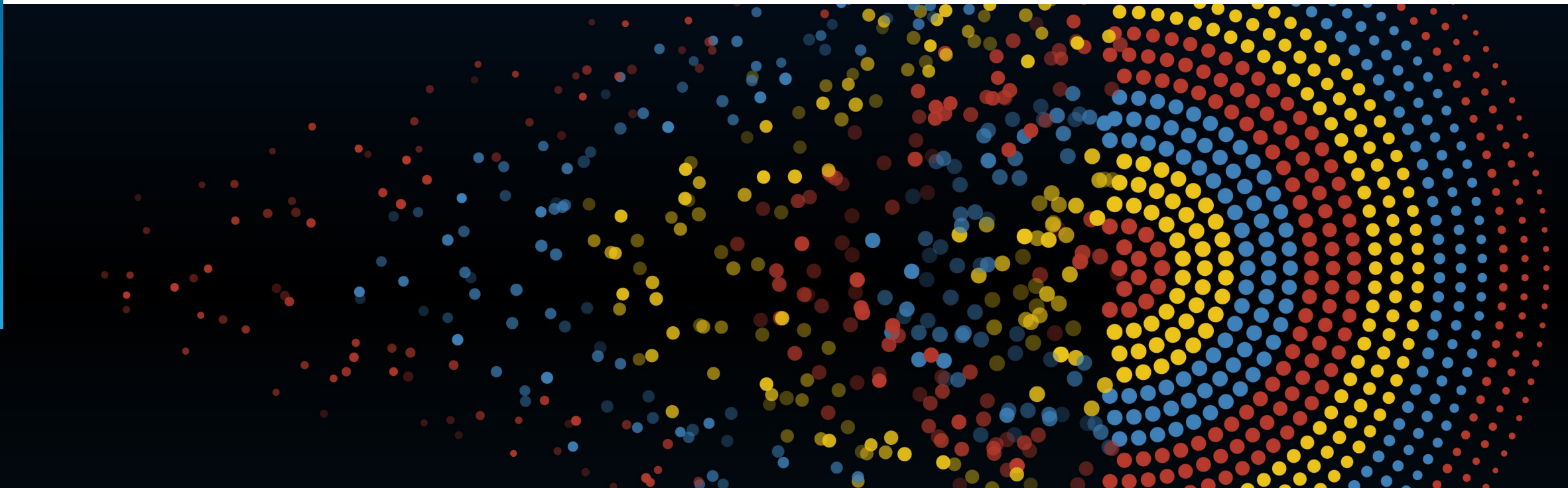


Analytics Accelerating Industry 4.0: The Quest for Operational Resilience and Agility in Manufacturing

May 2021: Complimentary Abstract / Table of Contents



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- Accelerators™
- Analyst access
- Data cuts
- Pinnacle Model® reports
- PriceBook
- Virtual Roundtables
- Workshops

Custom research capabilities

- Benchmarking | pricing, delivery model, skill portfolio
- Peer analysis | scope, sourcing models, locations
- Locations | cost, skills, sustainability, portfolio – plus a tracking tool
- Tracking services | service providers, locations, risk
- Other | market intelligence, service provider capabilities, technologies, contract assessment

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Background and scope of the research

Despite the effects of the pandemic, adoption of analytics services in manufacturing grew slightly in 2020. Process improvement, asset management, cost efficiencies, and better customer experience through improved product quality are some of the major enterprise objectives driving adoption of analytics. Enterprises have also started focusing on monetizing data and providing data-driven products and solutions to customers to differentiate themselves in heavily saturated markets. The pandemic has also led to greater attention around ensuring workforce safety and building operational resilience to tackle demand and supply chain disruptions across geographies.

In this report, we assess the current state of analytics adoption in the manufacturing industry, emerging themes that are driving the adoption of analytics, advanced analytics and AI use cases that support manufacturers across the value chain, and characteristics of deals in the space. Further, the report discusses how enterprises are rationalizing and building agility across the value chain through analytics to ensure business continuity, protect workforce, and tackle demand and supply volatility in the next normal.

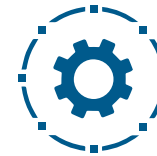
Scope of this report



Geography
Global



Industry
Manufacturing
(excludes consumer non-durables,
brown goods, bio-tech, and
pharmaceuticals)



Services
Data and analytics



Use cases
Publicly available information
(170 use cases from 120+ case studies)
has been used for the analysis
in this report

Overview and abbreviated summary of key messages

This report examines the data and analytics adoption within manufacturing industry globally and identifies analytics and AI use cases across the manufacturing value chain. Further, the report discusses the impact of the pandemic and strategies that enterprises have adopted to mitigate the challenges.

Some of the findings in this report, among others, are:

Current state of analytics in manufacturing

- Despite the effects of the pandemic and decline in overall outsourcing spend, adoption of D&A services in manufacturing grew modestly in 2020
- Enterprises are focusing on digital initiatives to build operational resilience and ensure business continuity
- Large buyers with annual revenue of >US\$5 billion in North America and Europe are spearheading adoption of D&A services in manufacturing

Emerging themes

- Emerging themes central to manufacturing analytics are – 5G, digital twins, data monetization, 3D printing, and sustainable manufacturing
- 5G penetration is expected to drive rapid adoption of Industry 4.0 and analytics use cases
- Digital twin implementations enabled by edge analytics and advanced visualizations are also gaining traction

