Report on Risks and Opportunities

Continental's overall situation is analyzed and managed corporation-wide using the risk and opportunity management system.

The management of the Continental Corporation is geared toward creating added value. For us, this means sustainably increasing the value of each individual business unit and the corporation as a whole. We evaluate risks and opportunities responsibly and on an ongoing basis in order to achieve our goal of adding value.

We define risk as the possibility of internal or external events occurring that can have a negative influence on the attainment of our strategic and operational targets. As a global corporation, Continental is exposed to a number of different risks that could impair business and, in extreme cases, endanger the company's existence. We accept manageable risks if the resulting opportunities lead us to expect to achieve sustainable growth in value. We consider growth in value in terms of the Continental Value Contribution (CVC) system described in the Corporate Management section.

Risk and Opportunity Management and Internal Control System

In order to operate successfully as a company in a complex business sector and to ensure the effectiveness, efficiency and propriety of accounting and compliance with the relevant legal and sub-legislative regulations, Continental has created a governance system that encompasses all relevant business processes. The governance system comprises the internal control system, the risk management system and the compliance management system, which is described in detail in the Corporate Governance Declaration on page 21. The risk management system in turn also includes the early risk identification system in accordance with Section 91 (2) of the German Stock Corporation Act *(Aktiengesetz – AktG)*.

The Executive Board is responsible for the governance system, which includes all subsidiaries. The Supervisory Board and the Audit Committee monitor its effectiveness.

Pursuant to Sections 289 (4) and 315 (4) of the German Commercial Code *(Handelsgesetzbuch – HGB)*, the main characteristics of the internal control and risk management system with respect to the accounting process must be described. All parts of the risk management system and internal control system that could have a material effect on the annual and consolidated financial statements must be included in the reporting.

Key elements of the corporation-wide control systems are the clear allocation of responsibilities and controls inherent in the system when preparing the financial statements. The two-person rule and separation of functions are fundamental principles of this organization. In addition, Continental's management ensures accounting that complies with the requirements of law via guidelines on the preparation of financial statements and on accounting, access authorizations for IT systems and regulations on the involvement of internal and external specialists.

The effectiveness of the financial reporting internal control system (Financial Reporting ICS) is evaluated in major areas by testing the effectiveness of the reporting units on a quarterly basis. If any weaknesses are identified, the corporation's management initiates the necessary measures.

As part of our opportunity management activities, we assess market and economic analyses and changes in legal requirements (e.g. with regard to fuel consumption and emission standards, safety regulations). In addition, we deal with the corresponding effects on the automotive sector and other relevant markets, our production factors and the composition and further development of our product portfolio.

Governance, risk and compliance (GRC)
In the GRC policy adopted by the Executive Board, Continental defines the general conditions for integrated GRC as a key element of the risk management system, which regulates the identification, assessment, reporting and documentation of risks. In addition, this also further increases corporate-wide risk awareness and establishes the framework for a uniform risk culture. The GRC Committee ensures that this policy is adhered to and implemented.

The GRC system incorporates all components of risk reporting and the examination of the effectiveness of the Financial Reporting ICS. Risks are identified, assessed and reported at the organizational level that is also responsible for managing the identified risks. A multi-stage assessment process is used to involve also the higher-level organizational units. The GRC system thus includes all reporting levels, from the company level to the top corporate level.

Risk reporting

At the corporate level, the responsibilities of the GRC Committee – chaired by the Executive Board member responsible for Finance, Controlling, Compliance, Law and IT – include identifying which risks are significant for the corporation. The GRC Committee regularly informs the Executive Board and the Audit Committee of the Supervisory Board of the major risks, any weaknesses in the control system and measures taken. Moreover, the auditor of the corporation is required to report to the Audit Committee of the Supervisory Board regarding any major weaknesses in the Financial Reporting ICS which the auditor identified as part of their audit activities.

Risk assessment and reporting

A period under consideration of one year is always applied when evaluating risks and opportunities. The risks and their effects are assessed primarily according to quantitative criteria and assigned to different categories in line with the net principle, i.e. after risk mitigation measures. If a risk cannot be assessed quantitatively, then it is assessed qualitatively based on the potential negative effects its occurrence would have on achieving strategic corporate goals and based on other qualitative criteria such as the impact on Continental's reputation.

Significant individual risks for the corporation are identified from all the reported risks based on the probability of occurrence and the amount of damage that would be caused in the period under consideration. The individual risks that Continental has classified as material and the aggregated risks that have been assigned to risk categories are all described in the Report on Risks and Opportunities, provided the potential negative EBIT effect of an individual risk or the sum of risks included in a category exceeds €100 million in the period under consideration or there is a significant negative impact on the strategic corporate goals.

