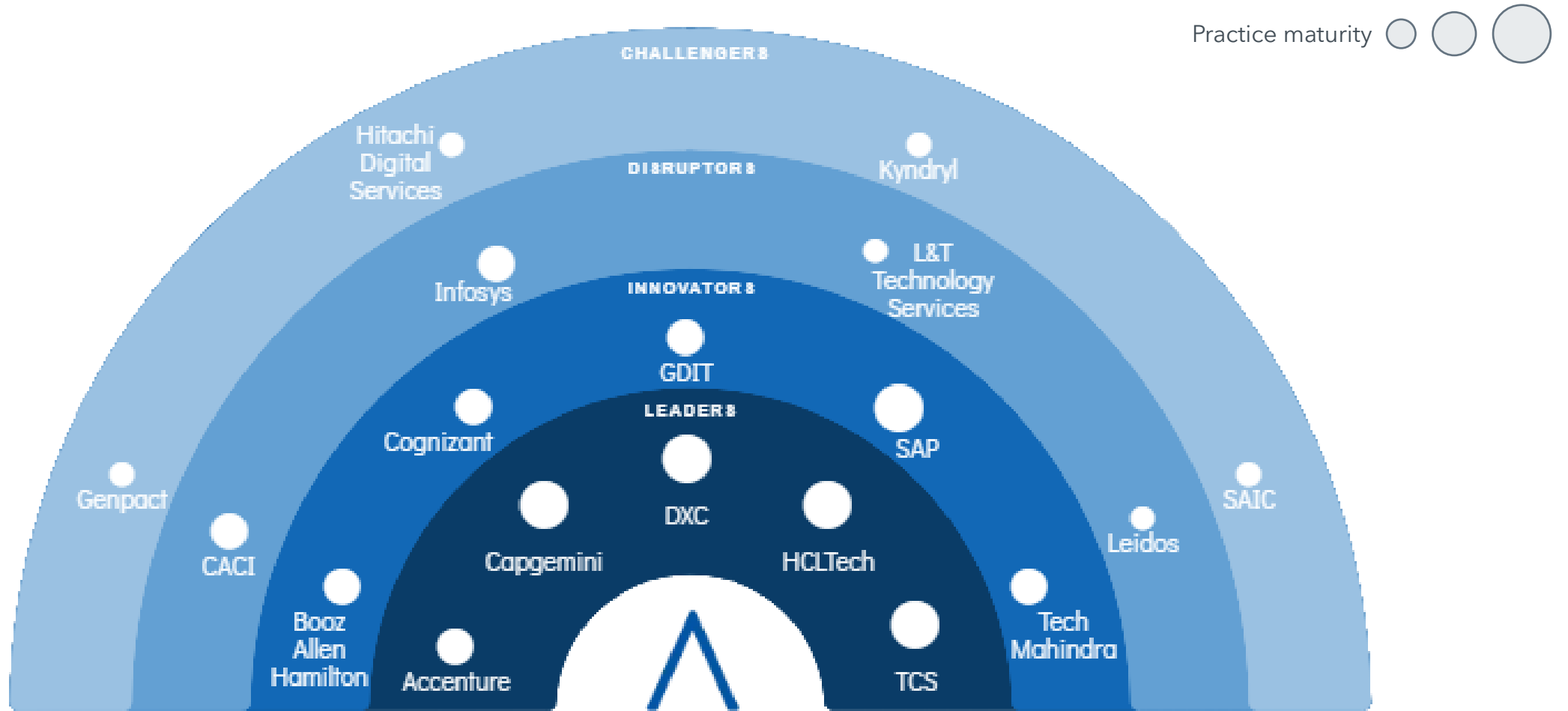# Aerospace and Defense Digital Services 2024 RadarView™

Service Provider Profile

December 2024

Avasant recognizes 18 top-tier service providers supporting the Aerospace and Defense industry in digital transformation

Practice maturity

Note: Please refer to Avasant's *Aerospace and Defense Digital Services 2024 Market Insights* for detailed insights on enterprises and demand-side trends.

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DXC Technology: RadarView profile

Practice maturity ⭐⭐⭐⭐⭐

Investments and innovation ⭐⭐⭐⭐⭐

Partner ecosystem ⭐⭐⭐⭐⭐

Modernizes IT systems, increases cyber resilience, and delivers manufacturing services for the A&D industry, with focused capabilities for defense customers.

Practice overview

- Practice size: ~10,000
- Active clients: N/A
- Delivery highlights: 40+ delivery centers worldwide

$1B–$2B	40%–60%
Revenue from A&D industry, FY 2024	Digital revenue share from A&D industry, FY 2024

Industry-specific solutions/offerings

DXC Security	An offering for military suppliers to enhance security measures and align with DoD Zero Trust overlays
DXC UPtime™ Experience Platform	A centralized AI-driven workplace offering that delivers personalized and optimized employee experience
DXC Intelligent Boost	An IoT and analytics platform that delivers smart factory solutions using Microsoft PaaS cloud services
DXC Platform X™	An AIOps delivery platform that improves governance, visibility, and automation with cost efficiency

Sample clients

- A global Aerospace and Defense manufacturer
- A naval shipbuilder and strategic military supplier
- A space agency
- An aerospace manufacturer
- A US naval shipbuilder
- A military

