



Experience the commitment®

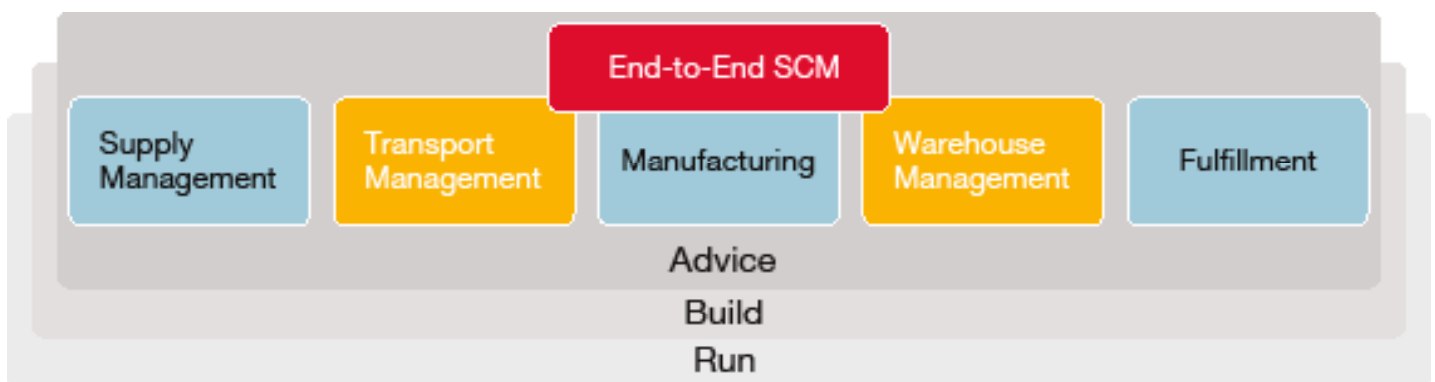


# Supply Chain Acceleration: Our Offering for Enabling Growth

# Supply Chain Acceleration Services

Supply Chain Acceleration (SCA) brings together 30 years of supply chain knowledge and domain expertise, that results in efficient, cost effective, and customer orientated supply chain ecosystems. We help you to increase flexibility, responsiveness and time to market. SCA is a framework that provides a streamlined approach to optimizing any supply chain, from supply management, manufacturing, warehousing, transportation to fulfilment.

We can advise, build or run your supply chain using a modular approach or work across your entire supply chain, whilst leveraging our products and processes to accelerate your operation. We have an extensive portfolio of partners including SAP and Oracle. We have strong working relationships with each partner, enabling us to provide these complete end-end solutions.



# End-to-End Supply Chain Management

## TDV Framework: Making valuable decisions

### End-to-End – Advice

We are offering a (TDV) framework that works into the total delivery cost indicator; it will help you to make the best decision in terms of value for the customer and company. With a large focus on improving environmental and social conditions throughout the end-to-end supply chain tangible and intangible costs should be taken into account, for example carbon footprint, social environments and human resource costs. Our framework takes into account four key indicators:

- Sum of costs across the supply chain
- Value of shareholders in terms of corporate finance across the supply chain.
- Social impact at each level of the supply chain.
- Environmental impact at each level of the supply chain

Our offering will help you to reduce the environmental impact of your business activities and improve its social conditions.

## Demand management

### End-to-End – Advice, Build, Run

Is your business stocking too much inventory? Are you unable to provide your customers with the requested products? Is your business holding excess stock of products customer don't need? Then you are in need of a solution to manage and sense demand. You will be able to optimize your operations, improve order accuracy and build effective logistics.

CGI provides both consulting and services that analyze your business and align forecasting and demand planning strategies to your business objectives - as well as industry best practice implementations - like our tailored Oracle Demantra solution.



### SCESA: Partner Collaboration bringing you a faster time to market and improved inventory management

#### End-to-End – Build, Run

For end-to-end supply chain visibility a trusted party is required to orchestrate the information exchange across ecosystem partners. Direct concerned stakeholders cannot play this role, because the type of collaboration across the partners involved is changing constantly. By effectively collaborating with suppliers and sharing information, environmental impacts and customer service for example can be managed appropriately. Resulting in a faster time to market and improved inventory management.

Our platform carries information such as pipeline, stock information, financial settlements, carbon information and energy consumption and trade. The service provides information exchange over the entire supply chain; between partners across the ecosystem (this can include orders, R&D, quality information, etc.). It also aligns with existing IT landscapes such as ERP and manufacturing operations management. It collaborates with all supply chain partners in a secure environment and meets local legislation requirements. Some information can be exchanged by all business partners, but some sensitive information can just be shared through the relevant business partners.

#### Case study: Supply chain synergy for Network Rail

The new systems help staff to do their jobs better, for example:

- Engineers can request maintenance materials and follow the progress of their orders online
- Planners can forecast requirements more accurately and view supply and demand across the whole company
- Product specialists can introduce new safety critical items with greater transparency and control
- Finance and other users can spend less time resolving data accuracy problems
- Network Rail now has a platform to further develop a reliable and cost effective supply chain in the future.

#### Case study: Helping Michelin navigate change

For Michelin, this partnership with CGI has:

- Improved overall productivity: applications management costs less
- Performs better and reduces time to respond to changing business needs
- Increased innovation capabilities: teams access and share knowhow on the latest technologies
- Boost confidence: the company is now ready to explore ways to improve other processes.

