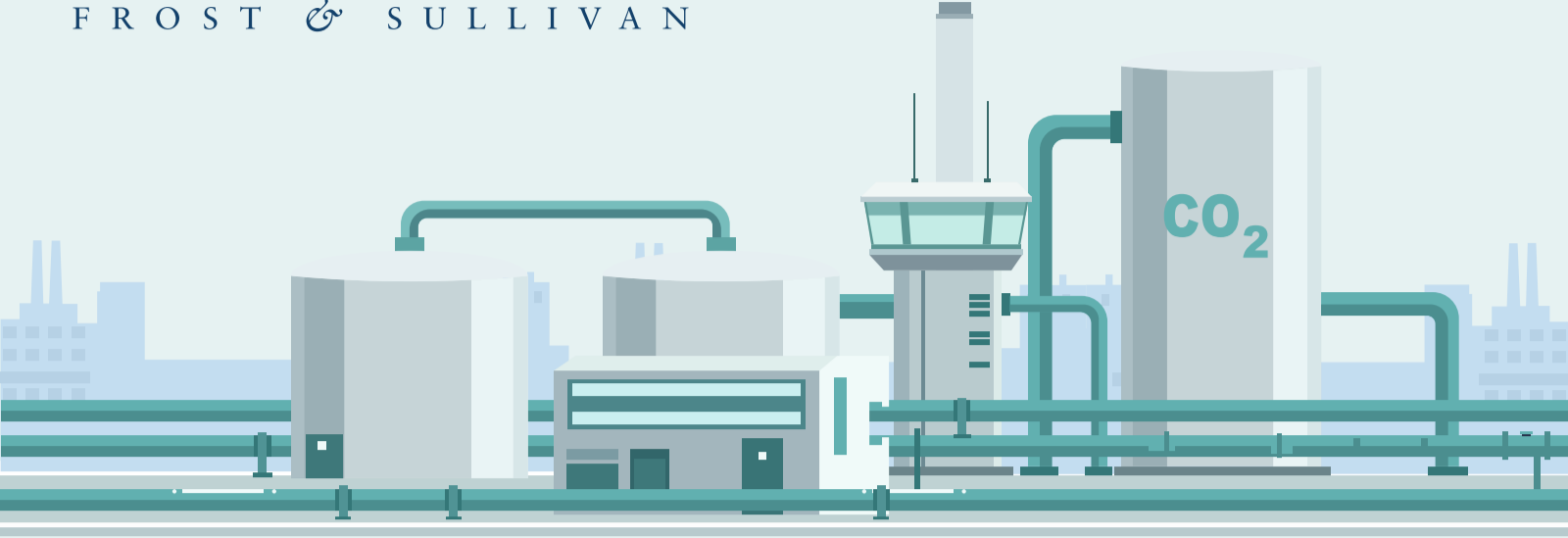




GROWTH GENERATOR: THE CARBON CAPTURE STORAGE INDUSTRY MIDDLE EAST AND AFRICA

Leveraging Hydrocarbon Expertise and Regional Partnerships to Establish CO₂ Storage and Export Hubs

AN EXCLUSIVE REPORT FOR THE WORLD FUTURE ENERGY SUMMIT BY FROST & SULLIVAN



GROWTH METRICS

CCUS: KEY GROWTH METRICS, MIDDLE EAST AND AFRICA, 2025



REVENUE

\$241.4 M

↑ 2025



ANNUAL CAPACITY ADDITION

5.0 MTPA

↑ 2025



AVERAGE PRICE PER TONNE

\$48.3

↓ 2025



REVENUE FOR LAST YEAR OF STUDY PERIOD

\$4.03 B

↑ 2040



COMPOUND ANNUAL GROWTH RATE

19.3%

(2025 – 2040)



