibit potential acquisition bids for us. As a public company, we are subject to Section 203, which regulates corporate acquisitions and limits the ability of a holder of 15.0% or more of our stock from acquiring the rest of our stock. Under Delaware law, a corporation may opt out of the anti-takeover provisions, but we do not intend to do so.

Table of Contents

These provisions may prevent a stockholder from receiving the benefit from any premium over the market price of our common stock offered by a bidder in a potential takeover. Even in the absence of an attempt to effect a change in management or a takeover attempt, these provisions may adversely affect the prevailing market price of our common stock if they are viewed as discouraging takeover attempts in the future.

Item 1B. Unresolved Staff Comments

Not Applicable.

Item 2. Properties

Our headquarters are in Jersey City, New Jersey. As of December 31, 2018, our principal offices consisted of the following properties:

Location	Square Feet	Lease Expiration Date
Jersey City, New Jersey	352,765	December 31, 2033
Lehi, Utah	200,000	January 31, 2024
Boston, Massachusetts	69,806	November 30, 2020
White Plains, New York	63,461	September 29, 2021
Houston, Texas	56,584	April 30, 2023

We also lease offices in 24 states in the U.S., and offices outside the U.S. to support our international operations in Argentina, Australia, Bahrain, Brazil, Canada, China, Denmark, Germany, India, Indonesia, Ireland, Israel, Japan, Kazakhstan, Malaysia, Mexico, Nepal, New Zealand, Nigeria, Russia, Singapore, South Africa, South Korea, Spain, Thailand, the United Arab Emirates, and the U.K.

We believe that our properties are in good operating condition and adequately serve our current business operations. We also anticipate that suitable additional or alternative space, including those under lease options, will be available at commercially reasonable terms for future expansion.

Item 3. Legal Proceedings

We are party to legal proceedings with respect to a variety of matters in the ordinary course of business, including those matters described below. With respect to the ongoing matters, we are unable, at the present time, to determine the ultimate resolution of or provide a reasonable estimate of the range of possible loss attributable to these matters or the impact they may have on our results of operations, financial position or cash flows. This is primarily because the matters are generally in early stages and discovery has either not commenced or been completed. Although we believe we have strong defenses and intend to vigorously defend these matters, we could in the future incur judgments or enter into settlements of claims that could have a material adverse effect on our results of operations, financial position or cash flows.

Table of Contents

Xactware Solutions, Inc. Patent Litigation

On October 8, 2015, we were served with a summons and complaint in an action titled Eagle View Technologies, Inc. and Pictometry International Group, Inc. v. Xactware Solutions, Inc. and Verisk Analytics, Inc. filed in the United States District Court for the District of New Jersey. The complaint alleges that our Roof InSight, or now known as Geomni Roof, Property InSight product, or now known as Geomni Property and Aerial Sketch product in combination with our Xactimate product infringe seven patents owned by Eagle View and Pictometry namely, Patent Nos. 8,078,436, or the 436 patent, 8,170,840, or the 840 patent, 8,209,152, or the 152 patent, 8,542,880, or the 880 patent, 8,818,770, or the 770 patent, 8,823,732, or the 732 patent, and 8,825,454, or the 454 patent. On November 30, 2015, plaintiffs filed a First Amended Complaint adding Patent Nos. 9,129,376, or the 376 patent and 9,135,737, or the 737 patent to the lawsuit. The First Amended Complaint seeks an entry of judgment by the Court that defendants have and continue to directly infringe and/or indirectly infringe, including by way of inducement the Patents-in-Suit, permanent injunctive relief, damages, costs and attorney's fees. On May 19, 2017, the District Court so ordered a Joint Stipulated Order of Partial Dismissal with Prejudice dismissing all claims or assertions pertaining to Pictometry Patents Nos. 880 and 732 and certain asserted claims of the Eagle View Patents Nos. 436, 840, 152, 770, 454, 376 and 737, or collectively the "Patents in Suit". Eagle View further reduced the number of asserted claims pertaining to the Patents in Suit to 18 asserted claims. Thereafter, Eagle View dropped the 152 patent and further reduced the number of asserted claims from the six remaining Patents in Suit to 11 asserted claims. Fact discovery and expert discovery are now closed and defendants' summary judgment motions were fully submitted on October 26, 2018. On December 6, 2018, the Court denied Eagle View's motion for summary judgment that a key prior art reference be excluded. On December 20, 2018, the Court denied our motion for summary judgment of equitable estoppel. On January 29, 2019, the Court denied our motion for summary judgment of unpatentability pursuant to Section 101 of the Patent Statute. At this time, it is not reasonably possible to determine the ultimate resolution of, or estimate the liability related to, this matter.