Local management can utilize various instruments for risk assessment, such as predefined risk categories (e.g. exchange-rate risks, product-liability risks, legal risks) and assessment criteria, a centrally developed function-specific questionnaire as well as the Financial Reporting ICS's process and control descriptions. The key controls in business processes (purchase to pay, order to cash, asset management, HR, IT authorizations and the financial statement closing process) are thus tested with respect to their effectiveness.

All major subsidiaries carry out a semiannual assessment of business-related risks and an annual assessment of compliance risks in the GRC system's IT-aided risk management application. Any quality, legal and compliance cases that have actually occurred are also taken into account when assessing these risks. The quarterly Financial Reporting ICS completes regular GRC reporting.

Furthermore, the GRC Committee identifies and assesses strategic risks, for example as part of a SWOT analysis. Any new material risks arising unexpectedly between regular reporting dates have to be reported immediately and considered by the GRC Committee. This also includes risks identified in the audits by corporate functions.

In addition to the risk analyses carried out by the reporting units as part of integrated GRC, audits are also performed by the Corporate Audit department. Furthermore, the central controlling function analyzes the key figures provided as part of this reporting process at corporation and division level in order to assess the effects of potential risks.

Continental has set up a Compliance & Anti-Corruption Hotline to give employees and third parties outside the corporation the opportunity to report violations of legal regulations, its fundamental values, and ethical standards. Information on any kind of potential violations, such as bribery or antitrust behavior, but also accounting manipulations, can be reported anonymously, where permissible by law, via the hotline. Tips received by the hotline are examined, pursued and dealt with fully by Corporate Audit and the Compliance department, as required, with the assistance of other departments.

Risk management
The responsible management initiates suitable countermeasures that are also documented in the GRC system for each risk identified and assessed as material. The GRC Committee monitors and consolidates the identified risks and suitable countermeasures at the corporation level. It regularly reports to the Executive Board and recommends further measures if needed. The Executive Board discusses and resolves the measures, and reports to the Supervisory Board's Audit Committee. The responsible bodies continually monitor the development of all identified risks and the progress of actions initiated. Corporate Audit regularly audits the risk management process, thereby continually monitoring its effectiveness and further development.

Material Risks

The order of the risk categories and individual risks presented within the four risk groups reflects the current assessment of the relative risk exposure for Continental and thus provides an indication of the current significance of these risks. If no quantitative information on the amount of damage is provided, the assessment is carried out on the basis of qualitative criteria. Unless the emphasis is placed on a specific division, then the risks apply to all divisions.

Financial Risks

Continental is exposed to risks in connection with its financing agreements and the syndicated loan.
Continental is subject to risks in connection with its financing agreements. Risks arise from the bonds that Continental AG or its subsidiaries issued as part of its Debt Issuance Programme. These financing agreements contain covenants that could limit Continental's capacity to take action as well as change-of-control provisions.

In order to finance its current business activities as well as its investments and payment obligations, Continental concluded a syndicated loan agreement in April 2014 from which risks may arise. This loan agreement was last renegotiated in April 2016. Under the terms of the syndicated loan agreement, the lenders have the right to demand repayment of the loan in the event of a change of control at Continental AG. The requirements for and consequences of a change in control in accordance with the terms of the bonds or the syndicated loan agreement are described in detail in the Further Disclosures and Notes section, pursuant to Sections 289a and 315a *HGB*, on pages 90 and 91. The loans and bonds cited here could also immediately become due and payable if other financing agreements of more than €75.0 million are not repaid on time or are prematurely called for repayment.

Furthermore, in addition to other obligations, this syndicated loan agreement also requires Continental to comply with a financial covenant. This provides for a maximum leverage ratio (calculated from the ratio of Continental's consolidated net indebtedness to consolidated adjusted EBITDA) of 3.00.

Owing to the market and operational risks presented below, it cannot be ruled out that under certain extreme circumstances it may not be possible for Continental to comply with the ratio described previously. If Continental fails in this obligation, the creditors are entitled to declare the loan and bonds immediately due and payable. The committed volume of the syndicated loan consists of a revolving tranche of €3.0 billion (due in April 2021). This had been utilized by Continental Rubber of America, Corp., Wilmington, Delaware, U.S.A., in the amount of €157.2 million as at the end of fiscal 2018.

The leverage ratio was 0.19 as at December 31, 2018. The financial covenant was complied with at all times.

Continental is exposed to risks associated with changes in currency exchange rates and hedging.
Continental operates worldwide and is therefore exposed to financial risks that arise from changes in exchange rates. This could result in losses if assets denominated in currencies with a falling exchange rate lose value and/or liabilities denominated in currencies with a rising exchange rate appreciate. In addition, fluctuations in exchange rates could intensify or reduce fluctuations in the prices of raw materials in euros, as Continental sources a considerable portion of its raw materials in foreign currency. As a result of these factors, fluctuations in exchange rates can influence Continental's earnings situation.

