



BUILDING INTELLIGENCE INTO CONNECTED EQUIPMENT

Leverage IoT and predictive analytics to create actionable intelligence for industrial equipment assets and operations

Connected Equipment: Cyient's Industrial IoT Offering

Combining the digital and product design experience of more than 250 data scientists and 500 industrial equipment engineers, as well as domain expertise in the mining and oil & gas industries, Cyient harnesses the power of the Internet of Things (IoT) and advanced data analytics to help original equipment manufacturers (OEMs), owners and operators increase operational safety, productivity and reliability. More importantly, we help our clients move away from costly, corrective maintenance toward preventive and predictive maintenance with prescriptive actions. We call this **Connected Equipment**, and we work side-by-side with our clients from the start to build long-term, comprehensive IoT strategies; realize IoT implementation; and achieve sustained value, ROI, and competitive advantage.

With Cyient's Connected Equipment offering, we help OEMs to:

- Deliver new insights on product performance
- Identify problems before they occur using predictive analytics
- Improve design
- Provide better maintenance support to clients
- Deliver enhanced products with superior market performance

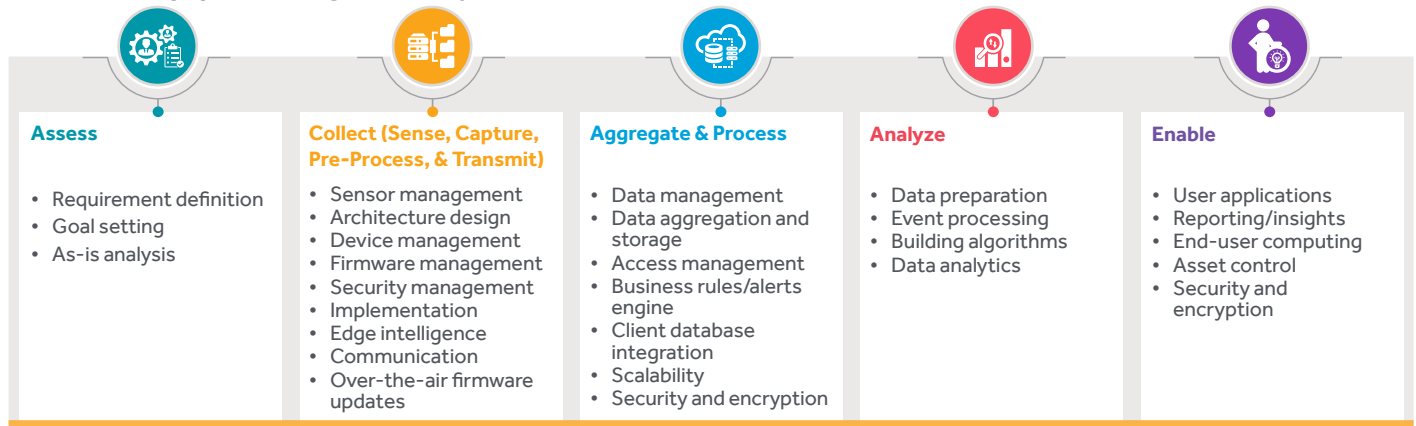
Likewise, equipment owners and operators can:

- Enhance asset management programs
- Reduce unplanned downtime due to equipment failure
- Increase operational safety and efficiency
- Decrease operating expenses

Safer, Smarter, and More Reliable Equipment

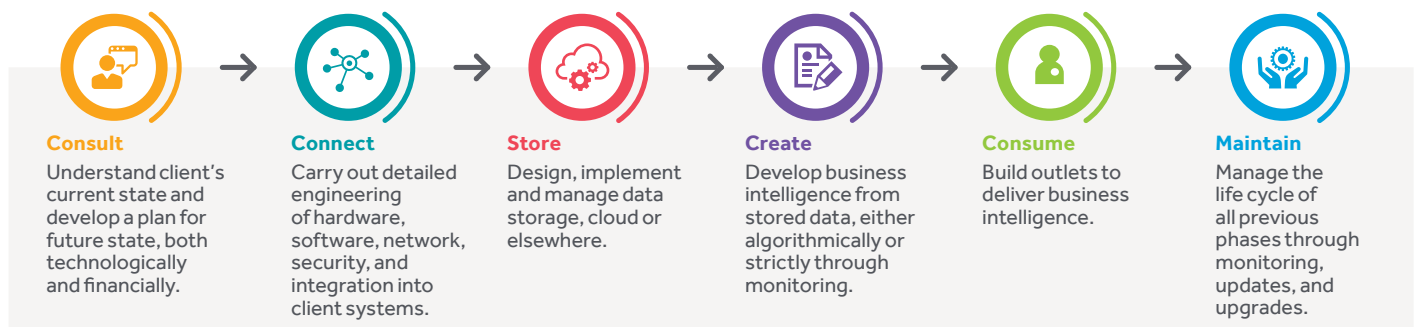
Cyient combines expertise in connected equipment with integration capabilities to enable safer, smarter, more connected, and more reliable machines. We guide OEMs and operators throughout the connected equipment strategy roadmap and the IoT lifecycle by embedding sensors, collecting and transforming data, analyzing data through customized machine learning and artificial intelligence algorithms and, finally, anticipating the right executive, technical, and operational solutions for end users. Our core expertise is helping clients solve business problems by finding creative ways to use their data to predict, diagnose and determine prescriptive actions to address issues within an individual machine and the broader operating environment.

Connected Equipment Insight Journey



Our offering is comprised of six distinct phases.

We engage with our clients throughout all six phases, or augment internal teams to fill in the gaps by engaging in one or more select phases.



The Cyient Advantage

Cyient guides industrial companies in the development of end-to-end connected equipment solutions, from developing a strategic roadmap to supporting the execution process. We are well-versed in consultation, project ownership and management, troubleshooting technical challenges, and providing specialized services to supplement important IoT initiatives. As IoT experts in designing and implementing connected equipment solutions, we offer:

- Product and system knowledge
- Experience in key industries, including mining and oil & gas
- Understanding of end-user operating environments
- Tool-agnostic framework development
- Mature machine learning and artificial intelligence experience
- Automated, optimized analytics model selection
- Background in consultative problem solving
- Full life-cycle development for a connected equipment platform
- Defining ROI to build a solid business case

Customer Value

By integrating targeted equipment data collection and enhanced diagnostics, our connected equipment team of solution architects, hardware and software engineers, network engineers, and data scientists have solved unique operating challenges for clients in the industrial equipment, energy, aerospace, utilities, communication and medical devices industries, helping them to:

- Gain useful insights from installed equipment at customer sites
- Reduce maintenance costs by predicting when and why an asset will fail
- Improve product designs and functionality by monitoring product performance and failure analysis
- Extend asset life with condition-based monitoring
- Reduce warranty claims and optimize spare part inventory costs
- Create a competitive sales differentiator and new revenue streams

Get started with a Connected Equipment consultation.

For more information contact:

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Cyient (Estd: 1991, NSE: CYIENT) provides engineering, manufacturing, geospatial, networks, and operations management services to global industry leaders. As a design, build, operate & maintain partner, Cyient takes solution ownership across the value chain and leverages the power of digital technology and advanced analytics, along with domain knowledge and technical expertise, to solve complex business problems. With more than 15,000 employees in 22 countries, Cyient's industry focus includes aerospace and defense, medical, telecommunications, rail transportation, semiconductor, utilities, industrial, energy and natural resources.

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