

Accelerate manufacturing throughput

DXC Digital Thread

Transform and light up your value chain by tying processes and data sources together.

Benefits

- Reduce costs, profitably launch new programs, improve efficiency, streamline processes and ensure timely throughput and delivery
- Integrate product design, manufacturing, supply chain and aftermarket service processes and systems by leveraging digital twins, smart factory and digital supply chain models
- Gain timely, integrated views of overall design, manufacturing and aftermarket performance for continuous improvement and better decision making

A major issue for any aerospace and defense (A&D) manufacturer is the design-to-production timeline. Delays can mean heavy fines and lost revenue.

To speed up manufacturing throughput, many A&D companies, including global original equipment manufacturers (OEMs) and suppliers, are investing in the digital transformation and integration of their value chains. They are tackling issues caused by supplier fragmentation, proliferation of “mom and pop shops” and a lack of process optimization — namely, fragmented processes and systems, poor integration, and lack of visibility across the whole manufacturing process.

Because of these issues, valuable data is often stuck in silos, rather than woven into a comprehensive web of information that could guide decision making and accelerate processes throughout the product life cycle.

Consequently, in addition to changing business practices and culture, A&D companies face data-related challenges such as integrating digital data through standards, building trust in a digital master and creating reliable analytics tools.

Integrate the complexity

Manufacturing, program and supply chain leaders responsible for manufacturing strategy and operational performance in your company

need timely visibility into overall manufacturing and aftermarket support activities.

DXC Digital Thread provides this visibility. Our solutions address the complexity of people, locations and equipment — even if they aren’t connected across the organization — to “light up” the value chain and accelerate manufacturing throughput.

We tie the core components of the A&D value chain together to create a Digital Thread that helps you access, integrate and transform disparate data into actionable information, particularly in terms of performance and cost. DXC Technology will rethink product data management, enabling process and product data to flow freely from one step of the manufacturing/supply chain process to another.

This integrated, end-to-end view helps you reduce costs, profitably launch new programs, improve efficiency, streamline processes and ensure timely throughput and delivery.

Leverage our expertise

DXC defines, implements and manages your Digital Thread platform and integrates your product design, manufacturing, supply chain and service management capabilities. You can start small and gradually enlarge your DXC Digital Thread, leveraging our scale, track record and partner ecosystem.

DXC Digital Thread services include:

- **Industry consulting.** We tap our deep industry expertise to assess, design and implement Digital Thread and Smart Factory roadmaps, reference architectures, process transformation (product life-cycle management, manufacturing execution system, supply chain management) and governance models.
- **Solution design and implementation.** Our design and implementation of best-of-breed Digital Thread platforms leverage DXC's vast offering portfolio (Analytics, Security, Application Services, Enterprise Cloud and Applications, Workplace & Mobility) and our A&D partner ecosystem.
- **Operations.** Ongoing support for your Digital Thread platform exploits our global delivery capabilities and A&D track record.
- **Security consulting, cyber maturity assessment.** We provide industry-specific security consulting capabilities to conduct a maturity assessment and build and implement a security roadmap.
- **Industrial internet of things (IIoT) and operational technology (OT) solutions.** We deliver solutions that harness the latest technology and our IoT use cases, IT/OT integration capabilities, OT security capabilities and partner ecosystem.

Boost business outcomes

The benefits of deploying a Digital Thread include:

- Faster manufacturing throughput and improved program performance to get orders out more quickly and on time
- Lower total cost of manufacturing operations
- Timely visibility into overall design, manufacturing and aftermarket performance to create a continuous improvement cycle and enhance decision making
- Improved connectivity and transparency with third-party suppliers that are often part of a long and fragmented supply chain

Outcomes for DXC clients have included:

- 45% increase in customer due date performance, eliminating \$8.7M per quarter in late delivery fines
- \$151M of capital freed up by aligning supply chain inventory
- 12% reduction in scrap and drop-off steel, resulting in savings of \$66,156 per day
- 12-fold increase in throughput with the same equipment and labor footprint
- 35% increase in productivity by reducing unplanned work stoppages and machine downtime events

Why DXC?

- **Experience well beyond proofs of concept (PoCs).** We draw on our deep A&D industry experience to share detailed knowledge of actual use cases and deployments at scale.
- **DXC partnerships.** Our technology independence and unique approach for assessing, engaging and governing our partners allow us to quickly combine the best skills and technologies into complete solutions that leverage our partners' R&D investments.
- **Unique transformation capabilities.** DXC is uniquely positioned to execute complex transformation projects covering any geography. We integrate our expertise with multiple technology partners and assets to provide a proven transformational approach to change.
- **Trusted leader.** More A&D companies trust DXC to provide their IT services than any other company.

Learn more at
www.dxc.technology/dt

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About DXC Technology

As the world's leading independent, end-to-end IT services company, DXC Technology (NYSE: DXC) leads digital transformations for clients by modernizing and integrating their mainstream IT, and by deploying digital solutions at scale to produce better business outcomes. The company's technology independence, global talent, and extensive partner network enable 6,000 private and public-sector clients in 70 countries to thrive on change. DXC is a recognized leader in corporate responsibility. For more information, visit **www.dxc.technology** and explore **thrive.dxc.technology**, DXC's digital destination for changemakers and innovators.