

Enterprise Core for Supply Chain by Capgemini

*AI-first operations driving
autonomous planning and resilience*

Capgemini 





Intelligent supply chain

- 1 Key supply chain challenges
- 2 Our vision for supply chain transformation
- 3 Bringing our vision to action



What are some of the key challenges in the marketplace

Supply chains have become more complex, fragmented and under severe constraints

The dynamic and shifting geo-political landscape has resulted in significant geographical shifts in demand and supply, which requires our supply chains to continually adjust based on these changes. The economic business environment has become more challenging, trade wars have led to pricing and supply line related challenges.

Given the Supply chain constraints, how do we service demand and provide the best possible customer service? How can we integrate AI into our supply chain to drive the best possible outcomes in our supply chain?

With the constraints on the supply side, it is imperative that the Supply chains of today demonstrate flexibility in every aspect of their supply chain from demand & supply planning, network design, inventory optimization and prioritization for fulfillment planning.

Building trust in our Supply chain – from our Suppliers through to our Customers

Work as one team with our partners by providing visibility through our Supply chain by planning and collaborating together and enabling profitable outcomes



Key themes for intelligent supply chains

Supply chain Disruptions – building resiliency

- Reduce dependencies on single suppliers
- Near shore manufacturing
- Network design and inventory optimization
- Warehousing and logistics fulfillment optimization



Supply chain Visibility – building agility

- Visibility of orders and inventory through the supply chain to support decision making
- Supplier collaboration
- Real time data across internal and external capacities for order simulation and re-organizing based on customer priorities



Intelligent Supply Chain enabled with AI



Sustainability – achieving sustainability goals

- Environmental impact of logistics and supply chain activities
- Minimize waste while delivering on supply chain priorities



Demand variability – managing customer expectations

- Demand fluctuations and fulfillment lead times
- Customized products and services
- Deliver on customer promises – ability to commit



Intelligent supply chains – Driving business outcomes

Customer engagement

- Deliver what we promise and beyond
- Build personalization and trust
- Provide resolution
- Customer centricity as the pillar of supply chain strategy



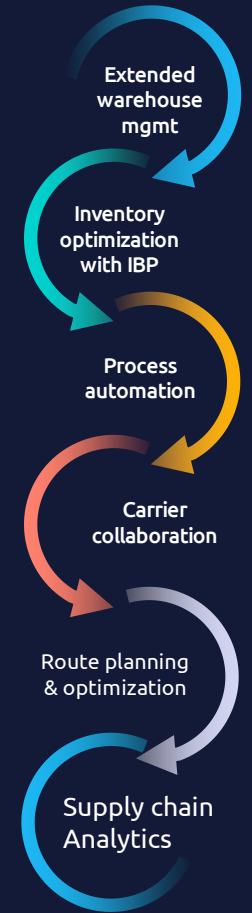
Agility and resilience

- Supply chain risk management
- Collaboration within the supply chain ecosystem
- Supply planning and capacity planning
- Supply chain visibility & decision making support for resilient supply chains



Sustainability

- Minimize waste
- Monitor sustainability metrics across supply chain process flows
- Promoting and implementing sustainability in the Supply Chain
- "Green Core with SAP Solutions"





Our Intelligent Supply Chain Vision

- A fully Integrated **real-time environment** that includes integration outside the companies borders
- Adaptive to **sensory data for autonomous response** to changing market dynamics
- Anywhere **anytime access to actionable insights** that enables critical decision making
- An **agile and resilient platform** that can be extended as business evolves





