Ideas. The report in the Advanced Composite Materials (ACM) is expected to register growth at CAGR of more than 6% during the forecast period. Factors such as the growing demand for fuel-efficient and light vehicles are driving the advanced composite market worldwide. The growth in demand for lightweight materials in the aerospace and defense industries is expected to stimulate market demand during the forecast period. The rising cost of raw materials is likely to hinder market growth. New technological innovations in the wind energy sector, according to the report, will be used as an opportunity for the market in the future. Key market trends and the defensive growth of the advanced composite materials market is observed to be growing rapidly. The use of composite materials in commercial/transport aircraft is massive because reducing the weight of the aircraft provides better fuel economy and therefore reduces operating costs. Other important properties of advanced composite materials include high strength, rigidity, heat and chemical resistance, electrical conductivity, as well as various other thermal and chemical properties, which expands the use of advanced composite materials in the aerospace and defense industries. These factors are widely used in ballistic protective applications such as bullet-proof vests, protective clothing such as gloves, motorcycle protective clothing, and hunting gear. Many countries are focused on growing the domestic defense industry while producing equipment locally. These factors are expected to stimulate demand for advanced composite materials during the forecast period. Increased air traffic in the Middle East and Asia-Pacific region is also likely to spur demand for commercial and passenger aircraft, with increasing attention to travel and fuel costs. Thanks to the above-mentioned factors, the aerospace industry and defense are expected to stimulate demand for modern composite materials during the forecast period.

The European region is expected to dominate the European market and hold the greatest demand for advanced composite materials, which account for just over 20% of the world market, in 2018. The German aerospace industry is growing at a faster rate than before. In addition, France has a huge aerospace and defense industry, with major players like Airbus and Dassault Aviation, in the domestic market. Most of this is operated by Airbus, with several billion orders booked and about eight years of production in line. In addition, automotive production in the country is also growing by more than 2% per year, thus fueling the demand for aerospace composite materials in recent times. These factors are likely to contribute to the development of advanced composite materials in the European region. The competitive landscape of the Advanced Composite Materials Market is fragmented, with the presence of many local and global players. Mitsubishi Chemical Carbon Fiber and Composites Inc., Toray Industries Inc., Kolon Industries Inc., SGL Group and Teijin Limited are key players in the advanced composite materials market. Reasons for buying this report: Market Assessment (ME) sheet in Excel Adjustment Report format as required by customer 3 Months of Analytical Support Content Table 1.1 Study Reports 1.2 Study Assumptions 1.3 Scope Research 2 RESEARCH METHODOLOGY 13 EXECUTIVE 4 MARKET DYNAMICS 4.1 Market Drivers 4.1.1 Increase in demand for lightweight materials in the aerospace and defense industry 4.1.2 Increase in demand for fuel-efficient and light vehicles 4.2 Market Restraints 4.2.1 High cost of raw materials 4.2.2 Environmental concerns 4.1.1 Increase in demand for lightweight materials in the aerospace and defense industry 4.1.2 Increase in demand for fuel-efficient and light vehicles 4.2 Market Restraints 4.2.1 High cost of raw materials 4.2.2 Environmental concerns 4.3 Market Opportunities 4.3.1 New applications in the automotive industry 4.3.2 New applications in the wind energy sector 4.3.3 New applications in the aerospace and defense industry 4.3.4 New applications in the sports industry 4.4 Market Trends 4.4.1 Advancements in composite materials technology 4.4.2 Increase in demand for advanced composite materials 4.4.3 New applications for composite materials 4.4.4 Use of composite materials in the construction industry 4.4.5 Intensity of Competitive Rivalry 5 MARKET SEGMENTATION 5.1 Composite Type 5.1.1 Ceramic Matrix Composites (CMCs) 5.1.2 Metal Matrix Composites (MMCs) 5.1.3 Polymer Matrix Composites (PMCs) 5.1.4 Core Materials 5.1.5 Other Composites 5.2 Fiber Type 5.2.1 Aramid Fiber 5.2.2 Glass Fiber 5.2.3 Carbon Fiber 5.2.4 Other Fibers 5.3 End-user Industry 5.3.1 Aerospace 5.3.2 Defense Industry 5.3.3 Transportation 5.3.4 Marine 5.3.5 Consumer Goods 5.3.6 Other End-user Industries 5.4 Geography 5.4.1 Asia-Pacific 5.4.1.1 China 5.4.1.2 India 5.4.1.3 Japan 5.4.1.4 South Korea 5.4.1.5 ASEAN Countries 5.4.1.6 Rest of Asia-Pacific 5.4.2 North America 5.4.2.1 United States 5.4.2.2 Canada 5.4.2.3 Mexico 5.4.2.4 Rest of North America 5.4.3 Europe 5.4.3.1 Germany 5.4.3.2 United Kingdom 5.4.3.3 France 5.4.3.4 Italy 5.4.3.5 Spain 5.4.3.6 Rest of Europe 5.4.4 South America 5.4.4.1 Brazil 5.4.4.2 Argentina 5.4.4.3 Rest of South America 5.4.5 Middle East: Africa 5.4.5.1 South Africa 5.4.5.2 Rest of Africa 5.4.5.3 Other countries in Africa 5.4.5.4 COMPETITIVE LANDSCAPE 6.1 Key Players in the Advanced Composite Materials Market 6.2 Analysis of Market Share 6.3 Market Growth Dynamics 6.4 Company Profiles 6.4.1 Kolon Industries Inc. 6.4.2 Mitsubishi Chemical Carbon Fiber and Composites Inc. 6.4.3 SGL Group 6.4.4 Teijin Limited 6.4.5 Toray Industries Inc. 6.4.6 Kureha Composite Materials 6.4.7 Hexcel Corporation 6.4.8 Kureha Composite Materials 6.4.8 Koninklijke Ten Cate BV 6.4.9 Mitsubishi Chemical Carbon Fiber and Composites Inc. 6.4.10 Dyneema Formica 6.4.10 SGL Group 6.4.12 Teijin Limited 6.4.13 Toray Industries Inc. 6.4.14 Yantai Tungfeng Advanced Composites Co., Ltd. 6.4.15 Hexion Specialty Materials 6.4.16 DSM Engineering Plastics 6.4.17 Solvay Group 6.4.18 Hyosung Corporation 6.4.19 Kolon Industries Inc. 6.4.20 Thales S.A. 6.4.21 Hexion Specialty Materials 6.4.22 Solvay Group 6.4.23 Hyosung Corporation 6.4.24 Teijin Limited 6.4.25 Dyneema Formica 6.4.26 DSM Engineering Plastics 6.4.27 Thales S.A. 6.4.28 Solvay Group 6.4.29 Hyosung Corporation 6.4.30 Kolon Industries Inc. 6.4.31 Thales S.A.