Digital Engineering and Operational Technology Services

IDC covers hardware, software and semi-conductor product engineering, and operational technology (Industry 4.0) services, which have become increasingly valuable due to the accelerated deployment of digital engineering technologies including the Internet of Things (IoT), Industry 4.0 implementations, AR/VR, computer vision, robotics/autonomous systems, 5G, edge, digital thread/twins, and other next-generation digital technologies. It is anticipated that the *Digital Engineering and Operational Technology Services* CIS will be the foundation for market research related to all technologies that will enable customers to envision and build better technology products/platforms, get their products to market faster, achieve high-end-customer satisfaction, and infuse resiliency into their operations.

MARKETS AND SUBJECTS ANALYZED

- The *Digital Engineering and Operational Technology Services* CIS will analyze the R&D/product engineering processes associated with the creation and management of a product/platform, as well as those services associated with maximizing the life span and optimizing the yield associated with technologically complex products or assets. This research area has become increasingly relevant to customers due to the increased interest and adoption in digital engineering transformation programs. As customers aspire to get their products to market faster and build resiliency into their operations, they are experiencing immense value in their engineering services partner's global infrastructure, diverse digital/engineering talent, domain engineering expertise and experience, technology partnerships, intellectual property, and other attributes. Users of this IDC CIS service will benefit from deeper insights about end-user demand for product engineering services, spending intentions, a worldwide spending forecast, thought leadership related to digital technologies influencing the growth for digital product engineering and operational technology services, services provider coverage, and real case studies, among other topics. This service will analyze existing and new buyers and suppliers not directly associated with the typical IT function. It will include research and development, product development, and pureplay product engineering services vendors. Note: Traditional IT service providers that provide product engineering and OT services will also be analyzed.

CORE RESEARCH

- Worldwide and U.S. Digital Engineering and OT Services Forecast and Analysis
- Worldwide Digital Engineering and OT Services Vendor Competitive Analysis across various related topics
- Impact of Next-Generation Digital Technologies Such as AR/VR/Metaverse, Cognitive Systems/ AI/ML, 5G, and Edge Computing on Engineering and OT Services
- Buyer Adoption Patterns and Spending Intentions for Digital Engineering and OT Services
- Buyer Case Studies and Vendor Profiles of Digital Engineering and OT Services Initiatives
- IDC Surveys: Worldwide Digital Engineering and OT Services; IoT Services

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: Digital Engineering and Operational Technology Services.

KEY QUESTIONS ANSWERED

1. What are the emerging market trends with respect to digital engineering and operational technology services?
2. What strategies are engineering services firms adopting, and how are they adjusting their capabilities to respond to existing and emerging customer needs?
3. Which engineering services firms can best leverage the increasing market demand for digital engineering and operational technology services?
4. How are new digital technologies in combination with traditional engineering services helping customers accelerate their product innovation and build resilient operations?
5. How can buyer organizations evaluate which engineering services providers to consider either for product development or for overall operational technology infrastructure transformation?

COMPANIES ANALYZED

This service reviews the strategies, market positioning, and future direction of several providers in the Digital Engineering & Operational Technology Services market, including:

Accenture, AkkaModis, ALTEN, Altran, Aspire Systems, Atos, Bertrandt, Bosch, Capgemini Engineering, Cognizant, Cigniti, Cybage, Cyient, Deloitte, DXC+Luxoft, eInfochips (an Arrow company), Endava, EPAM, EY, Genpact, GlobalEdge, Globant, GlobalLogic. Happiest Minds, Harman, Hitachi Digital Services, HCL, HPE, IBM, Infogain, Infosys, Infostretch, Innominds, Innova Solutions, KPIT, LTTS, LTIMindtree, Mphasis, Ness, NTT DATA, Pactera, Persistent, PwC, Prolifics, QuEST Global, R Systems, Sasken, SoftServe, Sonata, Talentica, Tata Elxsi, Tata Technologies, Tieto, TCS, Tech Mahindra, Wipro, and Xoriant.

Note: This is not an all-encompassing list.