



Driving operational
excellence with
Manufacturing
Operations
Management (MOM)



As a manufacturer, you face continuously changing and evolving demand with increasing expectations for product diversity, quality, security and sustainability. At the same time, addressing the challenges of culture and change management are among the top priorities to grow and mature operations.



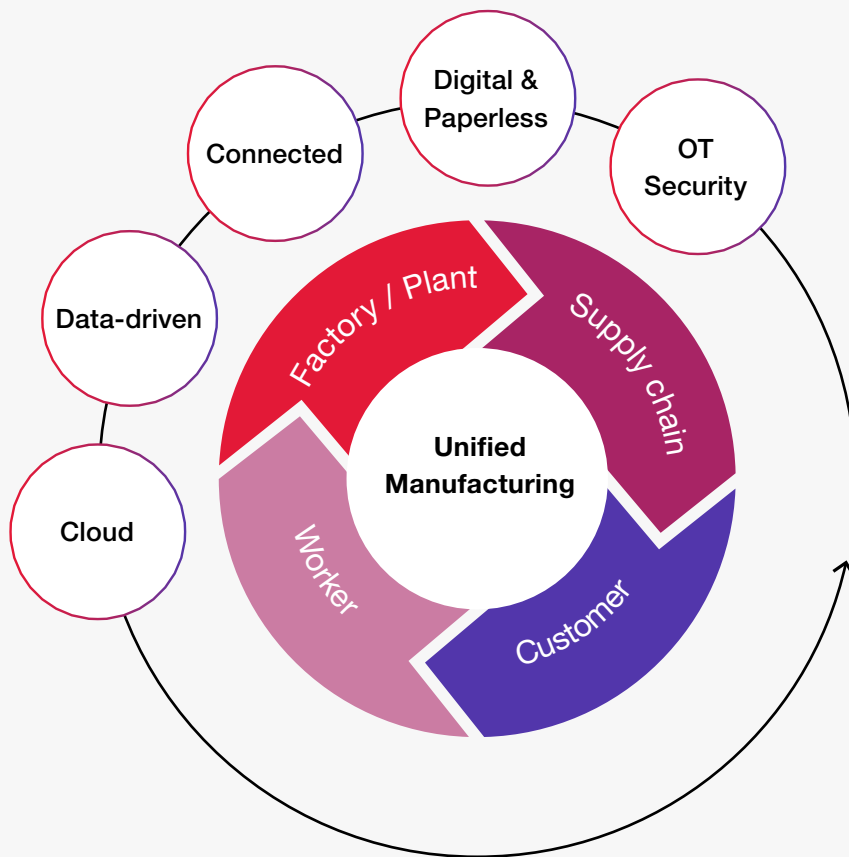
While strategies must continue to focus on sustained growth, cost reductions and operational excellence, the new Industry 5.0 goals of sustainability and human awareness must also be considered (see CGI's Unified Manufacturing vision on the facing page). This requires a complete rewrite of the rule book and a deeper understanding of production and business processes across the factory as well as digital and physical supply chains. It requires operating with a shared view, understanding and commitment across business, operations and IT.

Unified Manufacturing

Unifying people, processes, machines and technology

With the increasing adoption of Industry 4.0 technologies and the introduction of Industry 5.0 ambitions, the manufacturing industry is at a turning point. Forward-looking manufacturers are seeking ways to unify people and machines, IT and OT, and their organization with their wider ecosystem to embrace the future of manufacturing.