External and internal transactions involving the delivery of products and services to third parties and companies of the Continental Corporation can result in cash inflows and outflows that are denominated in currencies other than the functional currency of the respective subsidiary of the Continental Corporation (transaction risk). To the extent that cash outflows of the respective subsidiary of the Continental Corporation in any one foreign currency are not offset by cash flows resulting from operational business in the same currency, the remaining net exchange-rate risk is hedged against on a case-by-case basis using the appropriate derivative instruments, particularly currency forwards, currency swaps and currency options with a term of up to 12 months.

Moreover, Continental is exposed to exchange-rate risks arising from external and internal loan agreements, which result from cash inflows and outflows in currencies that are denominated in currencies other than the functional currency of the respective subsidiary of the Continental Corporation. These exchange-rate risks are in general hedged against by using appropriate derivative instruments, particularly currency forwards, currency swaps and cross-currency interest-rate swaps. Any hedging transactions executed in the form of derivative instruments can result in losses. Continental's net foreign investments are, as a rule, not hedged against exchange-rate fluctuations. In addition, a number of Continental's consolidated companies report their results in currencies other than the euro, which requires Continental to convert the relevant items into euros when preparing Continental's consolidated financial statements (translation risk). Translation risks are generally not hedged.

In order to quantify the possible effects of transaction-related exchange-rate risks from financial instruments on the earnings position of the Continental Corporation, transaction currencies with a significant exchange-rate risk within the next 12 months were identified using a mathematical model based on historical volatility. If the exchange rates of these currencies all develop disadvantageously for Continental at the same time, then the hypothetical negative effect on the corporation's earnings position, calculated based on a 10% change in the current closing rate, would amount to between €100 million and €200 million.

Risks Related to the Markets in which Continental Operates

Continental could be exposed to material risks in connection with a global financial and economic crisis.
Continental generates a large percentage (72%) of its sales from automobile manufacturers (original equipment manufacturers, OEMs). The remainder of Continental's sales is generated from the replacement or industrial markets, mainly in the replacement markets for passenger-car and truck tires, and to a lesser extent in the non-automotive end markets of the other divisions.

The automotive markets in Europe and North America, as well as in China, are currently developing much more weakly than in the past, while also displaying increasing volatility and uncertainty. If this represents a prolonged weakness of the market or is intensified by a general economic downturn, it would likely adversely affect Continental's sales and results of operations. Furthermore, Continental's five largest OEM customers (Daimler, Fiat-Chrysler, Ford, Renault-Nissan-Mitsubishi and VW) generated approximately 40% of the Continental Corporation's sales in 2018. If one or more of Continental's OEM customers is lost or terminates a supply contract prematurely, the original investments made by Continental to provide such products or outstanding claims against such customers could be wholly or partially lost.

Based on a scenario analysis that assumes a 20% decrease in volumes in fiscal 2019, and taking account of restructuring measures required as a result, we anticipate a decline of around 8 percentage points in the EBIT margin and of 5 to 6 percentage points in the adjusted EBIT margin.

Continental operates in a cyclical industry.
Global production of vehicles and, as a result, sales to OEMs (from whom Continental currently generates 72% of its sales) are subjected to major fluctuations in some cases. They depend, among other things, on general economic conditions, disposable income and household consumer spending and preferences, which can be affected by a number of factors, including fuel costs as well as the availability and cost of consumer financing. As the volume of automotive production fluctuates, the demand for Continental's products also fluctuates, as OEMs generally do not commit to purchasing minimum quantities from their suppliers or to fixed prices. It is difficult to predict future developments in the markets Continental serves, which also makes it harder to estimate the requirements for production capacity. As Continental's business is characterized by high fixed costs, it is thus exposed to the risk that fixed costs are not fully covered in the event of falling demand and the resulting underutilization of its facilities (particularly in the Automotive Group). Conversely, should the markets in which Continental operates grow faster than anticipated, there could be insufficient capacity to meet customer demand. To reduce the impact of the potential risk resulting from this dependence on the automotive industry, Continental is strengthening its replacement business and industrial business, including by means of acquisitions.

Continental is reliant on certain markets.
In 2018, Continental generated 49% of its total sales in Europe and 20% in Germany alone. By comparison, 25% of Continental's total sales in 2018 were generated in North America, 22% in Asia, and 4% in other countries. Therefore, in the event of an economic downturn in Europe, particularly in Germany, for example, Continental's business and earnings situation could be affected more extensively than that of its competitors'. Furthermore, the automotive and tire markets in Europe and North America are largely saturated. To minimize these risks, Continental is therefore striving to improve the regional sales balance, particularly by generating more sales in emerging markets and especially in Asia, as described in the corporate strategy. However, the established markets in Europe and North America as well as the growth markets, particularly in China, are currently developing much more weakly than in the past while also displaying increasing volatility and uncertainty, which makes it more difficult to plan and implement suitable measures to reduce regional market dependencies.

