

North America Oxy Fuel Combustion Technology Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Offerings (Solution and Services) and End-User Industry (Oil & Gas, Power Generation, Manufacturing, Metal & Mining, and Others)

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Abstracts

The North America oxy fuel combustion technology market is expected to grow from US\$ 164.41 million in 2022 to US\$ 287.80 million by 2028. It is estimated to grow at a CAGR of 9.8% from 2022 to 2028.

Growing Demand for Oxy Fuel Combustion Technology is Fueling North America Oxy Fuel Combustion

Technology Market

The rising air pollution rate across developing countries is influencing the governments and industries across these countries to take initiatives to reduce the same for building a healthy environment for its population. Industrial air pollution is responsible for nearly 20,000 of these deaths, which occur primarily in towns and cities. In Mexico, air pollution is a serious problem, accounting for nearly one-fifth of all deaths (5.9%). It is the eighth leading cause of death after many factors such as unhealthy diet, overweight, high blood pressure, and alcohol and drug consumption. PM2.5 is the most dangerous type of airborne particle, as it can penetrate deep into the lungs. In Mexico City, average concentrations are around 25 g/m. Thus, to minimize the PM-2.5 and other industrial gas emissions to reduce their environmental effects and impact on human health, the demand for oxy fuel combustion technology is expected to increase during the forecast

period.

North America Oxy Fuel Combustion Technology Market Overview

North America is the key regional market, which includes the US, Canada, and Mexico. North America is a hub of technological developments, which results in the growth of various industries in the region, and the same remains the principal factor for driving prosperity, jobs, and innovation. The US and Canada are highly dependent on fossil fuels to fulfill their primary energy demand. Hence, the emission of harmful gases in these countries is high. The largest source of greenhouse gas emissions in the US is human activities that include burning fossil fuels for electricity, heat, and transportation. According to the United States Environmental Protection Agency (EPA), in 2020, the total greenhouse gas emission in the US was 5,981 million metric tons of CO₂ equivalent. Different economic sectors responsible for greenhouse gas emissions are transportation holding 27% of greenhouse gas emissions in 2020; electricity production accounting for 25%; industry accounting for 24%; commercial and residential sectors holding 13%; and agriculture accounting for 11%. Thus, the rapid growth in the above sectors will increase the harmful gas emissions in North America during the forecast period.

Exhibit: North America Oxy Fuel Combustion Technology Market Revenue and Forecast to 2028 (US\$ Million)

North America Oxy Fuel Combustion Technology Market Segmentation

The North America oxy fuel combustion technology market is segmented based on offerings, end-user industries, and country.

Based on offerings, the North America oxy fuel combustion technology market is segmented into solution and services. The solution segment held a larger share of North America oxy fuel combustion technology market in 2022.

Based on end-user industry, the North America oxy fuel combustion technology market is segmented into oil & gas, power generation, manufacturing, metal & mining, and others. The power generation segment held the largest share of North America oxy fuel combustion technology market in 2022.

Based on country, the North America oxy fuel combustion technology market has been categorized into the US, Canada, and Mexico. Our regional analysis states that the US

dominated the North America oxy fuel combustion technology market in 2022.

Air Liquide SA, Air Products & Chemicals Inc, ESA SpA, Falorni Gianfranco SRL, General Electric Co, HeidelbergCement AG, Hitachi Ltd, Jupiter Oxygen Corp, and Linde Plc are the leading companies operating in the North America oxy fuel combustion technology market.

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