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DXC Manufacturing Solutions for Microsoft Dynamics 365

Introduction and Overview

"new DXC"

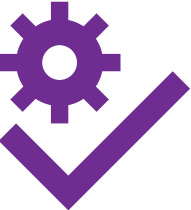# DXC Manufacturing Solutions for Microsoft Dynamics 365

Digital transformation in the manufacturing industry is being driven by disruption. Digital transformation involves deploying various new technologies and practices, like artificial intelligence (AI), machine learning (ML), agile processes, data analytics and the internet of things (IoT), to foster greater collaboration internally, as well as with suppliers and customers.

DXC Manufacturing Solutions for Microsoft Dynamics 365 is a set of intelligent business applications that helps you run your entire business and deliver greater results through predictive, AI-driven insights.

DXC Manufacturing Solutions for Microsoft Dynamics 365 is seamlessly integrated with Microsoft's entire technology stack, including its solutions for IoT, productivity, cloud and data for end-to-end digital transformation across your whole business.

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DXC's Microsoft Business Applications at-a-glance

#1
Largest independent Dynamics SI

1 Team
1 single global team for project implementations

4,000+
active Dynamics clients

20
years of Dynamics implementation experience

~1,800
Dynamics resources worldwide

2020
Microsoft Partner award for Power Apps & Power Automate

24x7x365
unlimited support calls follow the sun

20 consecutive years
Microsoft Inner Circle Member

300+
Microsoft certifications

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Recent Microsoft awards

- 2020/2021 Inner Circle for Microsoft Dynamics (20 consecutive years)
- 2020 Business Applications PowerApps and Power Automate US Partner of the Year
- 2020 Partner of the Year Proactive Customer Service (finalist)
- 2020 Partner of the Year - Retail (finalist)
- 2019 Dynamics 365 for Customer Service Partner of the Year (finalist)
- 2019 Dynamics 365 for Talent Partner of the Year (finalist)
- 2018 Consulting & SI Office 365 Usage Partner of the Year
- 2018 Dynamics Customer Service Partner of the Year
- 2018 Health Partner of the Year (finalist)
- 2018 Dynamics 365 for Field Service Partner of the Year (finalist)
- 2018 Dynamics 365 for Talent Partner of the Year (finalist)
- 2017 Dynamics Service Partner of the Year - Global
- 2017 Dynamics Industry Partner of the Year - Global
- 2017 Dynamics Service Partner of the Year, Canada
- 2017 Data Platform & Analytics Partner of the Year Award, New Zealand
- 2017 Dynamics Service Partner of the Year, United Kingdom

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DXC Services and Solution Overview

