

# Japan Digital Engineering Technologies and Ecosystems (Japanese Version with Key English Language Reports)

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Toward the digital twin era, IT vendors and telecom carriers are increasingly focusing on industrial markets. One of the key factors in this area is solving customer issues utilizing data sharing across multiple processes and digital engineering technologies including AI, digital twins/digital threads, big data and analytics, 5G, edge computing, AR/VR, robotics, and OT security. Digital engineering enhances product engineering and operational technologies and transforms industries. IDC's *Japan Digital Engineering Technologies and Ecosystems (Japanese Version with Key English Language Reports)* analyzes Japan's digital engineering technologies and services markets. It also provides quantitative market forecasts of digital engineering and its relevant markets. From 2025, the program covers Internet of Things (IoT) and edge computing forecasts.

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## MARKETS AND SUBJECTS ANALYZED

- Product engineering (PE)/OT
  - Digital engineering–related markets (IoT, industrial 5G, and edge computing)
  - Digital twins/digital threads
  - AI for industrial sites
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## CORE RESEARCH

- Japan Digital Engineering Trends
  - Japan IoT/Edge Computing/Industrial 5G Market Forecasts
  - Japan Digital Engineering Market Enterprise User Survey
  - Japan Digital Twins and Industrial AI Trends
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In addition to the insight provided in this service, IDC may conduct research on specific topics or emerging market segments via research offerings that require additional IDC funding and client investment. To learn more about the analysts and published research, please visit: [Japan Digital Engineering Technologies and Ecosystems \(Japanese Version with Key English Language Reports\)](#).

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## KEY QUESTIONS ANSWERED

1. How can digitalization change PE/OT?
  2. What are the forecasts of digital engineering market sizes?
  3. What are the forecasts of industrial 5G, edge computing, and IoT market sizes?
  4. What are the strategies of competitors?
  5. What are the needs of enterprises working on industrial DX?
  6. What are the trends in digital twins?
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## COMPANIES ANALYZED

This service reviews the strategies, market positioning, and future direction of providers including:

Accenture, Amazon, Cisco Systems, Ericsson, Fujitsu, Google, Hitachi, KDDI, Kyocera, Microsoft, Mitsubishi Electric, NEC, Net One Systems, Nokia, NSSOL, NTT, NVIDIA, OPTAGE, Panasonic,

Rakuten, Samsung, SoftBank, Tata Consultancy Services, TIS, Toshiba, and others.