360Value Litigation

On December 10, 2018, we were served with a First Amended Complaint filed in the United States District Court for the Northern District of California titled Sheahan, et al. v. State Farm General Insurance Co., Inc., et al. The action is brought by California homeowners, on their own behalf and on behalf of an unspecified putative class of State Farm policyholders whose homes were damaged or lost during the Northern California wildfires of 2017, against State Farm as well as us, ISO, and Xactware Solutions, Inc. Plaintiffs served a Second Amended Complaint on January 6, 2019. Like the First Amended Complaint, it alleges that defendants through the use of our 360Value product conspired to under-insure plaintiffs' homes by issuing undervalued policies and underestimating the costs of rebuilding those homes. Plaintiffs claim that defendants violated federal antitrust law as well as California consumer protection law and common law. At this time, it is not reasonably possible to determine the ultimate resolution of, or estimate the liability related to, this matter.

Item 4. Mine Safety Disclosures

Not Applicable.

Table of Contents

PART II

Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Information

Verisk trades under the ticker symbol "VRSK" on the NASDAQ Global Select Market. As of February 15, 2019, there were approximately 47 stockholders of record. We believe the number of beneficial owners is substantially greater than the number of record holders, because a large portion of common stock is held in "street name" by brokers. We have not paid or declared any cash dividends on our common stock during the two most recent fiscal years. We have a publicly announced share repurchase plan and repurchased a total of 57,875,155 shares since our IPO through December 31, 2018. As of December 31, 2018, we had 380,032,628 shares of treasury stock.

Performance Graph

The graph below compares the cumulative total stockholder return on \$100 invested in our common stock, with the cumulative total return (assuming reinvestment of dividends) on \$100 invested in the S&P 500 Index and an aggregate of peer issuers in the information services industry used in last year's statement, and a new group of aggregate of peer issuers in the information services industry. We have aligned our peer issuers for this performance graph with those used in our proxy statement. In this transition year, the table and the graph below include both the prior and the new indices of peer companies. The prior peer issuers used for this graph are Equifax Inc., Factset Research Systems Inc., IHS Markit, MSCI Inc., Moody's Corporation, S&P Global, and Nielsen Holdings plc. The new peer issuers used for this graph are Alliance Data Systems Corporation, Equifax Inc., Factset Research Systems Inc., Fidelity National Information Services, Inc., Fiserv, Inc., Gartner, Inc., IHS Markit, Moody's Corporation, MSCI Inc., Nielsen Holdings plc, S&P Global, and TransUnion.

COMPARISON OF CUMULATIVE TOTAL RETURN

Assumes \$100 Invested on December 31, 2013

Assumes Dividend Reinvested

Fiscal Year Ended December 31, 2018

Recent Sales of Unregistered Securities

There were no unregistered sales of equity securities by the Company during 2018.