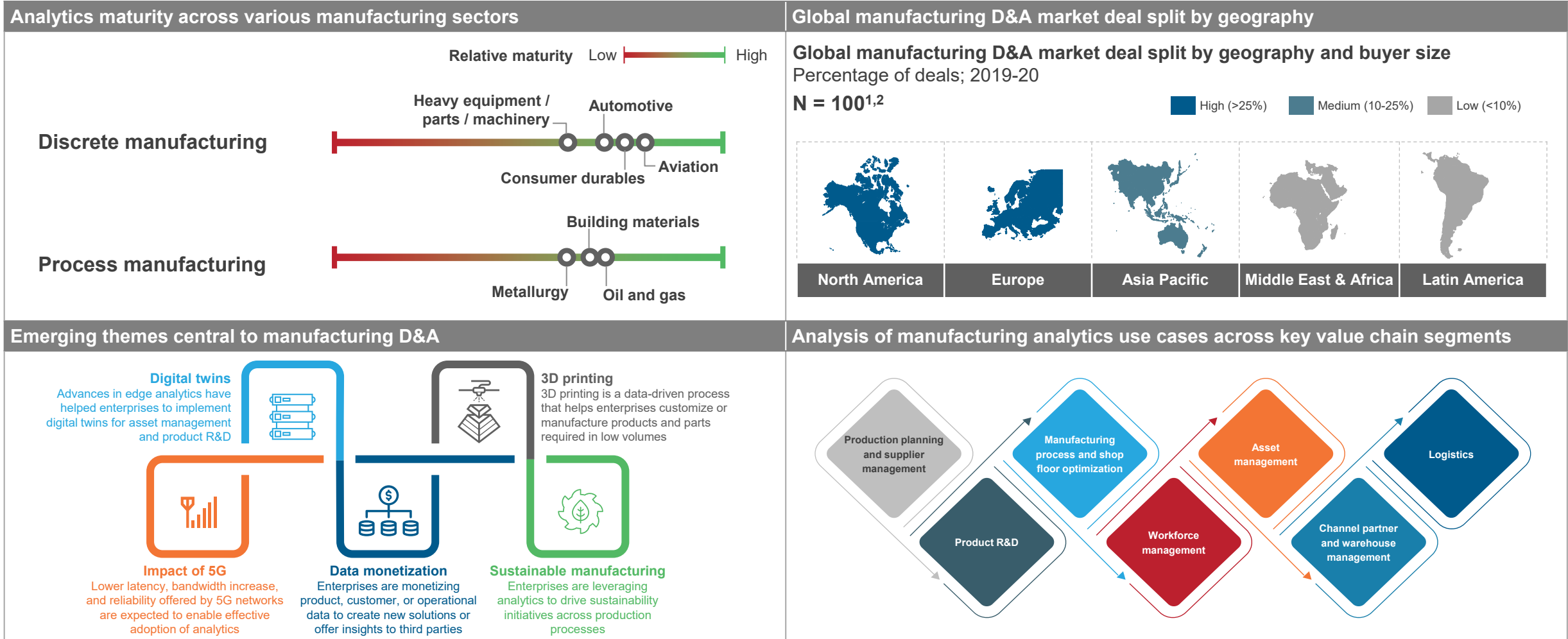
Analytics adoption across the manufacturing value chain

- Analytics use cases across different manufacturing value chain segments are analyzed in the report based on market adoption and the value delivered to enterprises
- While manufacturing process optimization and asset management experience significant market adoption, analytics use cases specific to product R&D deliver the maximum value for enterprises

COVID-19 impact

- Manufacturing was one of the most severely impacted verticals globally due to operational disruptions and demand & supply volatility during country-wide lockdowns. Although industrial production declined, enterprises are becoming optimistic as restrictions are eased and vaccinations progress across geographies
- Enterprises are investing in analytics to tackle disruptions in operations, customer demand & raw material supply volatility, and workforce safety concerns posed by the pandemic

This study offers four distinct chapters providing a deep dive into key aspects of manufacturing D&A services market; below are four charts to illustrate the depth of the report



Research calendar

Data & Analytics

■ Published
 ■ Planned
 ■ Current release

Flagship Data & Analytics reports

	Release date
Data and Analytics (D&A) Service Provider Compendium 2021	October 2020
Artificial Intelligence (AI) Services PEAK Matrix® Assessment 2021	November 2020
Artificial Intelligence (AI) Service Provider Compendium 2021	December 2020
Advanced Analytics & Insights (AA&I) Services PEAK Matrix® Assessment 2021	December 2020
Artificial Intelligence (AI) Services – State of the Market Report 2021 Scale the AI Summit Through Democratization	January 2021
Data and Analytics (D&A) Services PEAK Matrix® Assessment 2021	Q3 2021
Data and Analytics (D&A) Services State of the Market Report 2021	Q3 2021

Thematic Data & Analytics reports

	Release date
Is Work From Home (WFH) the Future of Work? A Perspective on WFH, Locations, and Delivery Strategy Beyond COVID-19	December 2020
Recalibrating for Resiliency – 2021 Key Issues in Global Sourcing – Enterprise IT Perspective	January 2021
From Dissatisfaction to Delight: Sustaining Client Satisfaction in the Post-pandemic World	March 2021
Analytics Accelerating Industry 4.0: The Quest for Operational Resilience and Agility in Manufacturing	May 2021
Acquisitions Galore – Everest Group PoV on rising M&A activity in D&A services space	Q2 2021
Data Modernization - The Backbone of a Future-Ready Enterprise	Q2 2021
Augmented Data Management – How AI is Transforming the Way an Enterprise Capture, Store, and Manage Data	Q2 2021

Note: For a list of all of our published D&A reports, please refer to our [website page](#)



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