accenture
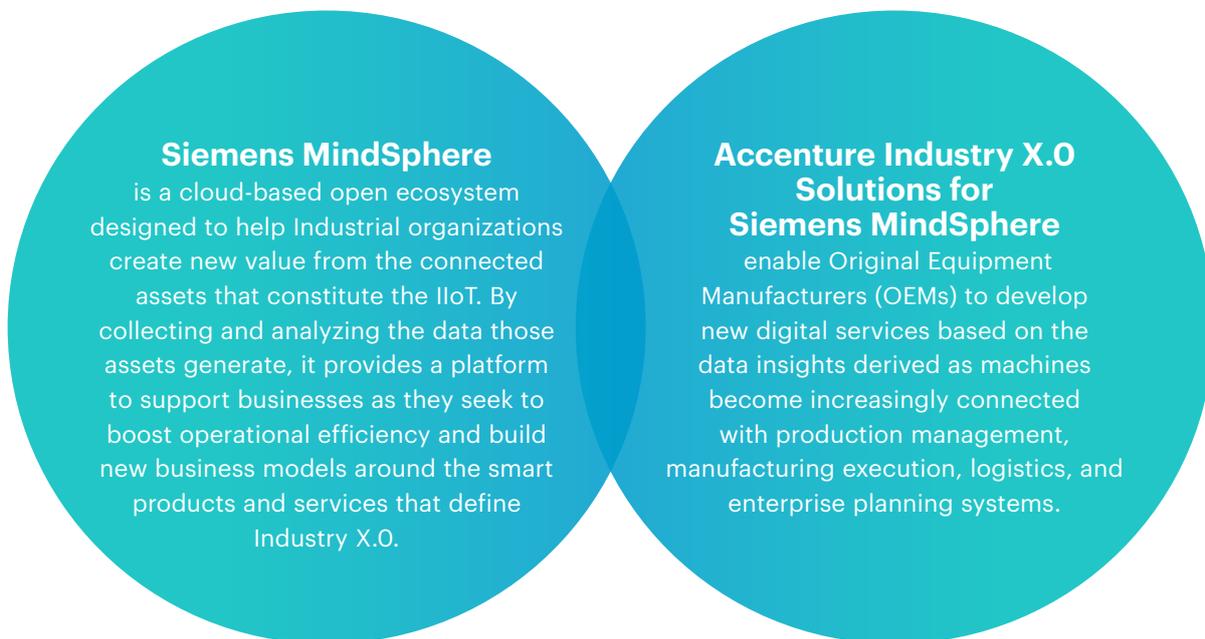
ACCENTURE SOLUTIONS FOR SIEMENS MINDSPHERE

Accenture is partnering with Siemens to create a range of applications on their MindSphere cloud-based platform. Our joint value proposition combines Siemens' leading technology with Accenture's position as a leading platform provider. Clients also benefit from Accenture's deep industry know-how, unmatched global partner network and delivery capability for Industrial Internet of Things (IIoT) cybersecurity programs, and our end-to-end design thinking, consulting, systems integration, and analytics capabilities.

Siemens MindSphere

is a cloud-based open ecosystem designed to help Industrial organizations create new value from the connected assets that constitute the IIoT. By collecting and analyzing the data those assets generate, it provides a platform to support businesses as they seek to boost operational efficiency and build new business models around the smart products and services that define Industry X.O.

Accenture Industry X.O Solutions for Siemens MindSphere

enable Original Equipment Manufacturers (OEMs) to develop new digital services based on the data insights derived as machines become increasingly connected with production management, manufacturing execution, logistics, and enterprise planning systems.

Depending on their specific needs, OEMs can leverage advanced analytics from Accenture to identify and predict performance bottlenecks, make smarter decisions about how to improve asset operations, manage their workforce, optimize supply chain risks, or enhance the product design process.