Continental is exposed to risks associated with the market trends and developments that could affect the vehicle mix sold by OEMs.
Continental currently generates 72% of its sales from OEMs, mainly in its Automotive Group. Global production of vehicles and, as a result, business with OEM customers are currently subject to a number of market trends and technical developments that may affect the vehicle mix sold by OEMs.

- Due to increasingly stringent consumption and emission standards throughout the industrial world, including the EU and Asia, car manufacturers are increasingly being forced to develop environmentally compatible technologies aimed at lowering fuel consumption as well as CO_2 and particulate emissions. These developments are causing a trend toward lower-consumption vehicles. The emerging markets are focusing strongly on the small-car segment as their introduction to mobility.

- In recent years, the market segment of affordable cars has grown steadily, particularly in emerging markets such as China, India and Brazil, as well as in Eastern Europe.

- Over the past decade, hybrid electric vehicles, which combine a conventional internal-combustion-engine drive system with an electric drive system, have become increasingly popular. Their market share will increase further in the coming years. Furthermore, the first purely electric vehicles that use one or more electric motors for propulsion have already been launched. If the industry is able to develop electric vehicles in line with consumers' expectations, these could gain a considerable market share in the medium to long term.

As a result of the market trends and technical developments described previously, the vehicle mix sold by Continental's customers has shifted considerably in the last few years and may also change further in the future. As a technology leader, Continental is reacting to this development with a balanced and innovative product portfolio.

Continental is exposed to risks associated with additional or higher tariffs.
Due to the current increase in protectionist tendencies around the world as well as political developments such as Brexit, Continental sees itself at risk from additional or higher tariffs on automobiles and on the products, components and raw materials it supplies or purchases. These tariffs could cause demand for Continental's products to drop and costs to increase, which would have an adverse effect on Continental's business and earnings situation.

Continental is exposed to fluctuations in the prices of raw materials and electronic components.
For the divisions of the Automotive Group, higher prices for raw materials and electronic components in particular can result in cost increases. The divisions of the Rubber Group mainly depend on the development of oil, natural rubber and synthetic rubber prices. The prices for these raw materials and components are exposed to sometimes considerable fluctuations worldwide. At present, Continental does not actively hedge against the risk of rising prices of electronic components or raw materials by using derivative instruments. If the company is not able to compensate for the increased costs or to pass them on to customers, the price increases could reduce Continental's income by €100 million to €200 million.

Risks Related to Continental's Business Operations

Continental is exposed to risks in connection with its pension commitments.
Continental provides defined benefit pension plans in Germany, the U.S.A., the U.K. and certain other countries. As of December 31, 2018, the pension obligations amounted to €6,595.3 million. These existing obligations are financed predominantly through externally invested pension plan assets. In 2006, Continental established legally independent trust funds under contractual trust arrangements (CTAs) for the funding of pension obligations of certain subsidiaries in Germany. In 2007, Continental assumed additional CTAs in connection with the acquisition of Siemens VDO. As of December 31, 2018, Continental's net pension obligations (defined benefit obligations less the fair value of plan assets) amounted to €3,866.8 million.

Continental's externally invested plan assets are funded by externally managed funds and insurance companies. While Continental generally prescribes the investment strategies applied by these funds and takes this into account when selecting external fund managers, it does not have any influence over their individual investment decisions. The assets are invested in different asset classes including equity, fixed-income securities, real estate and other investment vehicles. The values attributable to the externally invested plan assets are subject to fluctuations in the capital markets that are beyond Continental's influence. Unfavorable developments in the capital markets could result in a substantial coverage shortfall for these pension obligations, resulting in a significant increase in Continental's net pension obligations.

Any such increase in Continental's net pension obligations could adversely affect Continental's financial condition due to an increased additional outflow of funds to finance the pension obligations. Also, Continental is exposed to risks associated with longevity and interest-rate changes in connection with its pension commitments, as an interest-rate decrease could have an adverse effect on Continental's liabilities under these pension plans. Furthermore, certain U.S.-based subsidiaries of Continental have entered into obligations to make contributions to healthcare costs of former employees and retirees. Accordingly, Continental is exposed to the potential risk that these costs may increase in the future.

If the discount rates used to calculate net pension obligations were to decrease by 0.5 percentage points at the end of the year, ceteris paribus, this would lead to a rise in net pension obligations in a range from €600 million to €700 million, which would not be reduced by taking measures to minimize risk. However, this would not affect EBIT.

Continental is exposed to warranty and product liability claims.