Consulting Services

Implementation Services

Advisory Services

Business Process Transformation

Business Model Innovation

Re-Imagine your business with DXC and Microsoft

Intelligent Supply Chain

Intelligent Asset Management

Migration to the Cloud

Managed Services
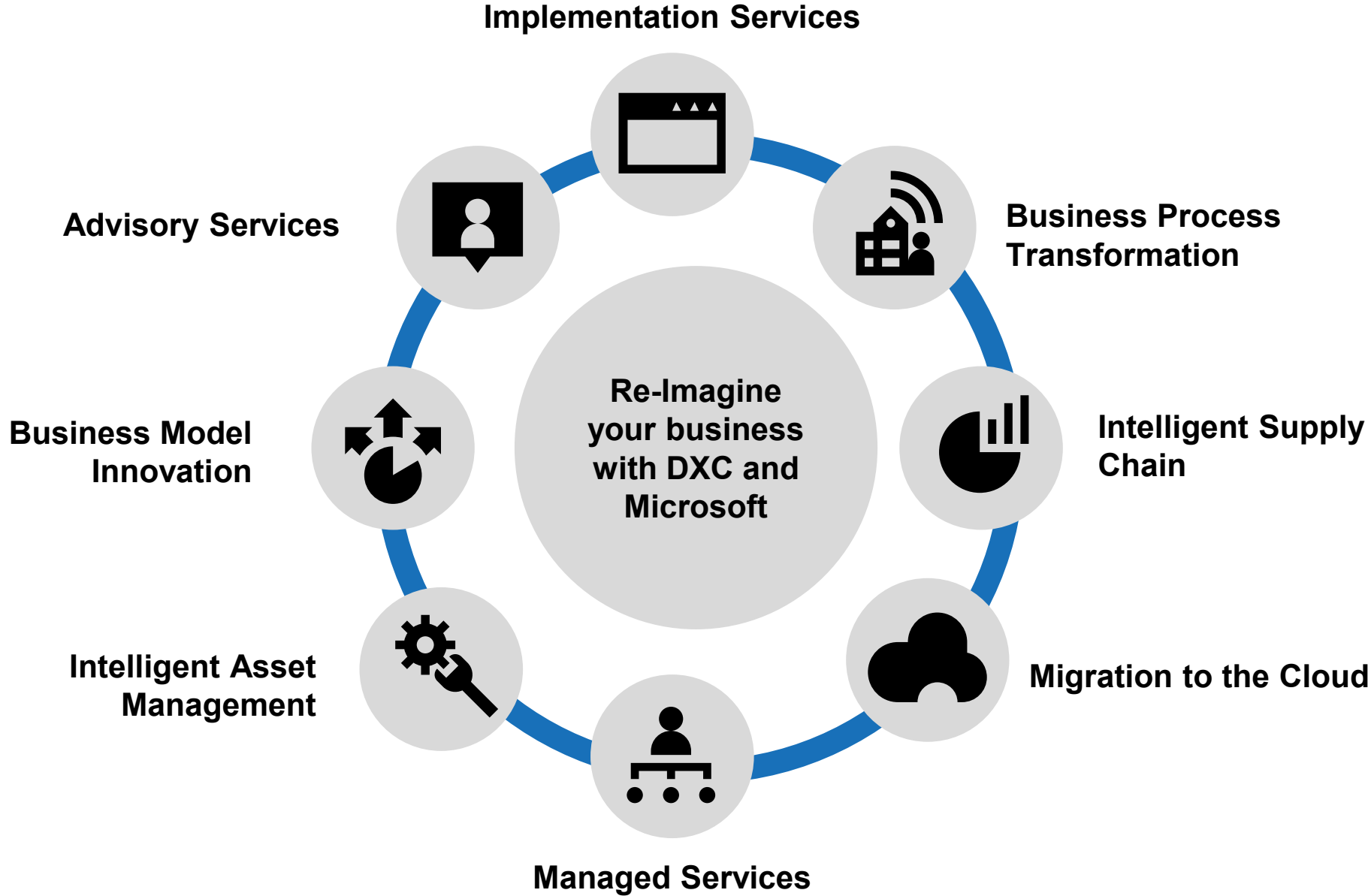
Build agile manufacturing and distribution processes

DXC Manufacturing Solutions for Microsoft Dynamics D365

- Designed to enable discrete, process and project manufacturing, DXC Manufacturing Solutions for Microsoft Dynamics 365 empowers employees and organizations with the ability to obtain a unified view of inventory, warehouse, manufacturing, and logistics with predictive analytics that turn data into insights to support better strategic decisions.

The Connected Business Cloud

- Bring together enterprise resource planning (ERP) and customer relationship management (CRM) cloud offerings into one cloud service for manufacturers with specific, purpose-built applications for key business processes with Microsoft's Business Cloud

IoT, Artificial Intelligence (AI), Machine Learning (ML), Predictive Maintenance, RPA, Mixed Reality (ML)

Driving the Transformation from Reactive to Predictive Operations

- Gain planning agility to fulfill customer demand
- Optimize inventory and logistics
- Innovate with intelligent manufacturing operations
- Resolve product quality issues and accelerate time to market
- Maximize asset uptime and longevity