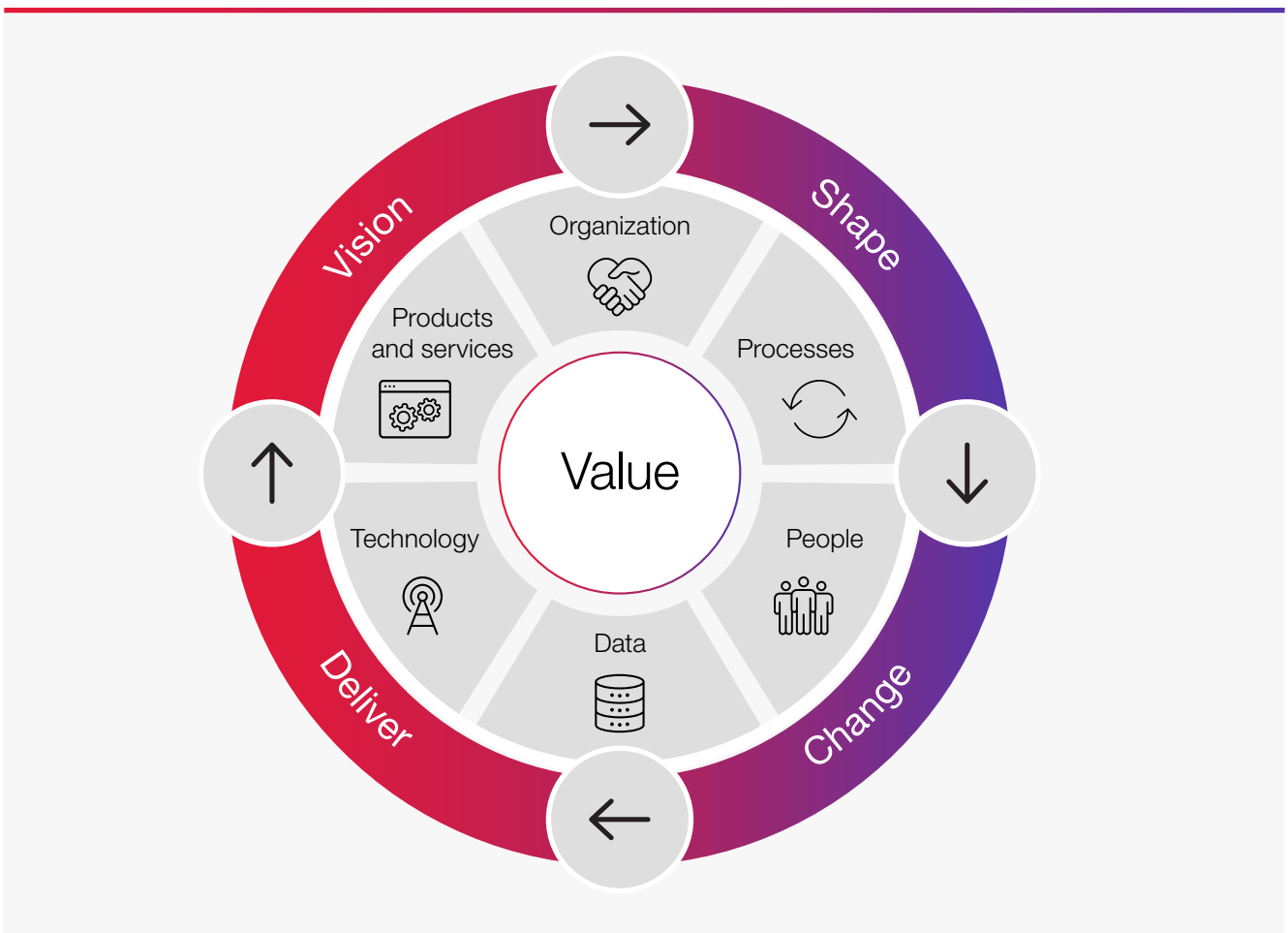
Unified Manufacturing is our vision of how technology and innovation can help manufacturing leaders respond to and navigate this exciting future.



Our value-driven approach

CGI's Manufacturing Atlas framework offers a proven and integrated step-by-step approach to improve efficiency, reduce costs and gain the competitive advantages of Industry 4.0 and beyond. Using this framework, we work closely with our clients to build or validate their vision for digitizing their operations. What results is a transformation roadmap to realize, manage and maintain that vision.