Continental is constantly subject to product liability claims and proceedings alleging violations of due care, violation of warranty obligations or material defects, and claims arising from breaches of contract due to recalls or government proceedings. Any such lawsuits, proceedings and other claims could result in increased costs for Continental. Moreover, defective products could result in loss of sales and loss of customer and market acceptance. Such risks are insured up to levels considered economically reasonable by Continental, but its insurance coverage could prove insufficient in individual cases. Additionally, any defect in one of Continental's products (in particular tires and other safety-related products) could also have a considerable adverse effect on the company's reputation and market perception. This could in turn have a negative impact on Continental's sales and income. Moreover, vehicle manufacturers are increasingly requiring a contribution from their suppliers for potential product liability, warranty and recall claims. In addition, Continental has long been subject to continuing efforts by its customers to change contract terms and conditions concerning the contribution to warranty and recall cost. Furthermore, Continental manufactures many products pursuant to OEM customer specifications and quality requirements. If the products manufactured and delivered by Continental do not meet the requirements stipulated by its OEM customers at the agreed date of delivery, production of the relevant products is generally discontinued until the cause of the product defect has been identified and remedied. Under certain circumstances, this could lead to losses of sales and earnings. Furthermore, Continental's OEM customers could potentially claim damages, even if the cause of the defect is remedied at a later point in time. Moreover, failure to fulfill quality requirements could have an adverse effect on the market acceptance of Continental's other products and its market reputation in various market segments.

The quantifiable risks from warranty and product liability claims as at December 31, 2018, taking into account provisions, amounted to between €200 million and €300 million.

Continental depends on a limited number of key suppliers for certain products.

Continental is subject to the potential risk of unavailability of certain raw materials and production materials. Although Continental's general policy is to source input products from a number of different suppliers, single sourcing cannot always be avoided and, consequently, Continental is dependent on certain suppliers in the Rubber Group as well as with respect to certain products manufactured in the Automotive Group. Since Continental's procurement logistics are mostly organized on a just-in-time or just-in-sequence basis, supply delays, cancellations, strikes, insufficient quantities or inadequate quality can lead to interruptions in production and, therefore, have a negative impact on Continental's business operations in these areas. Continental tries to limit these risks by endeavoring to select suppliers carefully and monitor them regularly. However, if one of Continental's suppliers is unable to meet its delivery obligations for any reason (e.g. insolvency, destruction of production plants as a result of natural disasters, or refusal to perform following a change in control), Continental may be unable to source input products from other suppliers on short notice at the required volume. Such developments and events can therefore cause delays in the delivery or completion of Continental products or projects and could result in Continental having to purchase products or services from third parties at higher costs or even to financially support its own suppliers. Furthermore, in many cases OEM customers have approval rights with respect to the suppliers used by Continental, which could make it impossible for Continental to source input products from other suppliers upon short notice if the relevant OEM customer has not already approved other suppliers at an earlier point in time. All of this could lead to order cancellations or even claims for damages. Furthermore, Continental's reputation amongst OEM customers could suffer, with the possible consequence that they select a different supplier.

Continental could be adversely affected by property loss and business interruption.

Fire, natural hazards, terrorism, power failures or other disturbances at Continental's production facilities or within Continental's supply chain – with customers and with suppliers – can result in severe damage and loss. Such far-reaching negative consequences can also arise from political unrest or instability. The risks arising from business interruption, loss of production, or the financing of facilities are insured up to levels considered economically reasonable by Continental, but its insurance coverage could prove insufficient in individual cases. Furthermore, such events could injure or damage individuals, third-party property or the environment, which could, among other things, lead to considerable financial costs for Continental.

Continental is exposed to information-technology risks.
With regard to its business and production processes as well as its internal and external communication, Continental is highly dependent on centralized and standardized information-technology systems and networks. These systems and networks are potentially exposed to the risk of various forms of cybercrime as well as damage and disruption that can have a wide range of other causes. In hacker attacks, third parties could attempt to gain unauthorized access to confidential information that is stored, processed or communicated in the systems and networks. In addition, data and systems could be blocked, damaged or destroyed as a result of becoming infected with viruses or malware.

Although Continental has taken appropriate precautions to manage the risks associated with system and network disruptions and corresponding attacks, a prolonged outage in a computer center or telecommunication network or a comparable incident could result in systems or networks becoming unexpectedly unavailable over an extended period. The measures taken to minimize such risks include technical and organizational precautions such as duplicated data storage and contingency plans, as well as suitable training measures that are continuously expanded, particularly to raise awareness of the growing threat from cybercrime.

Should the precautions taken prove insufficient to adequately protect the systems, networks and information, Continental could suffer considerable damage and disadvantages as a result of outages or the knowledge and use of its information by third parties.