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Dynamics 365 & DXC Solutions for Manufacturing

Workloads	Microsoft Dynamics 365 Features List for Manufacturing				DXC Industry Solutions
Product Information/Lifecycle Management	Product Information	Product Lifecycle Management	Change Management	Catalog Management	**DXC Process Industries Solutions:** • DXC Extended Production Handling • DXC Advanced Customer Approval • DXC Shipping Packaging Management • DXC Product Documentation Management • DXC Vendor Quality Management, DXC Quality and Sample Management • DXC Label Extensions for Warehouse Management • DXC Product Data Management Extensions • DXC Information Display for Batch Products
Master Planning	Demand Forecasting	Planning Optimization	Capability & Resource Scheduling	MRP, MPS, CRP	
Sales Order Management	Omni Channel Order Management	Promotions & Rebates	Product Configuration	Trade Agreements	
Procurement/Sourcing	Vendor Collaboration	Vendor Portal	Agreements	Purchasing	
Logistics	Transportation Management	Inbound Logistics	Delivery Management	Route Management	**DXC Project Industries Solutions:** • DXC Advanced Project Management • DXC Advanced Vendor Catalog
Warehouse Management	Mobile WMS	Machine Learning	Kanban Management	Rules Based Processing	DXC PLM/PDM Interface
Manufacturing	Discrete, Process & Lean MFG	Production Control & Reporting	Shop Floor Control	Quality & Compliance	DXC Homebuilder One
Field Service	Asset Hierarchies	IoT Connectivity	Predictive Maintenance	Scheduling Board	DXC Framework for MFG and Construction Industries DXC Construction and Building Management

Common application platform: PowerApps, Power Automate, Common Data Service

Azure IoT, Azure Machine Learning, Azure Digital Twins

Benefits

DXC Manufacturing Solutions for Microsoft Dynamics 365 helps manufacturers on their digital journey using Industry 4.0 approaches and technologies. Benefits include more agile production, improved efficiencies and margins and a move toward a sustainable and resilient supply chain.

Supply Chain Optimization
Improve delivery by using predictive analytics to optimize and automate inventory, warehousing, fulfillment, material sourcing and supply chain logistics

Increase agility
Accelerate innovation and respond quickly to quality issues, changing customer specifications and obsolete parts to ensure compliance and mitigate delays

Reduce downtime
Reduce equipment downtime, improve overall equipment effectiveness and maximize longevity by performing proactive maintenance

Reduce operating costs
Build smart factories and agile manufacturing processes with predictive technologies, IoT and mixed reality to improve throughput, quality and delivery while reducing costs

Gain intelligence
Predict demand using AI and deliver products on time by planning supply and production in near real time, ensuring the right resources are in the right place

Empower employees
Improve productivity by providing your employees with familiar tools, guided processes, access to the information they need when they need it and the ability to easily collaborate with others

Delivery Methodology

Our proven methodology

Measures, Outcomes & Engagement Phasing

BUSINESS STRATEGY → SOLUTION ENVISIONING → ANALYSIS → DESIGN → BUILD & DEVELOP → DEPLOYMENT → OPERATION → CROSS-PHASE PROCESSES