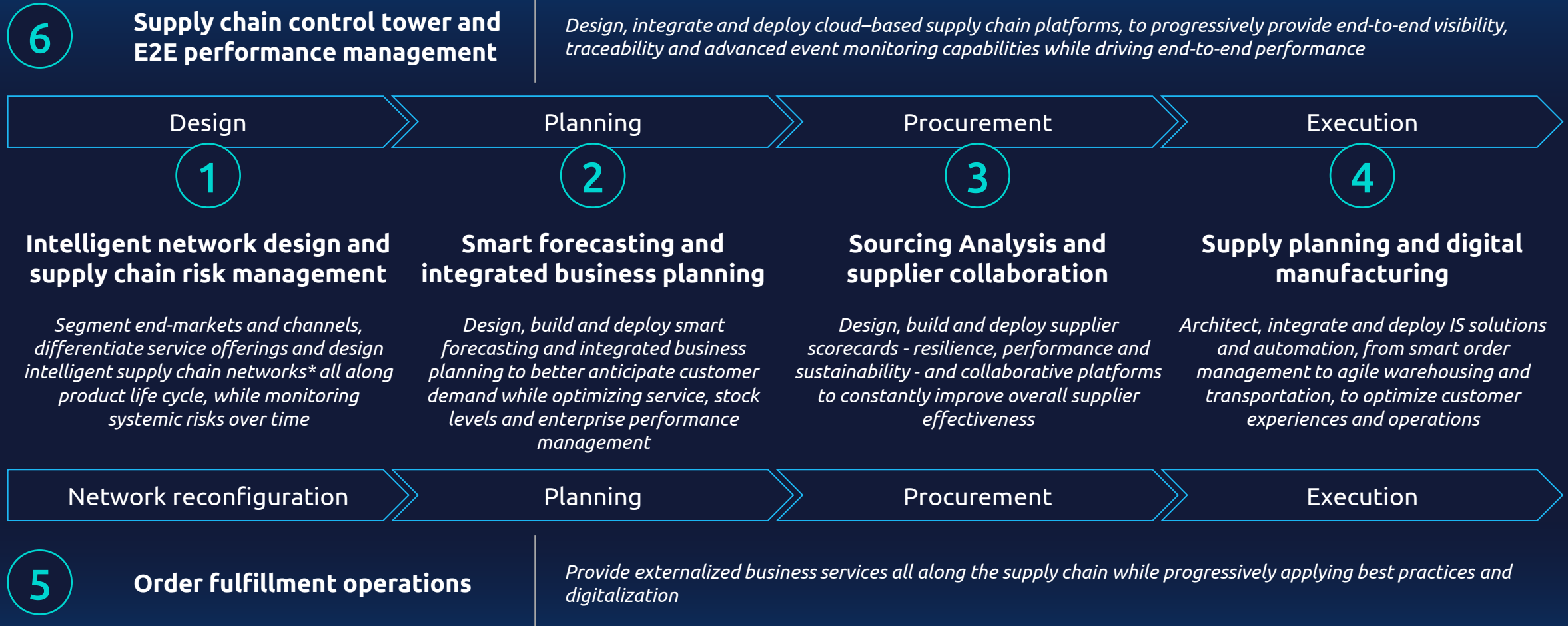
01

How do we enable this
vision



From traditional to Intelligent supply chain

Our service offerings address the new business and technological challenges





Intelligent network design and supply chain risk management

Smart forecasting and integrated business planning

How we help you achieve this vision

Segment end-markets, Customer prioritization, differentiated service offerings and design intelligent supply chain networks – locations, inventories, flows – all along product life cycle, while monitoring systemic risks over time

- Define the new supply chain service offering while micro-segmenting end-markets
- Model & optimize Supply Chain networks - suppliers, industrial footprint, distribution - to optimize performance while building resilience and sustainability
- Select and deploy external data, methods and tools to monitor systemic risks over time
- Define and implement a Supply chain network design capability to reconfigure based on changing market conditions

Design, build and deploy smart forecasting and integrated business planning to better anticipate customer demand while optimizing service, stock levels and enterprise performance management with our pre-built content on SAP Solutions

- Sales and Operations planning
- Demand Sensing
- Dynamic safety stock planning
- Supplier Collaboration (material or logistics supplier)
- Synchronized Planning
- Intelligent Visibility
- Interactive Planning
- MRO Spare Parts Planning