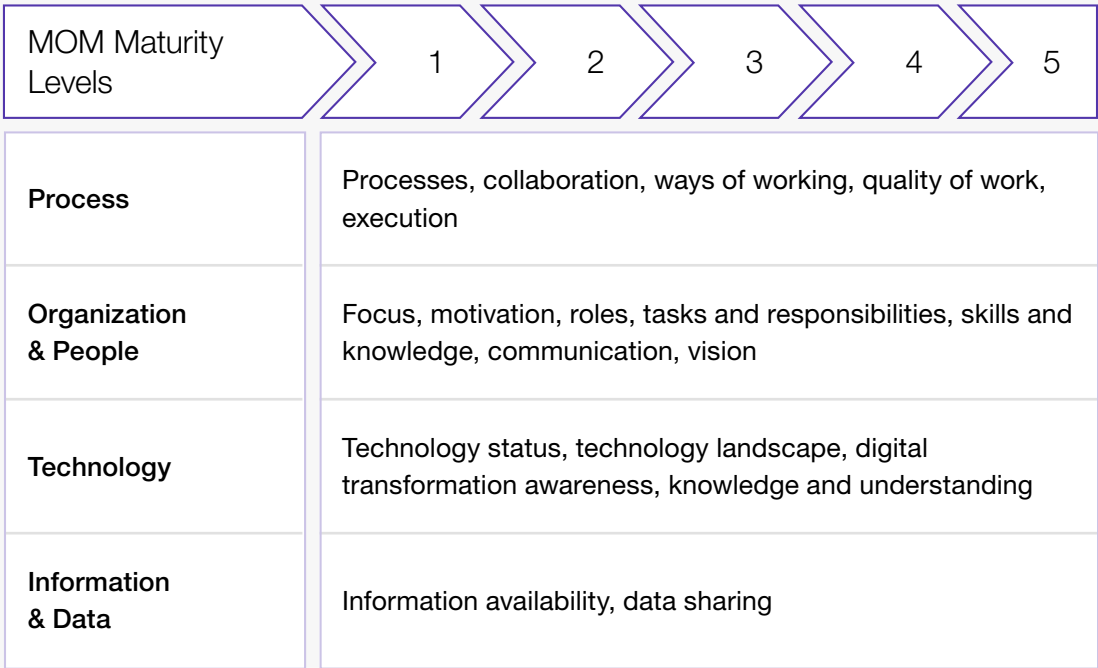
Our Manufacturing Operations Management (MOM) maturity model and assessment is an intrinsic part of the Manufacturing Atlas framework. It provides clients with a clear understanding of their current "digital" maturity. Comparing their digital maturity level against CGI's MOM framework provides clear and tangible focus areas to realize their MOM vision. The initial assessment can cover all or part of the next steps, including (re)design and/or implementation and support services.



How the MOM maturity model and assessment works

Technology is just one aspect of MOM. Improving performance requires optimizing four key aspects in a balanced way: process, organization and people, technology, and information and data (POTI). Our holistic methodology addresses these four core areas to help you achieve the optimal balance of your corporate or site maturity to maximize business benefits.

Manufacturing Atlas and its related methodologies help reach this goal, supporting your journey to a fully digitalized unified manufacturing environment.



Key steps in the process

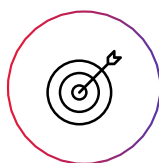
Our team of experts begins by conducting an on-site maturity assessment that covers all relevant domains (production, maintenance, inventory and quality) to gain insight into the current MOM maturity level. Improvement potential is then defined by comparing the current state identified by the assessment against CGI's MOM framework.

Working closely with management, insights from the assessment and improvement recommendations are filtered and prioritized. Our experts clearly outline recommended improvement steps that take into account the organization's culture and environment. Finally, in line with the overall business strategy, plans and timelines, we design a deployment, improvement and/or "accelerator" action plan.

The action plan includes the necessary support and staff coaching and training. During and after the program, we closely monitor and measure the progress and results to ensure the realized benefits meet the business objectives.

The approach described here is designed to be delivered in 2-3 weeks.

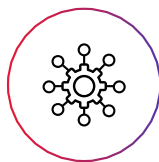
Benefits of the MOM maturity assessment



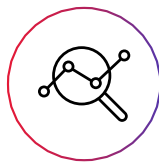
Clear (future) MOM vision, goals and objectives



Tangible enterprise-wide business drivers



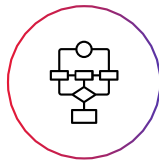
MOM Business Function Model canvas



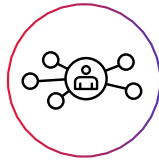
Clear insight into the current MOM maturity level and areas for improvement



Complete enterprise architecture blueprint (system demarcation and applications)



Tangible benefits as part of the improvement plan



Embedded and improved governance structure

CGI in Manufacturing

For over four decades, we have helped leading manufacturers worldwide navigate and seize the opportunities of change. With deep industry and technology expertise, our industry experts work with you to improve business agility, drive efficiencies and reduce costs as you continue to advance your strategic goals.

Within our Manufacturing Center of Excellence (CoE) in the Netherlands, we work on providing sustainable manufacturing services globally. Irrespective of your industry sector, we enable you to translate your ambitions into smart objectives for production and results for business operations and customers. As part of our Unified Manufacturing vision, our CoE experts focus on helping you accelerate your digital transformation from end-to-end.





About CGI

Insights you can act on

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-based to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

Learn more at cgi.com/manufacturing

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