Table of Contents

Issuer Purchases of Equity Securities

Our board of directors has authorized a share repurchase program, or Repurchase Program, since May 2010, of up to \$3.3 billion. As of December 31, 2018, \$427.6 million remains available for share repurchases. In June and September 2018, we entered into two Accelerated Share Repurchase, or ASR, agreements to repurchase shares of its common stock for an aggregate purchase price of \$100.0 million. These ASRs were settled in September and December 2018. In December 2018, we entered into an additional ASR agreement to repurchase shares of its common stock for an aggregate purchase price of \$75.0 million. This ASR will be settled in March 2019. Under the Repurchase Program, we may repurchase stock in the market or as otherwise determined by us. These authorizations have no expiration dates and may be suspended or terminated at any time. Since the introduction of share repurchase as a feature of our capital management strategies in 2010, we have repurchased shares with an aggregated value of \$2,872.4 million. Our share repurchases for the quarter ended December 31, 2018 are set forth below:

Period	Total Number of Shares Purchased	Average Price Paid as per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Approximate Dollar Value of Shares that May Yet Be Purchased Under the Plans or Programs (in millions)
October 1, 2018 through October 31, 2018	331,812	\$ 120.55	331,812	\$544.0
November 1, 2018 through November 30, 2018	605,500	\$ 121.93	605,500	\$470.2
December 1, 2018 through December 31, 2018	371,032	\$ 114.76	371,032	\$427.6
	1,308,344		1,308,344	

Item 6. Selected Financial Data

The following selected historical financial data should be read in conjunction with, and are qualified by reference to, Item 7. "Management's Discussion and Analysis of Financial Condition and Results of Operations" and the consolidated financial statements and notes thereto included elsewhere in this annual report on Form 10-K. The consolidated statement of operations data for the years ended December 31, 2018, 2017, and 2016 and the consolidated balance sheet data as of December 31, 2018 and 2017 are derived from the audited consolidated financial statements included elsewhere in this annual report on Form 10-K. The consolidated statement of operations data for the years ended December 31, 2015 and 2014 and the consolidated balance sheet data as of December 31, 2016, 2015, and 2014 are derived from consolidated financial statements that are not included in this annual report on Form 10-K. Results for the year ended December 31, 2018 are not necessarily indicative of results that may be expected in any other future period.

Between January 1, 2014 and December 31, 2018, we acquired 26 businesses (most notably Wood Mackenzie on May 19, 2015), which may affect the comparability of our consolidated financial statements. Our consolidated financial statements have been retroactively adjusted in all periods presented to give recognition to the discontinued operations of our healthcare business and mortgage services business. The following table sets forth our statement of operations for the years ended December 31:

Table of Contents

2018 2017 2016 2015 2014

(in millions, except for share and per share data)

Revenues:

Insurance	\$1,705.9	\$1,550.5	\$1,419.1	\$1,330.6	\$1,245.0
Energy and Specialized Markets	513.3	444.7	442.8	308.8	84.9
Financial Services	175.9	150.0	133.3	121.3	101.2
Revenues	2,395.1	2,145.2	1,995.2	1,760.7	1,431.1
Operating expenses:					
Cost of revenues (exclusive of items shown separately below)	886.2	783.8	714.4	612.0	516.0
Selling, general and administrative	378.7	322.8	301.6	278.3	187.3
Depreciation and amortization of fixed assets	165.3	135.6	119.1	96.6	65.4
Amortization of intangible assets	130.8	101.8	92.5	70.4	30.1
Total operating expenses	1,561.0	1,344.0	1,227.6	1,057.3	798.8
Operating income	834.1	801.2	767.6	703.4	632.3
Other income (expense):					
Investment income and others, net	15.3	9.2	6.1	16.9	0.2
Gain on derivative instruments	—	—	—	85.2	—
Interest expense	(129.7)	(119.4)	(120.0)	(121.4)	(70.0)
Total other expense, net	(114.4)	(110.2)	(113.9)	(19.3)	(69.8)
Income before income taxes from continuing operations	719.7	691.0	653.7	684.1	562.5
Provision for income taxes	(121.0)	(135.9)	(202.2)	(196.6)	(208.5)
Income from continuing operations	598.7	555.1	451.5	487.5	354.0
Income from discontinued operations, net of tax (1)	—	—	139.7	20.1	46.0
Net income	\$				