Sourcing analysis and Supplier collaboration

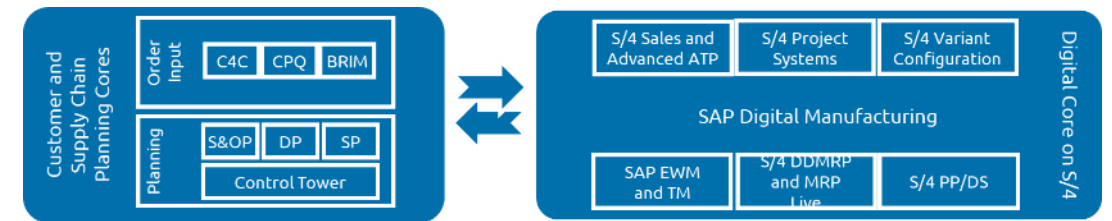
Supply Planning & digital manufacturing

How we help you achieve this vision

Design, build and deploy supplier scorecards - resilience, performance and sustainability - and collaborative platforms to constantly improve overall supplier effectiveness

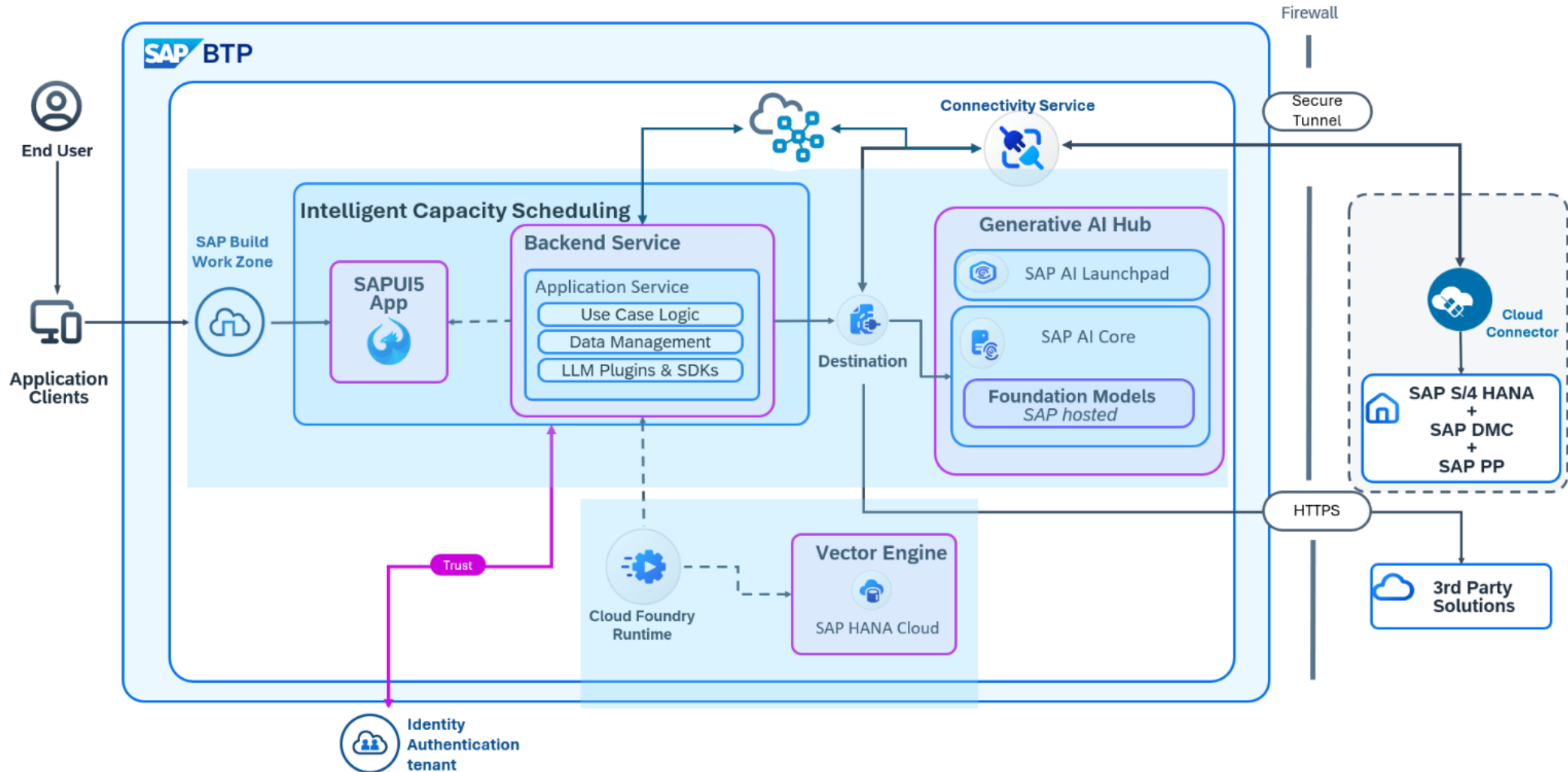
- Select external and internal data sources to fuel a 360° - resilience, performance, sustainability - sourcing analysis
- Design, integrate and deploy sourcing and supplier performance dashboards to continuously assess supplier ecosystem
- Define collaboration models with suppliers from short-term visibility to long-term partnership and design an overall transformation roadmap
- Select supplier collaborative platform based on priority use cases POC, UX, credentials, performance and ease of integration
- Design, integrate and deploy supplier collaborative platform
- Automate sourcing and procurement tasks/activities

