Middle East & Africa Hybrid Composites Market Forecast to 2028 - Regional Analysis - by Fiber Type (Carbon/Aramid, Carbon/Glass, High-Modulus Polypropylene (HMPP)/Carbon, Ultra High Molecular Weight Polyethylene (UHMWPE)/ Carbon, and Others), Resin (Thermoset and Thermoplastic), and Application (Automotive, Aerospace, Marine, Wind Energy, Sporting Goods, and Others)

Market Report | 2023-10-25 | 146 pages | The Insight Partners

AVAILABLE LICENSES:

- Single User Price $3000.00
- Site Price $4000.00
- Enterprise Price $5000.00

Report description:

The Middle East & Africa hybrid composites market is expected to grow from US$ 28.32 million in 2023 to US$ 43.53 million by 2028. It is estimated to grow at a CAGR of 9.0% from 2023 to 2028.

Rising Use of Hybrid Composites in Wind Energy and Automotive Industries Fuels Middle East & Africa Hybrid Composites Market

Rapid developments in material technology continue to support variations in the structure of wind turbines. Many of these variations were primarily introduced to reduce the prices of turbines. Factors such as corrosion resistance, fatigue resistance, toughness, rigidity, weight, and appearance of wind turbines significantly impact their operations. Glass fiber-reinforced plastics (GRPs) are the most used type of composite material in wind turbine manufacturing. The major benefits of using GRPs include hybrid mechanical properties, high corrosion resistance, high-temperature tolerance, simplified manufacturing, and favorable costs.

Lightweight materials offer excellent potential for increasing vehicle efficiency as their acceleration requires less energy than heavier ones. According to the Office of Energy Efficiency & Renewable Energy, a 10% decrease in vehicle weight can improve fuel economy by 6-8%. Substituting cast iron and traditional steel components with lightweight materials, such as high-strength steel, aluminum (Al) alloys, magnesium (Mg) alloys, carbon fiber, and polymer composites, can reduce the weight of a vehicle

body and chassis by up to 50%, thereby reducing the fuel consumption of a vehicle. The application of hybrid composites in the automotive sector is growing at a significant pace. In this sector, plastics are used in large quantities to produce composites. Hybrid composites have excellent acoustic and thermal properties, which makes them ideal for vehicle interior parts. Furthermore, they are suitable for the manufacturing of non-structural interior components, including seat fillers, seat backs, headliners, interior panels, and dashboards. Therefore, the growing demand for hybrid composites from the automotive industry for the manufacturing of fuel-efficient, lightweight vehicles such as electric vehicles (EVs) is driving the hybrid composites market.

Middle East & Africa Hybrid Composites Market Overview

The Middle East & Africa hybrid composites market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. The growth of the aviation industry due to various government initiatives is among the significant factors driving the demand for hybrid composites in the region as it provides durability and toughness to the aircraft. For instance, on August 14, 2023, the Saudi Arabian government invested US$ 100 billion in the aviation sector to host at least 300 million passengers and 5 million tons of freight by 2030. The aviation industry in the Middle East & Africa is also fueled by rapid industrialization and growth in disposable income, resulting in a surge of passengers opting for air travel. Further, according to the report by International Trade Administration, the UAE government has supported and invested in various initiatives in the aerospace industry, thus increasing the number of partnerships among significant market players and Original Equipment Manufacturers (OEMs). Therefore, the growing aerospace industry in the region boosts the demand for hybrid composites.

Middle East & Africa Hybrid Composites Market Revenue and Forecast to 2028 (US$ Million)

Middle East & Africa Hybrid Composites Market Segmentation

The Middle East & Africa hybrid composites market is segmented into fiber type, resin, application, and country.

Based on fiber type, the Middle East & Africa hybrid composites market is segmented into carbon/aramid, carbon/glass, high-modulus polypropylene (HMPP)/carbon, ultra high molecular weight polyethylene (UHMWPE)/ carbon, and others. The carbon/aramid segment held the largest share of the Middle East & Africa hybrid composites market in 2023.

Based on resin, the Middle East & Africa hybrid composites market is segmented into thermoset and thermoplastic. The thermoset segment held a larger share of the Middle East & Africa hybrid composites market in 2023.

Based on application, the Middle East & Africa hybrid composites market is segmented into automotive, aerospace, marine, wind energy, sporting goods, and others. The automotive segment held the largest share of the Middle East & Africa hybrid composites market in 2023.

Based on country, the Middle East & Africa hybrid composites market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa hybrid composites market in 2023.

Avient Corp, Gurit Holding AG, Hexcel Corp, Lanxess AG, Mitsubishi Chemical Holdings Corp, PGTEX China Co Ltd, SGL Carbon SE, Solvay SA, and Toray Industries Inc are some of the leading companies operating in the Middle East & Africa hybrid composites market.

Table of Contents:

TABLE OF CONTENTS

Middle East & Africa Hybrid Composites Market Forecast to 2028 - Regional Analysis - by Fiber Type (Carbon/Aramid, Carbon/Glass, High-Modulus Polypropylene (HMPP)/Carbon, Ultra High Molecular Weight Polyethylene (UHMWPE)/ Carbon, and Others), Resin (Thermoset and Thermoplastic), and Application (Automotive, Aerospace, Marine, Wind Energy, Sporting Goods, and Others)

Market Report | 2023-10-25 | 146 pages | The Insight Partners

To place an Order with Scotts International:

- - Print this form
- - Complete the relevant blank fields and sign
- - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User Price	$3000.00
	Site Price	$4000.00
	Enterprise Price	$5000.00
	VAT	
	Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	

Address*		City*	
Zip Code*		Country*	
		Date	2025-05-05
		Signature	