Continental is exposed to risks in connection with its interest in MC Projects B.V.
Continental and Compagnie Financière Michelin SCmA, Granges-Paccot, Switzerland (Michelin), each hold a 50% stake in MC Projects B.V., Maastricht, Netherlands, a company to which Michelin contributed the rights to the Uniroyal brand for Europe as well as for certain countries outside Europe. In turn, MC Projects B.V. licensed to Continental certain rights to use the Uniroyal brand on or in connection with tires in Europe and elsewhere. Under the terms of the agreement concluded in this connection, both the agreement and the Uniroyal license can be terminated if a major competitor in the tire business acquires more than 50% of the voting rights of Continental AG or of its tire business. Furthermore, in this case Michelin also has the right to acquire a majority in MC Projects B.V. and to have MC Projects B.V. increase its minority stake in the manufacturing company Continental Barum s.r.o., Otrokovice, Czechia – one of Continental's largest tire plants in Europe – to 51%. These events could have an adverse effect on the business and earnings position of Continental's Tire division.

Legal and Environmental Risks

Continental could become subject to additional burdensome environmental or safety regulations and additional regulations could adversely affect demand for Continental's products and services.
As a corporation that operates worldwide, Continental must observe a large number of different regulatory systems in numerous countries that change frequently and are continuously evolving and becoming more stringent, particularly with respect to the environment, chemicals and hazardous materials, as well as health regulations. This also applies to air, water and soil pollution regulations and to waste legislation, all of which have recently become more stringent through new laws, particularly in the EU and the U.S.A. Moreover, Continental's sites and operations necessitate various permits and the requirements specified therein must be complied with. In the past, adjusting to new requirements has necessitated significant investments and Continental assumes that further significant investments in this regard will be required in the future.

Continental could be unsuccessful in adequately protecting its intellectual property and technical expertise.
Continental's products and services are highly dependent upon its technological know-how and the scope and limitations of its proprietary rights therein. Continental has obtained or applied for a large number of patents and other industrial property rights that are of considerable importance to its business. The process of obtaining patent protection can be lengthy and expensive. Furthermore, patents may not be granted on currently pending or future applications or may not be of sufficient scope or strength to provide Continental with meaningful protection or commercial advantage. In addition, although there is a presumption that patents are valid, this does not necessarily mean that the patent concerned is effective or that possible patent claims can be enforced to the degree necessary or desired.

A major part of Continental's know-how and trade secrets is not patented or cannot be protected through industrial property rights. Consequently, there is a risk that certain parts of Continental's know-how and trade secrets could be transferred to collaboration partners, customers and suppliers, including Continental's machinery suppliers or plant vendors. This poses a risk that competitors will copy Continental's know-how without incurring any expenses of their own. Moreover, Continental has concluded a number of license, cross-license, collaboration and development agreements with its customers, competitors and other third parties under which Continental is granted rights to industrial property and/or know-how of such third parties. It is possible that license agreements could be terminated under certain circumstances in the event of the licensing partner's insolvency or bankruptcy and/or in the event of a change-of-control in either party, leaving Continental with reduced access to intellectual property rights to commercialize its own technologies.

There is a risk that Continental could infringe on the industrial property rights of third parties.
There is a risk that Continental could infringe on industrial property rights of third parties, since its competitors, suppliers and customers also submit a large number of inventions for industrial property protection. It is not always possible to determine with certainty whether there are effective and enforceable third-party industrial property rights to certain processes, methods or applications. Therefore, third parties could assert claims (including illegitimate ones) of alleged infringements of industrial property rights against Continental. As a result, Continental could be required to cease manufacturing, using or marketing the relevant technologies or products in certain countries or be forced to make changes to manufacturing processes and/or products. In addition, Continental could be liable to pay compensation for infringements or could be forced to purchase licenses to continue using technology from third parties. In addition, Continental is subject to efforts by its customers to change contract terms and conditions concerning the participation in disputes regarding alleged infringements of intellectual property rights.

Continental could be threatened with fines and claims for damages for alleged or actual antitrust behavior.
In May 2005, the Brazilian competition authorities opened investigations against Continental's Brazilian subsidiary Continental Brasil Indústria Automotiva Ltda., Guarulhos, Brazil (CBIA), following a complaint of anticompetitive behavior in the area of commercialization of tachographs. On August 18, 2010, the Brazilian antitrust authorities determined an "invitation to cartel" and imposed a fine of BRL 12 million (around €2.7 million) on CBIA, which was then reduced to BRL 10.8 million (around €2.4 million). CBIA denies the accusation that it has infringed Brazilian antitrust law. Although the court of first instance appealed to by CBIA upheld the decision, on CBIA's further appeal the next higher court annulled this decision and remanded the matter. In case an infringement of Brazilian antitrust law is found, third parties may, in addition, claim damages from CBIA.

On October 2, 2006, South African antitrust authorities received a complaint from a third party accusing several South African tire manufacturers of alleged antitrust behavior, including Continental Tyre South Africa (Pty.) Ltd., Port Elizabeth (CTSA), a subsidiary of Continental. On August 31, 2010, the South African antitrust authorities came to the conclusion that CTSA had violated South African antitrust law and referred the matter to the responsible antitrust court for a decision. CTSA denies the allegation of infringements of South African antitrust law. However, the tribunal could impose a fine of up to 10% of CTSA's sales. In addition, third parties may also claim damages from CTSA in case of an infringement of South African competition law.