Interconnected manufacturing is a foundation to implement data-driven use cases, leveraging our market insights and expertise.



- **Accurate Customer Order Lead Time commitments**
- **Product Customization**
- **Distribution Resource Planning**
- **Transparency & Visibility** of shop floor activity and work in progress (WIP)
- **Asset Utilization & Availability**

Optimizing capacities across the supply chain





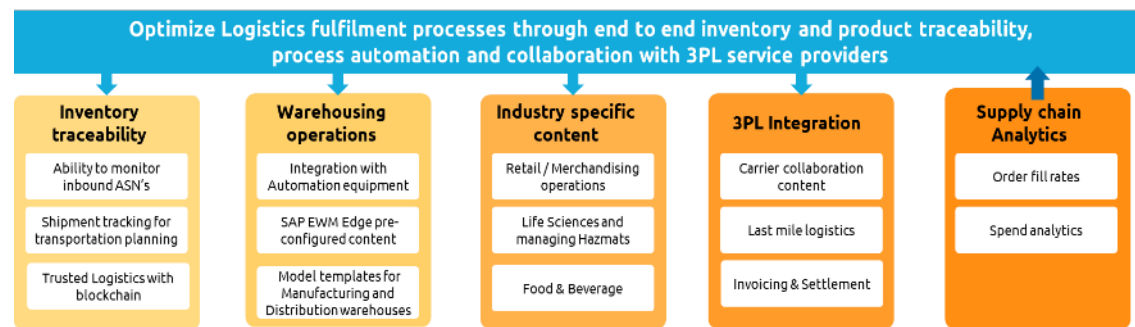
Order fulfillment operations – logistics and fulfillment

Supply chain control tower and E2E performance management

How we help you achieve this vision

Our integrated Industry based PATH solutions on S/4HANA with SAP EWM and TM enables smart order management to agile warehousing and transportation, to optimize customer experiences and operations

Design, integrate and deploy Supply Chain control tower and dashboards with SAP IBP, to progressively provide end-to-end visibility, traceability and advanced event monitoring capabilities while driving end-to-end performance



- Qualify priority use cases – reporting, visibility & traceability, alerting - and associated operating models to improve supply chain E2E visibility, monitoring and performance
- Design & build, integrate and deploy SAP IBP supply chain control tower platform as well as related operating models
- Define and deploy consistent KPI's and dashboards across all tiers/actors to constantly monitor E2E performance and improvements
- Implement advanced event monitoring capabilities to increase supply chain intelligence



Supply chain augmented by AI

Automated Freight settlement analysis and closure



Context

Our integrated Industry based PATH solutions on S/4HANA and SAP TM enables analysis of freight invoices against Freight orders and highlights variations with their analysis.