NUMBER OF COMPETITORS

40

↑ active competitors in 2024



DEGREE OF TECHNICAL CHANGE

6

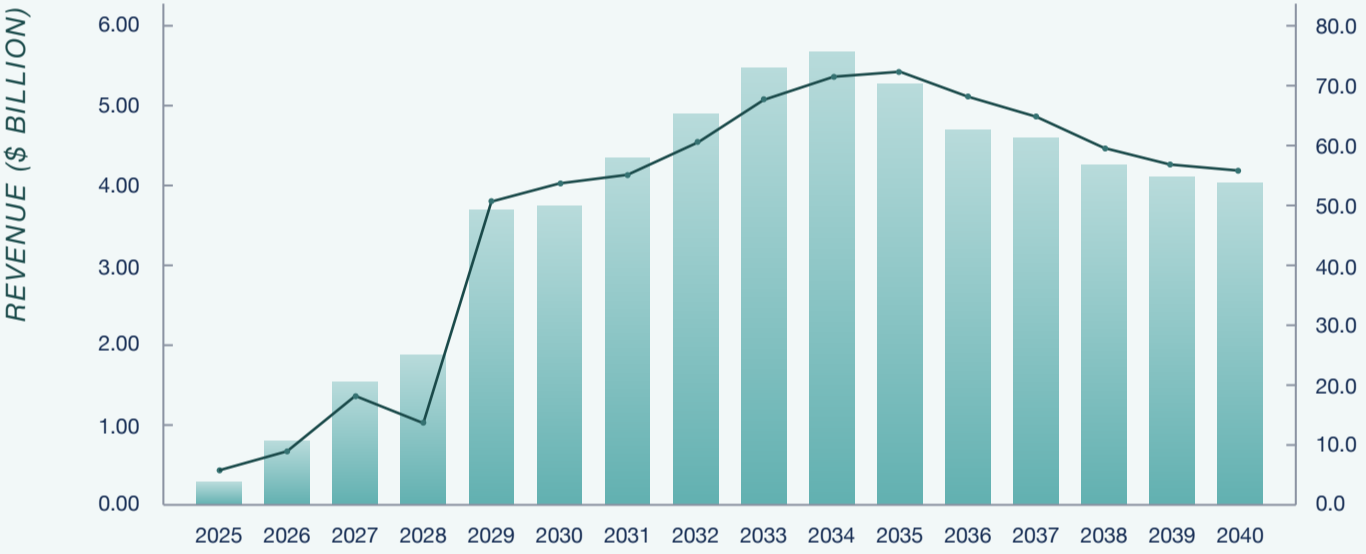
↑ scale: 1 (low) to 10 (high)

Source: Frost & Sullivan Analysis

REVENUE AND ANNUAL CAPACITY ADDITION FORECAST

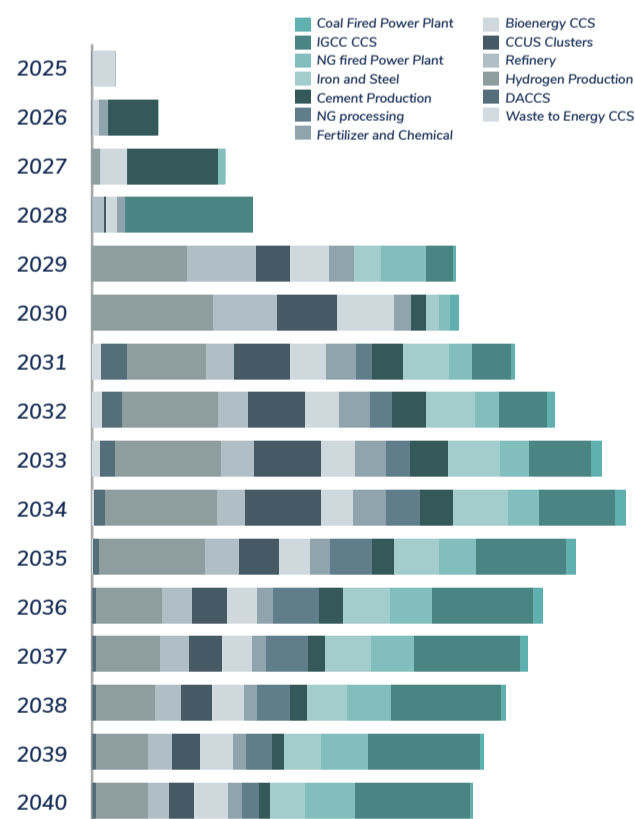
CCUS: REVENUE AND ANNUAL CAPACITY ADDITION FORECAST, MIDDLE EAST AND AFRICA, 2025–2040