In October 2012, Continental Automotive Systems US, Inc., Auburn Hills, Michigan, U.S.A., and two of Continental's South Korean subsidiaries became aware of investigations by the U.S. Department of Justice (DOJ) and the Korean Fair Trade Commission (KFTC) in connection with the suspected involvement in violations of U.S. and South Korean antitrust law in instrument cluster business. On December 23, 2013, the KFTC announced that it had imposed a fine of KRW 45,992 million (around €36 million) on Continental Automotive Electronics LLC, Bugan-myeon, South Korea (CAE). On June 25, 2015, the Seoul High Court, Seoul, South Korea, vacated the administrative fine imposed by the KFTC on CAE's appeal against the amount of the fine. The Supreme Court of South Korea rejected KFTC's appeal against this decision on May 31, 2017. On May 21, 2018, the KFTC adjusted the fine to KRW 32,101 million (around €25 million). This decision is final. On November 24, 2014, CAE and Continental Automotive Korea Ltd., Seongnam-si, South Korea, entered into an agreement with the DOJ that was confirmed by the competent U.S. court on April 1, 2015. Under this agreement, the two companies admitted to charges of violating U.S. antitrust law and agreed to pay a fine of U.S. $4.0 million (around €3.5 million). In the proceedings relating to class action lawsuits filed in the U.S.A. for alleged damages resulting from the antitrust violations, settlements totaling U.S. $5.0 million (around €4.4 million) were concluded in 2018. The risk of investigations by other antitrust authorities into this matter and further claims for damages by further alleged victims remain unaffected by the fines imposed. Continental has conducted internal audits in certain business units to check compliance with antitrust law. These audits revealed anticompetitive behavior with respect to product groups. Continental took measures to end this behavior. There is a risk that antitrust authorities may conduct investigations due to this behavior and impose fines and that third parties, especially customers, may file claims for damages. The amount of such fines and any subsequent claims is unknown from the current perspective, but could be significant. It also cannot be ruled out that future internal audits may reveal further actual or potential violations of antitrust law that in turn could result in fines and claims for damages. In addition, alleged or actual antitrust behavior could seriously disrupt the relationships with business partners.

In September 2014, the European Commission conducted a search at a subsidiary of Continental. On February 21, 2018, the Commission imposed a fine of €44.0 million on Continental AG; Continental Teves AG & Co. oHG, Frankfurt, Germany; and Continental Automotive GmbH, Hanover, Germany; for the unlawful exchange of information. This involved specific brake components. Continental has set aside provisions that cover this fine. Continental cannot rule out the possibility that customers will claim for damages with reference to the commission's decision. At this point in time, it is not possible to say whether such claims will be submitted and, if they are, how much the damages will be – irrespective of whether or not the claims are justified. As a result, it cannot be ruled out that the resulting expenses will exceed the provisions that have been set aside for this purpose. In accordance with IAS 37.92 and GAS 20.154, no further disclosures will be made with regard to the proceedings and the related measures so as not to adversely affect the company's interests.

Continental is exposed to risks from legal disputes.
Companies from the Continental Corporation are involved in a number of legal and arbitration proceedings and could become involved in other such proceedings in the future. These proceedings could involve substantial claims for damages or payments, particularly in the U.S.A. For more information on legal disputes, see Note 34 of the Notes to the Consolidated Financial Statements.

Material Opportunities

Unless the emphasis is placed on a specific division, then the opportunities apply to all divisions.

There are opportunities for Continental if macroeconomic development is better than anticipated.
If the general economic conditions develop better than we have anticipated, we expect that global demand for vehicles, replacement tires and industrial products will also develop better than we have anticipated. Due to the increased demand for Continental's products among vehicle manufacturers and industrial clients and in the replacement business that would be expected as a consequence, sales could rise more significantly than expected and there could be positive effects with regard to fixed cost coverage.

There are opportunities for Continental if the sales markets develop better than anticipated.
If demand for automobiles and replacement tires develops better than we have anticipated, particularly on the European market, this would have positive effects on Continental's sales and earnings due to the high share of sales generated in this region (49%).

There are opportunities for Continental if there is a stable price level on the raw materials markets relevant to us.
Continental's earnings situation is affected to a significant extent by the cost of raw materials, electronic components and energy. For the Automotive Group divisions, this particularly relates to the cost of steel and electronic components. If we succeed even better than before in offsetting possible cost increases or compensating for them through higher prices for our products, this would then have a positive effect on Continental's earnings. The earnings situation of the Rubber Group divisions is significantly impacted by the cost of oil and of natural and synthetic rubber. If prices for natural and synthetic rubber in particular settle down at the level of the second half of 2018, this could have a positive impact on Continental's earnings. We currently anticipate that prices, particularly of rubber, will rise again over the course of 2019 as a result of the assumed increase in demand on the global tire-replacement and industrial markets.