Partnerships/alliances

Google Cloud	Leveraged its cloud services for IT modernization and integrating data analytics and AI solutions	**vmware** by Broadcom	Used its enterprise technology solutions to manage multicloud systems and migrate applications
citrix	Utilized its virtual desktop and apps to deliver Windows, Linux, web, and SaaS applications	**aws**	Utilized its IoT cloud services to provide smart factory offerings to A&D customers
DASSAULT SYSTEMES	Used its platforms to deliver manufacturing execution systems and operations management	**iBase-t**	Leveraged its Solumina platform to deliver MES solutions to A&D customers
SIEMENS	Leveraged its Teamcenter software to deliver product life cycle management services to A&D	**Microsoft**	Connected people, processes, and data using Microsoft Azure, Microsoft 365, and Dynamics 365

Value chain coverage

- Product engineering/design
- Manufacturing
- Procurement and supply chain
- Aftermarket
- Business operations

Darker color indicates higher industry concentration: ○○●●

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DXC Technology: RadarView profile

Case studies

Client	Capability	Summary	Business impact
An aerospace manufacturer	• Analytics	• The client wanted an integrated environment with increased visibility, improved flow, additional capacity, and actionable information. • DXC implemented the Synchrono Manufacturing Platform, which included a scheduling and planning engine, alert management, and a visual factory information system. It also reduced the complexity of multiple systems by using SyncAlert, a real-time alert notification management software.	• Saved USD 15M per year by eliminating non-value-added head count • Improved productivity by 35% • Increased throughput by 12 times • Reduced sensitive material scrap by 97%
A global Aerospace and Defense manufacturer	• Analytics	• The client wanted to implement a real-time, labor-focused production schedule to effectively manage the production and reduce delays. • DXC analyzed the factory operations and delivered a detailed production scheduling solution to optimize the production of critical products. It also identified the IT capabilities required for real-time visibility into labor, materials, equipment, and tooling.	• Saved over USD 3.2M in inventory costs • Saved nearly USD 1M in quality, warranty, and other production efficiencies
A space agency	• Automation	• The client wanted to efficiently manage its large application portfolio and keep services up to date. • DXC provided next-generation application management services for corporate applications, which included corrective maintenance and continuous innovation. It also implemented automation to support the client's digital transformation.	• Increased the security of services • Increased cost transparency • Improved responsiveness to business requests
A naval shipbuilder and strategic military supplier	• Digital twin	• The client wanted to build a digital twin to help its engineers visualize and collaborate on ship designs. • DXC delivered the digital twin program by creating an application on Microsoft HoloLens, which displayed the digital twin of the vessel. This provided 3D models of the vessel to represent the design and the current state of the vessel.	• Guided workers through safe work procedures

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DXC Technology: RadarView profile

Analyst insights

Practice maturity	★★★★★

- DXC Technology excels in delivering secure manufacturing services across A&D industry, including commercial aerospace, surface defense, and shipbuilding. Its solutions span manufacturing, quality, connected factory, dynamics planning, and MRO, emphasizing Industry 4.0 transformations with digital threads and MES. By leveraging connected ecosystem model across the value chain, it helps organizations foster efficient, transparent, and data-driven manufacturing environment.
- More than 40% of its A&D revenue comes from the defense subsegment with its clientele including departments and ministries of defense. Of its 10,000 employees dedicated to A&D, around 7,000 are focused on delivering digital services to defense customers.
- It specializes in hybrid multi-cloud transformations and legacy modernization, delivering end-to-end secure cloud infrastructure services leveraging Azure and AWS capabilities in both commercial and government clouds.
- It enhances training for naval defense organizations through VR and extended reality. It collaborated with a strategic supplier to create an onboard training system. It also developed a virtual simulation to enhance combat training without relying on operational ships.

Investments and innovation	★★★★★

- DXC Technology invests in its nearshore International Traffic in Arms Regulations (ITAR) development and support center in Puerto Rico to deliver mission-critical programs cost-effectively for its A&D customers. It also operates a nearshore ITAR center in New Orleans, Louisiana, focused on research, development, and customer design thinking. Additionally, it hosts the Argo design thinking lab for A&D customers, offering demos and simulations of digital thread transformation.
- It has an A&D dedicated AI CoE through which it invests in identifying AI use cases for A&D and developing accelerators. It has developed 25 A&D AI use cases, including predictive maintenance for aircrafts and shipyards, supply chain optimization, quality control, and operational visibility. It extended consulting services to A&D to help develop AI strategies to identify use cases, assess readiness, and create solutions for deploying secure and compliant AI systems.

Partner ecosystem	★★★★★

- DXC Technology collaborates with cloud providers such as Microsoft and AWS to build IoT-enabled smart factory solutions. With AWS, it developed the DXC SPARK platform to drive Industry 4.0 initiatives and digital transformation. It also utilizes Microsoft's PaaS cloud services to provide smart factory solutions to clients. Additionally, it offers an OT Security practice to assist A&D customers with IT/OT convergence and meet CMMC Level 2 compliance requirements.
- It partners with multiple platform providers, such as iBase-t, Critical Manufacturing, Dassault Systemes, and Synchrono, delivering MES and PLM solutions to its customers in the A&D industry.
- It partners with SAP, Oracle, and Microsoft to utilize their ERP solutions, helping A&D clients streamline operations and reduce transformation risks and costs.

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