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Manufacturing Digital Services 2025 RadarView™

Unlocking new horizons in manufacturing through digital resilience and intelligent operations

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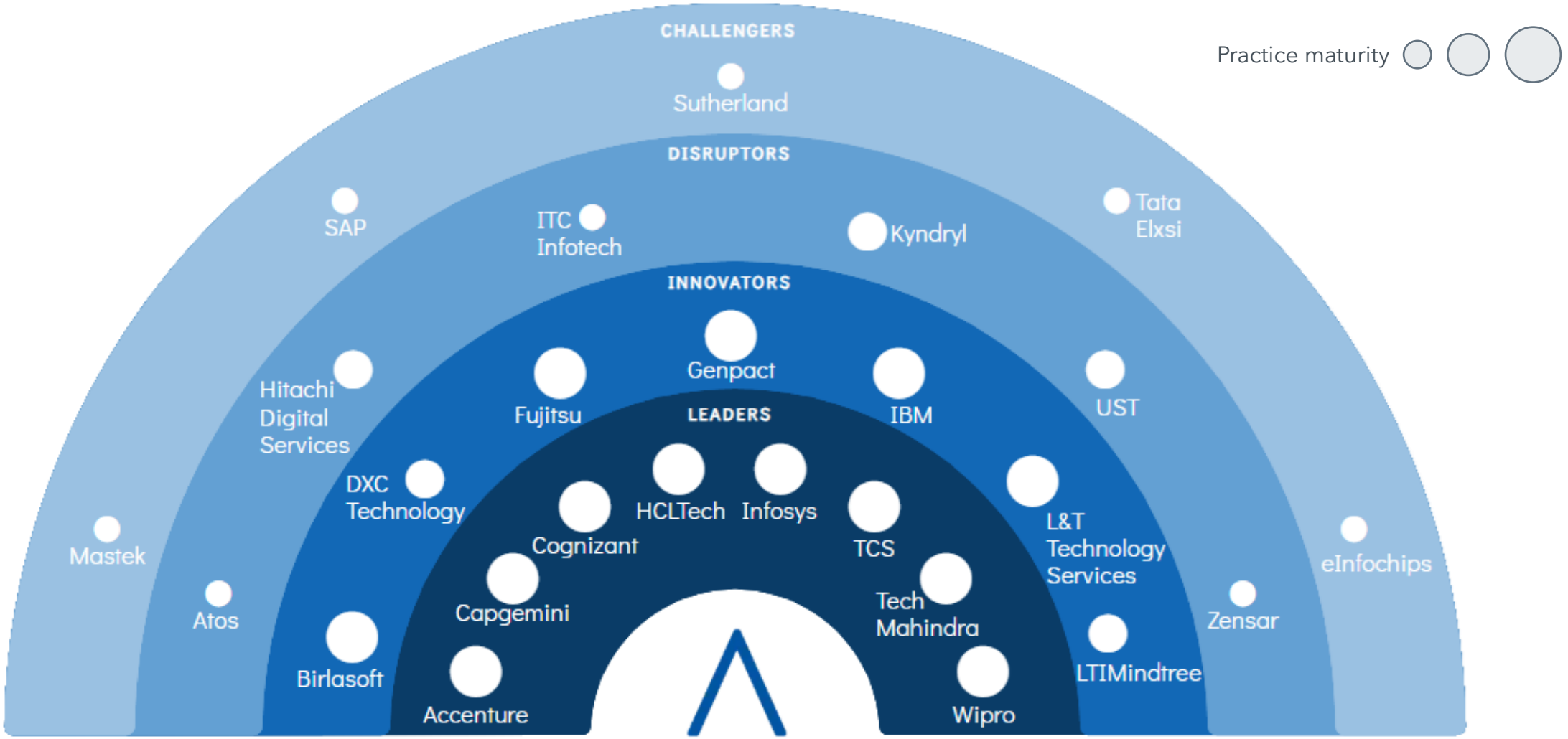
Avasant recognizes 26 top-tier service providers supporting the manufacturing industry in digital transformation



Note: Please refer to Avasant's Manufacturing *Digital Services 2025 Market Insights* for detailed insights on the enterprises and demand-side trends.

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Service providers are accelerating smart factory evolution through AI, Gen AI, digital twins, and intelligent automation

To support digital factory transformation, service providers are investing in a stack of intelligent technologies—from real-time factory monitoring, cloud-native manufacturing execution system (MES), Gen AI-led workflow automation, to immersive enablement tools across the design to delivery life cycle. The capability analysis of 26 service providers has shown interesting trends and insights, as shared below.

Enterprise focus	Service provider initiatives	Examples*
Modernizing factory operations with platform-led IT-OT convergence and digital twin solutions	• **All** the service providers offer factory modernization capabilities by integrating IT and OT systems, enabling unified operations through MES, programmable logic controller/ supervisory control and data acquisition, and industrial IoT-enabled platforms. • **Eighty-five percent** of service providers have developed digital twin solutions that support asset visibility, remote monitoring, and process simulation across manufacturing environments.	
Improving production efficiency and uptime through AI-powered predictive insights and MES modernization	• **All** the service providers embed AI and ML models within production workflows to enable predictive maintenance, monitor overall equipment effectiveness, and reduce downtime across discrete and process manufacturing. • **Seventy-seven percent** of the service providers support modernization of MES and product life cycle management systems by integrating cloud-native architectures and AI-based scheduling to improve operational agility and life cycle visibility.	
Accelerating automation across design and shopfloor workflows using Gen AI and immersive technologies	• **Ninety-two percent** of the service providers are deploying Gen AI-enabled assistants and platforms to automate repetitive tasks in design, engineering, testing, and aftermarket service functions. • **Forty-six percent** of the service providers currently offer AR/VR/XR-based solutions for workforce training, safety simulations, or remote support in industrial settings.	

*Companies in the box are examples of service providers offering the initiatives. This is not an exhaustive list.

Sources: Avasant Research; percentages are based on capability discussi

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the manufacturing industry space.

Service providers are advancing connected value chains and industry-specific engineering through sustainable and intelligent platforms

As manufacturers prioritize supply chain resilience, emissions reduction, and domain-led innovation, providers are delivering IoT-based visibility, blockchain traceability, software-defined vehicle (SDV) development, and MES solutions tailored to regulated environments. The capability analysis of 26 service providers has shown interesting trends and insights, as shared below.

Enterprise focus	Service provider initiatives	Examples*
Embedding sustainability and circularity into manufacturing through energy intelligence	• **Eighty-eight percent** of the service providers deliver sustainability analytics platforms that track emissions, monitor energy usage, and support digital product passports to promote circular operations. • **Forty-six** percent of the service providers focus on vehicle electrification or SDV transformation, enabling key aspects such as control software, diagnostics, and embedded platform development.	
Digitizing supply chains and warehousing through IoT, blockchain, and smart orchestration platforms	• **Ninety-two percent** of the service providers offer IoT- and blockchain-enabled supply chain solutions to enable real-time visibility, improve traceability, and enhance sourcing and risk management. • **Eighty-one percent** of service providers also support smart warehouse automation using mobile robotics, digital layout modeling, and AI-powered logistics control towers.	
Driving domain-specific innovation through SDV engineering and regulated MES implementations	• **Forty-six percent** of the service providers deliver automotive software and SDV engineering capabilities, such as embedded diagnostics, software validation, and connected vehicle systems. • **Fifty-eight percent** of the service providers have experience implementing MES platforms tailored for regulated manufacturing segments such as pharmaceuticals, chemicals, and life sciences, with compliance-driven integrations and validation.	

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