

Connect, collect, and analyze production data to drive production decisions, and augment human intelligence with machine intelligence to improve performance and safety.

Common project archetypes



Asset productivity

Optimize factory operations for OEE* and production agility



Quality management

Improve quality with real-time, automated quality monitoring



Predictive maintenance

Reduce unplanned downtime and optimize maintenance



Factory scheduling

Coordinate factory resources for optimized manufacturing



Work redesign

Optimize human/tech collaboration



Model-based enterprise

Simulate product life cycle events through digital models



Material movement

Automate warehouse operations



Sustainable operations

Improve energy efficiency, reduce carbon, and minimize waste

Expected outcomes



Improved asset efficiency



Improved quality



Reduced cost



Improved safety and sustainability

Contact us



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How we help accelerate transformation today

- Deloitte's [Global Smart Factory network](#) blends physical and virtual experiences to help digital production and supply network
- Accelerate manufacturing analytics with Deloitte's [IntelligentOps™](#) platform powered by AWS

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- [The Smart Factory by Deloitte](#)
- [2025 Manufacturing Industry Outlook](#)
- [Decarbonization in Energy and Manufacturing](#) and [Sustainable Manufacturing](#)

Plan the right service, optimized to deliver at the right time, with the right parts and technicians positioned in the right place.

Common project archetypes



Inventory Management

Optimize part inventory to reduce shortages and increase performance



Predictive Maintenance

Forecast demand for parts and services with dynamic models



Integrated supply Chain/S&OP

Plan supply, mitigate shortages, and manage pricing with parts data



Engineering collaboration

Integrate engineering design and modernization with aftermarket



Connected Customer

Tailor customer experience with e-commerce and detailed product info



Optimize MROU*

Maximize asset throughput with analytics, reporting, and dynamic resource allocation



Command Center

Capture actionable data-driven insights from across the aftermarket



Digital network Of action

Coordinate processes and actions derived from the command center

Expected outcomes



Improved spare part availability



Reduced customer wait time



Compressed MROU* span time

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How we help accelerate transformation today

- Deloitte's industry-leading **connected assets and smart parts implementation methodology** increases your project's lifetime value
- **Proprietary analytics and reporting tools** can provide real-time demand visibility and actionable insights
- Use Deloitte's best-in-class **artificial intelligence frameworks** to optimize and enhance your customer service

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- [Deloitte Dbrief: Connect Aftermarket, Smart Factory Outside the Factory](#)
- [Aftermarket Services: Transforming manufacturing in the wake of the COVID-19 pandemic](#)

Modernize utility networks through digitization to save costs, sustain differentiation, and build customer loyalty in an increasingly competitive environment.

Common project archetypes



Decarbonization

Design and implement business/operating models to decarbonize



Edge

Design the embedded compute and analytics enabling decentralization



Operations

Rethink capability mix to enhance reliability, resilience, and customer satisfaction



Innovation

Advance performance in an accelerated fashion using a proven approach



DERs

Plan and implement IT/OT, data, and AI for decentralized ops



Planning

Transform end-to-end planning processes to ensure supply at an acceptable cost



Regulatory

Structure regulatory filings and grant applications



Strategy

Deliver end-to-end business strategy tailored to the dynamic utility sector

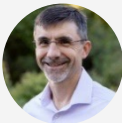
Expected outcomes

-  **Improved reliability**
-  **Improved resiliency**
-  **Improved customer satisfaction**
-  **Increased O&M* and asset efficiency**

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How we help accelerate transformation today

- AI-enabled [vegetation management, field services](#), and inspection help organizations visualize and manage risk
- [Managed Extended Detection and Response \(MXDR\)](#) by Deloitte Electrified Grid provides 24/7 visibility and mitigation to utility networks
- Proprietary process libraries **for ADMS, next-gen AMI, and T&D** quickly inform and upskill client IT teams to make informed decisions on utility infrastructure

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- [Carbon-proofing the grid: Increasing renewables & resilience](#)
- [2025 Power and Utilities Industry Outlook](#)
- [Energy Storage on the Electric Grid](#)
- [Enabling the clean energy transition with next-gen AMI](#)

Manage the flow of products and resources in logistics networks to increase productivity, traceability, and accuracy.

Common project archetypes



Coordinate logistics strategy

Obtain strategy and insights for network optimization, warehouse layouts and automation design, and process simulation



Implement warehouse management system

Manage and control daily warehouse operations and track material within the warehouse



Implement transportation management system

Coordinate transportation logistics and material movements outside of the warehouse



Manage robotic solutions

Augment human abilities by using technology that helps with completing repetitive tasks such as receiving, cycle counting, etc.

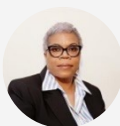
Expected outcomes

-  Improved Product traceability
-  Increased labor productivity
-  Improved inventory accuracy
-  Reduced carbon footprint

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How we help accelerate transformation today

- Deloitte's [Smart Factory @ Montreal](#) is accelerating the adoption of smart warehousing technology by offering simulations, demos, workshops, and more
- Proprietary **WMS and TMS tools** to streamline and speed up the implementation process
- **Preconfigured network strategy templates** to reduce the time and complexity of network strategy projects

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- [Deloitte Dbrief: How to drive efficient warehousing](#)
- [WMS Implementation: Ramp-up Planning Best Practices](#)
- [Transforming Fulfillment Operations with Generative AI](#)
- [Lights-Out Warehouse Automation](#)

Develop advanced planning solutions to balance supply, demand, and inventory and optimize long-range supply chain planning.

Common project archetypes



Advanced planning tool

Deploy an advanced planning tool to help aggregate key demand/supply data points and balance constraints using “what-if” scenario planning



Process design

Design end-to-end SIOP* process to drive key actions, provide risk escalation and resolution plans, and ensure data integrity



Financial planning integration


Integrate financial long-range planning and business development activities into traditional supply chain and operations functions





Supplier capacity integration

Deploy necessary tools and processes to collect updated supplier capacity data to inform the long-range plan

Expected outcomes

 **Improved on-time delivery**

 **Reduced part shortages**

 **Increased customer trust**

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How we help accelerate transformation today

- Deloitte’s industry-leading tools, such as [SupplyHorizon](#), [Supply Chain GenAI Planning Assistant](#), and [Supplier 360](#), drive analytical, algorithmic insights for clients
- Close working relationships and trusted, established partnerships with tried-and-true platforms like [Kinaxis](#) and [Anaplan](#) that drive effective solutions

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- [Creating Supply Chain Resiliency in a Post-Pandemic World](#)
- [Digital Supply Chain](#)
- [AI & Robotics In Supply Chain](#)