HYDROGEN ECONOMY

FROST & SULLIVAN

Global policymakers concentrate on **creating a modern framework to enable the hydrogen economy to blossom** and replace fossil fuels in industrial processes.

The increasing attention on green hydrogen for heating, power generation, storage, transportation, and industrial use is dramatically accelerating its popularity and potential adoption.

In fact, hydrogen is seen as a way to expand national economies, and various countries are ready to allocate funds for its research and development.

WHAT'S **DRIVING GROWTH?**

Growing trends for replacing fossil fuels in the global markets and adopting cleaner alternatives.

Governments' rising investments in hydrogen as a viable option to existing sources of energy.

Increasing infrastructure to enable the emerging hydrogen economy worldwide.

WHAT ARE THE **KEY NUMBERS?**

75%
of hydrogen (200 million tonnes) will be green hydrogen by 2050 according to Frost & Sullivan's forecast.

99%
of the 70 million tonnes of the current hydrogen comes from fossil fuels.

GROWTH **OPPORTUNITIES**

Development of hydrogen storage to ensure electricity supply for industrial and domestic consumption.

Expansion of electrolyzer capacity to scale up the emerging hydrogen economy.

Use of green ammonia as an energy source for industries such as maritime and aviation.

Adoption of fuel cells for power generation and develop an economically viable hydrogen source of energy.