Challenges / Pain points

- Verification of the freight costs documents against the freight agreements defined with LSP's
- Evaluation and analysis of the discrepancies for freight costs components



Approach & Solution

- The GenAI solution leverages the data residing with SAP S/4HANA and SAP TM to automate the analysis of discrepancies and highlight potential reasons for these differences
- It will help the Logistics team to quickly close out freight settlement discrepancies improving the overall business process



Benefits



Supply chain augmented by AI

Product availability mapping



Context

Our GATP solution together with SAP S/4HANA provides inputs on rule-based product availability dates for our customers. Automating the product availability matrix based on inventory and pricing promotions will enable top line revenue growth and improved inventory turns.



Challenges / Pain points

- Higher inventory levels for products towards the end of their product lifecycle, poor offtake against forecast
- Alternate product lines from other vendors



Approach & Solution

- The GenAI solution leverages the product characteristics and attributes from data residing with SAP S/4HANA
- It highlights potential product combinations based on inventory and pricing promotions for our customers based on their existing orders



Benefits



Supply chain augmented by AI

Predictive slotting to improve warehouse operations



Context

Our warehouse management solutions are built around pre-defined slotting for products based on product velocity. However, our customers will need a more rapid refinement for product slotting based on actual real time demand.



Challenges / Pain points

- Pre-defined slotting for products leads to higher lead times for picking and the time taken to fill an order at the warehouse
- Sub optimal pick path for warehouse operations



Approach & Solution

- The GenAI solution leverages real time sales data- to recommend product slotting at the warehouse.
- This dynamic product slotting driven by GenAI will enable marginal improvements in each order fill time which leads to significant improvements in order fill rates and the daily volume of orders that get shipped out from the warehouse



Benefits



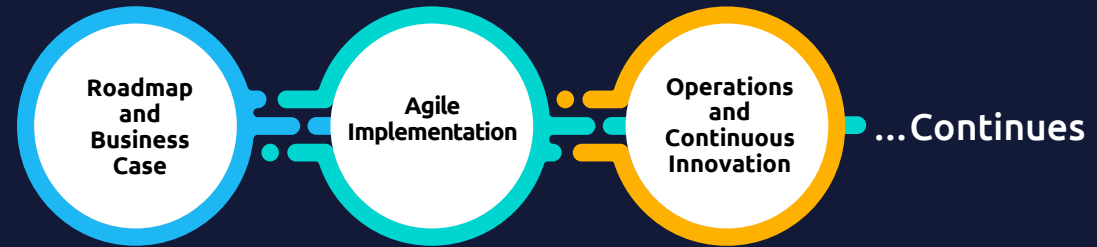
02

Bringing this vision to
action



We have a global footprint and strong local presence with expertise on supply chain solution – from design to execution

Your transformation into an AI-First, intelligent Supply Chain



People and business	Target Operating Models	Change Management	Enablement as a service	Pre-built content	
	Business KPI	Customer engagement model	Profitable & Sustainable Fulfilment		
Supply chain Analytics	Data management	Data Governance	Data Architecture	Data Monetization	Consumer & Operation Insights
Industry & Domain expertise	Industry specific use cases	End-to-End Integration with specialised 3rd party applications		Sustainable Operations and waste reduction	
	Industry based PATH solutions	iCaptive methodology for delivery		RPA	
Infrastructure	Cloud consulting	Cloud Economics	SAP on cloud	Multi-Cloud Integration	Cloud Security & SAP Cybersecurity

We have done it



We are **ideally positioned** with a **unique experience of projects** where companies combine business transformation initiatives with SAP Solutions