Organizational Change Management

Project Management and IT Excellence

Business Process Improvement
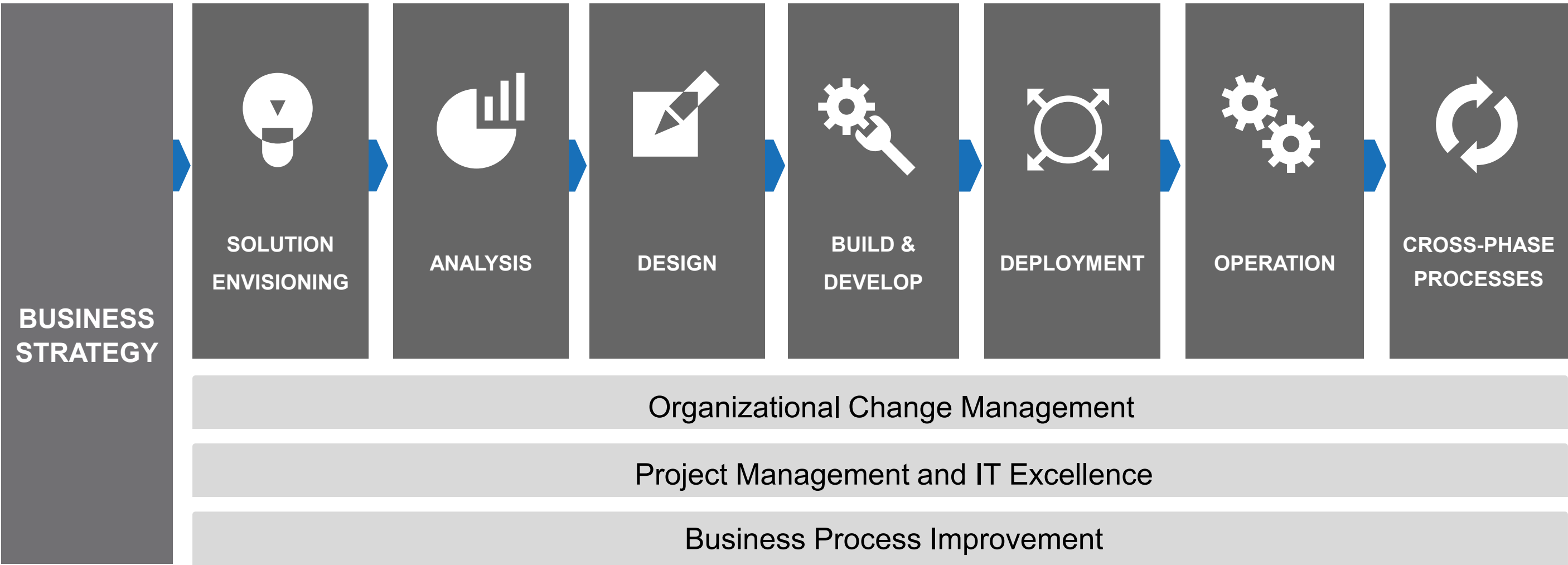
*Key Activities & Deliverables vary by engagement

End-to-end implementation methodology

Phase	SOLUTION ENVISIONING	ANALYSIS	DESIGN	BUILD & DEVELOP	DEPLOYMENT	OPERATION	CROSS-PHASE PROCESSES
Key Activities by Phase	• Sales Lifecycle Engagement • Business Needs Analysis	• Project Initiation • Concept Training • Scope & Requirements	• Design Workshops • Simulation (Design Confirmation)	• Configuration • Data Migration • Security • Key User Training • Development • User Acceptance Testing • User Documentation	• Create Production Environment • End User Training • Cut Over Planning and go live checklist	• Go Live Support • Post Implementation Review • Transition to Support • Transition to Customer Success	• Project Planning and Quality Assurance • Environment Management • Reporting/BI • Data Migration • Test Planning • Integrations • Security

*Key Activities & Deliverables vary by engagement

Sample deliverables
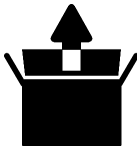
Plan	Define & Analyze	Develop	Release
• Product backlog • Sprint backlog • Sprint plan • Project management and resource plans	• Functional and technical scope • Functional requirements document • User stories • Fit gap analysis • Payment approach • Business process maps and workflows • Test strategy • Solution architecture • Training strategy • Integration and interface requirements • Data migration strategy	• Installation and environment installation • Functional design document • Technical design document • System environments • System configuration and customization • Integration and interface code • Data migration scripts • Test cases and scripts • Test results • Production operations guide • Implementation plan • Training materials • Product increment release to production	• End user training • Product increment released to production