Worldwide IT/OT Convergence Strategies

AN IDC CONTINUOUS INTELLIGENCE SERVICE

IDC's *Worldwide IT/OT Convergence Strategies* provides insight and thought leadership as they relate to technology shifts, organizational pressures, and market conditions caused by the digital transformation of operational industries such as manufacturing, oil and gas, utilities, healthcare, and retail. The program will focus on the areas of operational data strategies, connectivity and infrastructure in operations, and operational technology (OT). This CIS will provide insight into the transforming business models that are driving the convergence of IT and OT.

Markets and Subjects Analyzed

- IT/OT governance models in manufacturing, utilities, oil and gas, and other industries
- Data historians
- Industrial automation
- Grid and distribution automation
- Upstream production automation
- Digital twins and digital thread
- Industrial edge devices
- Industrial IoT
- Asset management
- Connected worker technologies

Core Research

- Digital Thread: Making Data Accessible, Accurate, and Actionable
- Three Steps to a Converged IT/OT Model
- IT/OT Convergence Survey: Key Findings
- Data Historians for IT
- Edge Analytics on the Grid
- IIoT and Smart Manufacturing
- From Siloed to Holistic Asset Management
- The Role of Edge and Cloud in OT
- Consultants Providing OT and IT 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: Worldwide IT/OT Convergence Strategies.

Key Questions Answered

1. How do you build a converged IT/OT governance model?
2. What part of the organization owns the edge?
3. Who owns the IIoT strategy?
4. What does the consulting landscape look like in a converged IT/OT environment?
5. Is ERP considered IT or OT?
6. Where do data historians fit in an enterprise data strategy?
7. How does an organization advance digital twins from discrete models to a system of systems?

Companies Analyzed

This service reviews the strategies, market positioning, and future direction of several providers in the IT/OT market, including:

ABB, Aveva, C3 IoT, Cisco, Dassault, Emerson, GE Digital, Honeywell, IBM, Infor, Maana, Microsoft, Oracle, OSIsoft, Plex, QAD, Rockwell, SAP, Schneider Electric, Siemens, and Uptake.