There are opportunities for Continental from changes in the legal framework.
The further tightening of the regulatory provisions on fuel consumption and emission standards for motor vehicles in developing markets, too, could trigger higher demand for Continental's products. With our comprehensive portfolio of gasoline and diesel systems including sensors, actuators, exhaust-gas aftertreatment and tailor-made electronics, through to fuel supply systems, engine management and transmission control units, down to systems and components for hybrid and electric drives, as well as with tires with optimized rolling resistance and tires for hybrid vehicles, we are already providing solutions that enable compliance with such changes in the legal framework and can therefore respond quickly to changes that arise in the regulatory provisions. An increase in the installation rates for these products due to increased regulatory provisions would have a positive influence on our sales and earnings.

Additional legal regulations with the aim of further improving traffic safety would also provide an opportunity for a rise in demand for Continental's products. We are already among the leading providers of electronic brake systems as well as control electronics for airbags and seat belts. Based on our broad product portfolio for active vehicle safety, we have developed more advanced safety systems over the past years, including emergency brake assist, lane departure warning and blind spot detection systems, as well as the head-up display. At present, these systems are mainly optionally installed in luxury vehicles.

There are opportunities for Continental from an intensified trend toward vehicle electrification.
If the trend toward vehicle electrification intensifies, with the effect that electric drive or hybrid drive systems are more cost-effective alternatives than previously expected due to economies of scale, this would have a positive impact for Continental. Continental is already well positioned on these future markets with its products.

There are opportunities for Continental from digitalization and particularly from the intelligent interconnection of vehicles with each other and with the internet.
By intelligently connecting advanced driver assistance systems and driver information systems with each other and with the internet, we are laying the foundations for gradually making automated driving possible in the coming years. We also plan to implement fully automated driving in the coming decade by means of collaborations with leading providers from the technology and internet sector. To this end, we are developing new cross-divisional system, service and software solutions that can offer substantial growth potential for Continental with positive effects on its future sales and attainable margins. External studies estimate the market potential of connecting vehicles with each other and with the internet at U.S. $70 billion to U.S. $110 billion in 2025. This also includes the intelligent use of automotive data. This digitalization is opening up a new market for mobility services that enables Continental to tap new business areas with its Continental.cloud and eHorizon, which are paving the way for such services.

In addition, the increasing digitalization of our products gives us the opportunity to offer our customers software-based services as well as the product itself (servitization). Additional sales in these fields would bring Continental closer to achieving its strategic goal of greater independence from the automotive industry.

The trend toward automated driving presents Continental with opportunities.
In recent years, the trend from assisted driving to fully automated driving has intensified considerably. Some OEMs expect to be able to provide this function in just a few years. A key requirement for fully automated driving is that vehicles be equipped with sensors. Today, an average of one sensor for assisted driving is installed per vehicle. Merely for partly automated driving, an average of 16 sensors are required, including radar, laser and camera sensors. OEMs estimate that up to 44 sensors are needed in order to realize fully automated driving. Continental is already one of the leading providers of advanced driver assistance systems. According to our own estimate, the market volume for sensors for assisted/automated driving in 2025 will be more than €20 billion. However, this estimate is based on far fewer sensors per vehicle than is currently assumed by our customers. Should the trend toward automated driving continue to accelerate in the years to come and the data we assume for sensor equipment per vehicle prove too conservative, this would result in considerable sales and earnings opportunities for Continental.

Urbanization presents Continental with opportunities.
Forecasts predict that by 2050 more than two-thirds of the world's population will live in large cities. The vehicle fleet will then have grown to over two billion vehicles by that time, and the majority of these vehicles will be used in large cities. This will pose huge challenges in terms of infrastructure, safety and vehicle emissions. In view of our broad portfolio of safety technologies, products for zero-emission and low-emission mobility, and solutions for intelligently connecting vehicles with one another and with the infrastructure, this trend will bring opportunities to generate sales in the future. At the same time, it will also enhance the opportunities arising from digitalization, electrification and automated driving.

Statement on Overall Risk and Opportunities Situation

In the opinion of the Executive Board, the risk situation of the Continental Corporation has not changed significantly in the past fiscal year.

In the current year, it remains to be seen how further political developments in North America, Europe (e.g. Brexit) and China will affect the economy and our business development – and how the prevailing volatile situation will affect our company.

However, despite the changes in individual risks, the analysis in the corporation-wide risk management system for the year under review did not reveal any risks that, individually or collectively, pose a threat to the company or the corporation as a going concern. In the opinion of the Executive Board, there are also no discernible risks to the corporation as a going concern in the foreseeable future.

Considering the material opportunities, the overall risk assessment for the Continental Corporation presents a reasonable risk and opportunities situation to which our strategic goals have been aligned accordingly.