

# Global Digital Transformation of Power Plants Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Digital Transformation of Power Plants market size is expected to reach \$ 26973 million by 2032, rising at a market growth of 7.5% CAGR during the forecast period (2026-2032).

Digital Transformation of Power Plants refers to the process of systematically restructuring and intelligently upgrading the entire business process of power generation enterprises, including production operation, equipment maintenance, safety management, fuel management, and business decision-making, by comprehensively utilizing next-generation information technologies such as the Internet of Things, big data, artificial intelligence, digital twins, and 5G. Its core objectives include intelligent operation, smart maintenance, safe production, and efficient management. By building a 'smart power plant' platform, it aims to achieve reduced manpower, cost reduction and efficiency improvement, and controllable safety, thereby promoting the transformation of traditional power generation enterprises into safe, efficient, green, and flexible new power system units.

This report studies the global Digital Transformation of Power Plants demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Digital Transformation of Power Plants, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Digital Transformation of Power Plants that contribute to its increasing demand across many markets.

## Highlights and key features of the study

Global Digital Transformation of Power Plants total market, 2021-2032, (USD Million)

Global Digital Transformation of Power Plants total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Digital Transformation of Power Plants total market, key domestic companies, and share, (USD Million)

Global Digital Transformation of Power Plants revenue by player, revenue and market share 2021-2026, (USD Million)

Global Digital Transformation of Power Plants total market by Type, CAGR, 2021-2032, (USD Million)

Global Digital Transformation of Power Plants total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Digital Transformation of Power Plants market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Mitsubishi Heavy Industries, Tata Consulting Engineers, Hitachi Energy, Siemens Energy, Quest Global, DXC Technology, GE Vernova, ABB, Eaton, Emerson, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Digital Transformation of Power Plants market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Digital Transformation of Power Plants Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Digital Transformation of Power Plants Market, Segmentation by Type:

Operations and Maintenance Transformation

Safety Production Transformation

Fuel Management Transformation

Others

#### Global Digital Transformation of Power Plants Market, Segmentation by Technology:

IoT-Driven

AI-Driven

Digital Twin-Driven

Others

#### Global Digital Transformation of Power Plants Market, Segmentation by Intelligent:

Business Digitalization Type

Integration/Platform Type

Adaptive Type

Others

Global Digital Transformation of Power Plants Market, Segmentation by Application:

Thermal Power Plants

New Energy Power Plants

Others

Companies Profiled:

Mitsubishi Heavy Industries

Tata Consulting Engineers

Hitachi Energy

Siemens Energy

Quest Global

DXC Technology

GE Vernova

ABB

Eaton

Emerson

Futurism Technologies

Happiest Minds

Schneider Electric

General Electric

Yokogawa Electric

CHINA HUANENG GROUP

#### Key Questions Answered

1. How big is the global Digital Transformation of Power Plants market?
2. What is the demand of the global Digital Transformation of Power Plants market?
3. What is the year over year growth of the global Digital Transformation of Power Plants market?
4. What is the total value of the global Digital Transformation of Power Plants market?
5. Who are the Major Players in the global Digital Transformation of Power Plants market?
6. What are the growth factors driving the market demand?

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