REVENUE CAGR, 2025–2040 = 19.3%
ANNUAL CAPACITY ADDITION CAGR, 2025–2040 = 16.3%

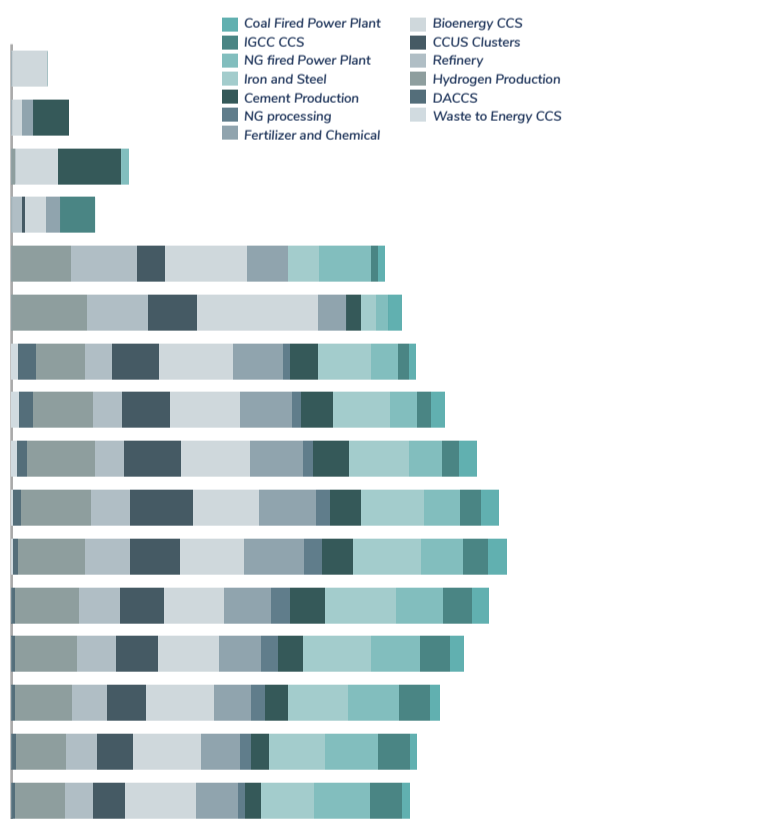


Source: Frost & Sullivan Analysis

REVENUE FORECAST BY END-USER INDUSTRY (\$ BILLION)



ANNUAL CAPACITY ADDITION FORECAST BY END-USER INDUSTRY (MTPA)



Source: Frost & Sullivan Analysis
Note: All figures are rounded. The base year is 2024.
Key: For MEA, the value for 2024 is zero; therefore, value for 2025 is provided instead.

CCUS OPPORTUNITIES: A STRATEGIC PERSPECTIVE



RAPID PROJECT MOMENTUM: CCUS activity is accelerating across the MENA region, with dozens of projects announced or underway, led by the UAE and Saudi Arabia.



OIL AND GAS INCUMBENTS DRIVING DEPLOYMENT: National oil companies and energy majors are leading CCUS development to cut emissions and diversify revenue streams.



EMBEDDED IN NATIONAL DECARBONISATION STRATEGIES: Several Gulf states explicitly include CCUS in net-zero and industrial strategies, supported by sovereign capital and policy backing.



INTEGRATION WITH HYDROGEN AND PETROCHEMICALS: Coupling CCUS with blue hydrogen, ammonia, and petrochemical value chains enables scalable low-carbon product offerings.



RISING POLICY AND STAKEHOLDER ENGAGEMENT IN AFRICA: CCUS discussions are gaining traction through regional forums, improving coordination and early-stage planning.



UNEVEN MATURITY ACROSS AFRICAN MARKETS: A small number of countries are piloting CCUS linked to local industries, while most remain in exploratory stages.



KEY CHALLENGES: High Capex, uncertain commercial models and limitations around infrastructure and transport remain critical to address



INTERNATIONAL FINANCE AND PARTNERSHIPS AS ENABLERS: Climate finance, MDBs, and North-South technology transfer are key to de-risking early CCUS projects in Africa.