



Accenture Semiconductor Manufacturing Analytics

Driving new growth through insights for designers, manufacturers and equipment makers

Deploy analytics at enterprise level to accelerate new growth

Manufacturing analytics at the enterprise level comprise the strategy, harmonization and business use cases to generate tangible value:





>50%

reduction in machine downtime

5-15%

improvement in manufacturing yield by deploying machine and deep learning techniques

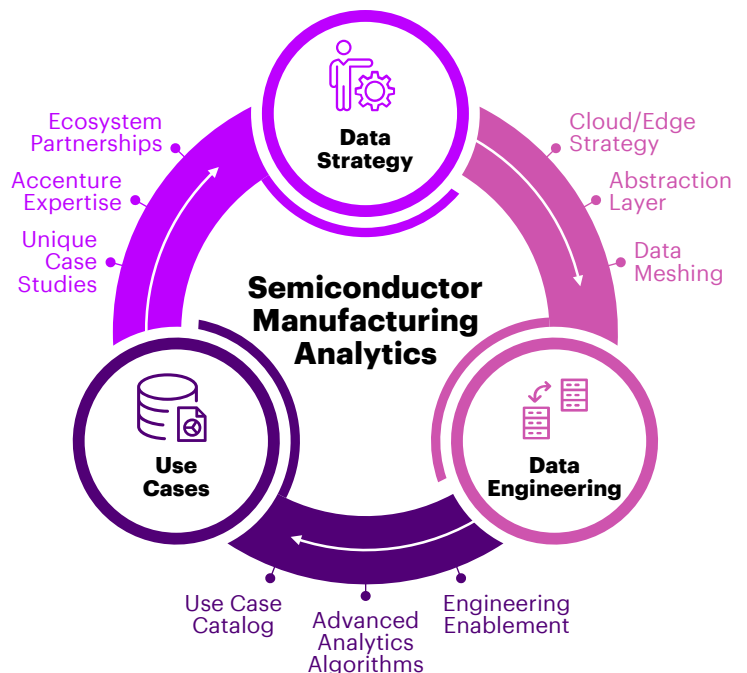
A comprehensive solution set

-  One secure platform to architect data
-  Tailored reference data models
-  Value-driven use case catalogue
-  Suite of AI and ML algorithms and tools



Industrial accelerators to customize your solution

Semiconductor Manufacturing Analytics embraces your data strategy goals, data engineering requirements and use cases, applying industry-leading security to drive strategic growth insights.



Data mastery is now key to semiconductor success

Semiconductor designers, manufacturers and equipment makers are facing a perfect storm of client diversification, supply issues and cost pressures. Mastering data flows is now crucial.

Semiconductor Manufacturing Analytics is a new solution from Accenture built on years of deep and broad industry engagement. It helps deliver the strategy, develops reference data models and deploys the algorithms now required to harness insights across your enterprise and generate fresh growth. Evolve from tactical and local analytics to an enterprise-wide platform for shared insights, collaborative decision making and real-time agility by transforming how you collect, harmonize and extract new data value.

Semiconductor Manufacturing Analytics features

Strategy by design

Leverage the power of your analytics to move beyond analytics as a localized discipline connected with single assets, processes and silos.

Data engineering

Translate valuable insights across the business by harnessing data engineering including abstraction layers and data meshing.

New value insights

Identify and discover the specific use cases that turn the manufacturing dial – for greater yield, faster throughput and ongoing quality advances.

AI and ML

Transform complex semiconductor variables into a virtuous cycle of insight and decisiveness with AI and ML insights for cumulative value creation.

Proprietary tools

Utilize new tools to leverage fresh value across core manufacturing steps from design, wafer fab and sort to assembly, test and ship.

Cybersecurity

Secure and protect your key IP with a leading global security partner that focuses across enterprise IT and OT to safeguard your data.

Semiconductor Manufacturing Analytics benefits

Strategic agility

Build your solution with us and accelerate speed to market as you manufacture a more customized spectrum of products driven by greater data value extraction.

Competitive advantage

Data is not just the new oil – it's the new currency of competitive advantage. Leverage your data to accelerate insights and decisions across your fab and asset footprint.

Operational excellence

Operational Equipment Effectiveness and other KPIs are the essence of your performance. Unleash analytics on your yield, throughput and other key productivity metrics.

See what our solution can do for you

Reach out to our team to schedule a discovery session and find out how the Semiconductor Manufacturing Analytics solution works.



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