Consistently recognized as a **LEADER** by Analysts**

725+
S/4HANA CLIENTS

6,900+
S/4HANA
Enterprise Core & ERP
Certified Resources*

Nearly **15,000**
S/4HANA Skilled Resources

1,300+
S/4HANA Projects

300+
S/4HANA dedicated Experts
in Global CoEs

80+
Innovative Solutions

Digital transformation and innovation

Manufacturing



Energy, Utilities
and Chemicals



Retail



Consumer Products



Automotive



Life Sciences



Telecom,
Media and
Entertainment



Financial
And Other
Services





Our recent supply chain driven transformation programs



Design and globally deploy Ingevity's technology platform of the future on SAP S/4HANA®, providing the organization with the ability to scale its intelligent operations with a long-term growth mindset manufacturing locations

[Read ingevity story](#)



Cognex moved to 1909 version for S/4HANA. In 2017, Cognex implemented SAP S/4HANA 1610 with the applications hosted on Azure. Also, the Capgemini Cloud Platform provided a single-cloud management system.

[Read cognex story](#)



Business and digital transformation enabled by a full greenfield implementation of SAP S/4HANA Cloud on MS Azure leveraging our CPGPath solution, plus SAP TPM (Trade & Promotion Management), SAP Enable Now, SAP BW, Dell Boomi, MDM Riversand, and MS Power BI.

[Listen to t.Marzetti story](#)



Strategic Transformation – Brownfield Conversion to SAP S/4HANA. The transformation to SAP S/4HANA is set to increase speed, visibility and reporting in support of Cooper Standard's accelerated growth.

[Read cooperstandard story](#)



Transparent supply chain with end-to-end visibility - Capgemini worked with Excelerate to implement blockchain functionality on the SAP Business Technology Platform

[Read excelerate energy story](#)



SEAT reviewed its existing systems and processes in order to identify the challenges of its impending SAP S/4HANA implementation and create detailed transformation roadmaps.

[Read seat story](#)



Moved to a managed service model to better incorporate customer feedback, introduce SAP S/4HANA, drive Supply Chain transformation and adapt to a world in which remote working has become increasingly important.

[Read te connectivity story](#)



To Design and implement an intelligent platform based on SAP S/4HANA®; with the capacity to integrate its various business functions including Finance, Sales, Purchasing, Manufacturing, Maintenance, Quality and Master Data – as well as the Business Areas of the Imerys Group across the globe.

[Read imerys story](#)



Creation of a new company to build luxury EV vehicles. Greenfield implementation of S/4HANA Cloud as the Enterprise Core including most processes across finance, manufacturing, and supply chain.

[Read chs story](#)



UNDER NDA

Deployment of one organization, one process and one solution across all entities
Fast delivery of the forecasting solution in 3 months, reaching +200 users, then S&OP, involving +50 users worldwide
Successful implementation of the DDMRP solution in replenishment planning



03

Discussion and
next steps



IMMEDIATE COURSE OF ACTION to continue the discussion with Capgemini



Intelligent Supply Chain Ignite Day

1-2 days Workshop:

- Digital and RPA/IPA technologies and related disruptions
- Business opportunities and threats in the industry
- Initial review of "legacy" and existing initiatives/projects
- Initial view on roadmap and benefit case "by analogy"
- Benchmark (trends, clients testimony, ...)

Clients leave with:

- Shared view on SC challenges and opportunities
- Concrete examples of use cases/applications (industry benchmark and ideation)
- Initial benefit case and next steps

Assets to leverage:

- Applied Innovation Exchange' centers
- Capgemini end-to-end expertise and credentials across industries
- Use case library and data accelerators (from the '890 by Capgemini' platform and 'Innovation Portal')
- Capgemini Research Institute reports
- Capgemini demonstrators (network design, Warehouse design,..)