The Accenture Industry X.O Value Cases

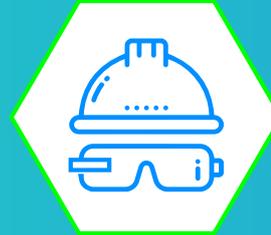| Access & Secure	Find & Track	Enable & Manage	Diagnose & Service	Optimize, Automate & Predict	Monetize
Reduce Identity & Access Mgmt. costs	Maximize field asset utilization and worker safety	Digitize field processes	Reduce downtime	Increase accuracy and reliability of industrial process	Create new revenue streams
Improve accuracy of threat prevention systems	Reduce fleet management costs	Lower IT costs	Reduce service costs	Increase asset utilization and lower field labor costs	Create additional revenue for existing products
Reduce system downtime	Increase traceability and reliability of fulfillment process	Increase operational efficiency	Improve worker safety and prevent injuries	Lower energy costs	Increase customer satisfaction and retention
Improve customer/ visitor intelligence	Improve efficiency of inventory mgmt. process	Create differentiated product lineup and new consumer value proposition	Improve effectiveness and availability of products	Increase efficiency and safety of transit systems	
Increase physical infrastructure efficiency	Increase customer/guest satisfaction and sales		Improve efficiency of business operations		

Connected Supply Chain

Real-time operational visibility in combination with enhanced automation that delivers improvements of up to 30% in efficiency of asset utilization and cash flow, while minimizing inventory, and reducing out-of-stock situations and supply chain errors, leading to total supply chain cost reduction of up to 10%.

Connected Industrial Worker/Smart Glasses

A hands-free support tool providing real-time access to critical data and (via video) supervisors in other locations can boost productivity by up to 30% and reduce errors by 80%, as well as enhance safety and better engage the workforce. An award-winning solution[1].

Connected Industrial Worker/Augmented Reality Glasses

A mixed-reality solution for Microsoft HoloLens provides engaging, interactive, in-field training that reduces errors and operating costs, accelerates delivery, improves accuracy, and increases productivity and equipment uptime.

Connected Mine

Leverages mobile, tracking, cloud and analytics technologies to boost throughput and profitability by up to 25%, improving planning, uptime, productivity, and safety by providing real-time asset location and utilization data and real-time alerts for managers and supervisors.

Connected Asset Management: Overall Equipment Effectiveness Monitor

Omni-channel visibility into production parameters, including benchmarking of actual values vs. planned values and deviation alerts. Increases capital efficiency, reduces operational risk and operating costs, and delivers root-cause insights to enable effective counter measures in case of losses.

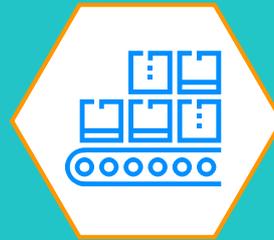## Connected Asset Management: Quality Monitor

Omni-channel, actionable insights into production quality issue alerts when risk of failure is significant.

[1]Solution implementation for a European telco won GSMA's Global Mobile Award for "Best Mobile Service for Enterprise" in 2016

Connected Asset Management: Availability Monitor

Omni-channel visibility into production availability provides the means to improve operational effectiveness and cut operational costs by reducing outages and boosting utilization rates.

Connected Asset Management: Performance Monitor

Omni-channel visibility into production equipment performance provides insights into effectiveness and the means to improve it while reducing operational costs.

Connected Asset Management: Predictive Maintenance

Leverages machine learning and historical data from embedded sensors to provide early insights into the health of assets, including required maintenance measures and how to time them. By enabling an optimal maintenance plan and integrating with ERP software to allow predictive spare parts ordering, it can reduce maintenance costs by up to 30% and breakdowns by 70%.

Connected Transport / Fleet Management

Telematic services allow vehicle tracking (and forklift management) in real-time to better manage logistics processes and improve driving behaviors, thereby reducing operational and insurance costs and boosting operational efficiency.

Connected Building

Heating, Ventilation and Air Conditioning (HVAC) analytics provide actionable insights into building performance for facility managers and engineers. Root-cause analysis enables predictive maintenance, enhances occupant's comfort and real estate values, and can reduce total energy consumption by as much as 15%.

The convergence of Operational Technology (OT) and Information Technology (IT) systems means that OEMs now have timely and continuous visibility into their assets and equipment. But deriving actionable insights from that visibility can be challenging. The **Accenture Industry X.O Solutions for Siemens MindSphere** leverage Accenture's vast experience in Industrial analytics, data monetization and the IIoT, as well as our unparalleled end-to-end capabilities, to help Industrial organizations make the best use of the MindSphere platform and ensure that their production data contributes to the success of the business.

ABOUT ACCENTURE

Accenture is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology and operations. Combining unmatched experience and specialized skills across more than 40 industries and all business functions – underpinned by the world's largest delivery network – Accenture works at the intersection of business and technology to help clients improve their performance and create sustainable value for their stakeholders. With approximately 401,000 people serving clients in more than 120 countries, Accenture drives innovation to improve the way the world works and lives. Visit us at www.accenture.com.