Digital Supply Chain Maturity Assessment

Digital Supply Chain Maturity Assessment:

- End-to-end supply chain assessment (process, organization, IT), industry leaders' benchmarks and key KPIs monitored and data collection
- Overall IS/IT supply chain landscape mapping (applications, interfaces)
- Initial review of existing initiatives/projects
- Business, IS/IT and digital opportunities

Clients leave with:

- Supply chain maturity assessment
- Shared view on company supply chain strengths and weaknesses
- Initial qualification of business and IS/IT improvement priorities
- Supply chain readiness for new industry paradigms (of which sustainability and resilience)

Assets to leverage:

- Supply chain and industry experts
- Existing workshop materials
- Assessment frameworks
- Use case library and data accelerators



Supply Chain Sustainability Assessment

Supply Chain Sustainability Assessment:

- Reviewed supply chain sustainability frameworks
- Available and to-be collected data
- Tool-based questionnaire for quantitative-qualitative assessment
- Initial evaluation of the supply chain carbon footprint
- Initial sustainability roadmap and next steps

Clients leave with:

- A clear understanding of where the company stands CSR wise
- CSR targets and first transformation roadmap

Assets to leverage:

- EcoVadis' Solution for full CSR assessment
- Capgemini research institute reports
- Capgemini credentials



Next steps to engage with Capgemini on your intelligent supply chain journey



Smart forecasting MVP

MVP development and scale up roadmap:

- Prioritized use cases (value driven)
- Accelerated development of a simplified solution
- Showcasing of reusable assets, accelerators and frameworks for deployment at scale
- Initial roadmap for scaling up

Clients leave with:

- An initial solution to iterate on
- A quick demonstration of the value of smart forecasting
- A clear path to deploy at scale

Assets to leverage:

- Use case library, Industry and use cases requirements expertise (from Capgemini platforms)
- Integrated Demand Sensing and Inventory Optimization solution (Capgemini accelerator)
- Data and AI @scale assets and frameworks



360° Sourcing Scorecard

Build initial 360° scorecard (resilience-performance-sustainability):

- Prioritized use cases across all tiers
- Identified internal and external available and to be collected data
- Designed initial dashboards
- Built, integrated and deployed dashboards

Clients leave with:

- Live initial 360°scorecards
- Initial foundation to monitor supplier base performance

Assets to leverage:

- External KPIs, surveys and reports
- Capgemini credentials, use cases
- Use case library and data accelerators
- Capgemini procurement platforms and tools



Intelligent supply chain IS/IT blueprint

End-to-end architecture scoping and roadmap:

- Qualified business issues and pain points by business area, key process
- IS/IT legacy mapping and qualification (silos, discontinuities, mismatch)
- Reviewed existing initiatives/projects
- Designed future IS/IT architecture
- Initial roadmap and next steps
- Initial sustainability roadmap and next steps

Clients leave with:

- Shared view of business priorities
- Shared view of current IS/IT architecture strengths and weaknesses
- Overall intelligent SC architecture design
- Way forward and next steps

Assets to leverage:

- Industry and business requirements expertise
- Software expertise
- Track-record of large SC system integration across domains, processes and industries
- Co-branded solutions as demonstrators



Tool selection: IBP, WMS, TMS, Control tower

Tool selection and transformation roadmap:

- Scope and ambition
- Requirements: functional, technical/performance, ease of use, cost, integration
- Assessment criteria of which specific and priority use cases
- Software vendor RFP
- Tool selection based on answers, demos/POC, credentials
- Solution deployment roadmap and next steps

Clients leave with:

- Shared scope, ambition and requirements
- Solution to be implemented and roadmap

Assets to leverage:

- Supply chain and industry expertise
- Overall SI capabilities
- Supply chain technological ecosystem
- Capgemini credentials

About Capgemini

Capgemini is an AI-powered global business and technology transformation partner, delivering tangible business value. We imagine the future of organizations and make it real with AI, technology and people. With our strong heritage of nearly 60 years, we are a responsible and diverse group of over 420,000 team members in more than 50 countries. We deliver end-to-end services and solutions with our deep industry expertise and strong partner ecosystem, leveraging our capabilities across strategy, technology, design, engineering and business operations. The Group reported 2025 global revenues of €22.5 billion.

Make it real.

www.capgemini.com



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