# Transportation Management

## **TMS Advice: understanding transport control**

### Transport Management – Advice

There is a continual pressure to largely reduce transportation costs. This is because transport vehicles are not used to their full capacity and so more journeys are made to transport goods. In this competitive market, customers are expecting faster and cheaper (if not free) delivery. There is also a high cost pressure on escalating fuel prices.

This brings a change to the behaviour in the transportation market. The product suppliers need to change their strategies on how to handle transport in order to lower costs and risks which forms the new competitive landscape for the current players in the transport market. All this is supported by new IT solutions covering the entire transport process in new ways. And you need a new mindset on transport processes in order to win or handle this opportunity for your business in the right manner.

We can support you in this process of change with our knowledge and experience in your business. This is what our 'TMS advice' is all about, helping your business depending on your as-is situation. We shape our service for you.

## **Oracle Transportation Management: taking control of your transport costs**

### Transport Management – Build, Run

OTM is the leading TMS solution because of the completeness of its functional cover and its internal coverage. It can help you integrate and streamline transportation planning, execution, freight payment and business process automation. Within two years of OTM implementation, transportation costs can be reduced from 5-9%. We have formed a winning partnership with Oracle who is the market leader for TMS software, MavenWire who bring the product expertise, and us who bring excellent industry knowhow.

There is a need for dynamic, real-time, multi-modal and global solutions to control and manage complex distribution lines. There is a big push for better visibility of the supply chain to improve availability to customers and ensure that no sales are lost



### Intelligent Cargo: streamlining information flow

#### Transport Management – Build

Intelligent cargo can reduce your carbon footprint by 20%. By getting a better grip on the information flow, the flow of products will be improved through increased product safety and security and will be delivered on time. Intelligent Cargo is about streamlining the information flow across business domains. It lowers the technical and semantic barriers and enables business process improvement. We are building an open information architecture that allows real world objects, existing systems, and new applications to efficiently cooperate, enabling more cost effective logistics.

The challenge is that nearly 50% of all the trucks in Europe are empty or not optimally filled. If we can improve this load factor, the carbon footprint of cargo in the transport domain can be reduced by more than 10% which is a challenge to all businesses trying to lower their transportation costs.

### MEG & LIFT

#### Transport Management – Advice, Build and Run

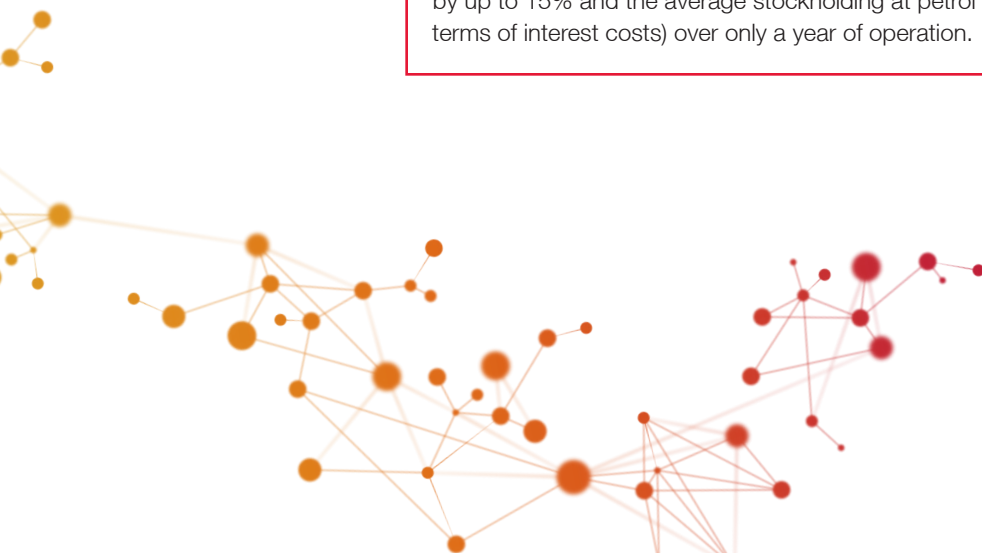
MEG – MEG offers real time information through a simple SMS from your mobile phone. It shows you the exact location of the vehicle, the route of the cargo and can track the fuel consumption of the vehicle. You receive alerts in case of any delays or route changes, and can therefore manage your fleets better.

LIFT – LIFT ensures secure and reliable freight management. It provides advanced real time information about the exact location and status of your goods on the move. It can alert authorities in case of unauthorised access and can raise alarms when specific pre-defined conditions, such as temperature levels, change.

#### Case study: Oil Company - reduction of transport costs and savings of interest costs

A global oil company was looking to achieve a more sustainable, cost efficient and reliable delivery model for fuel and chemicals distribution across Europe.

CROSS brought significant benefits as the optimization of deliveries reduced transport costs by up to 15% and the average stockholding at petrol sites by 20% (leading to huge savings in terms of interest costs) over only a year of operation.





# Manufacturing

## Manufacturing Atlas: evolve your manufacturing excellence

### Manufacturing - Advice

Effectively evolving your manufacturing performance from an operational or supply chain director perspective involves a limited number of milestones. The Manufacturing Atlas service catalogue supports the steps toward these milestones.

CGI's Manufacturing Atlas proposition supports companies in this change process in manufacturing performance improvement.

This portfolio offers best practices to support the full change cycle from feasibility study to continuous improvement initiatives in the changed operations environment.

## For collaboration and efficiency: manufacturing execution system (MES) best practices

### Manufacturing – Build, Run

We put together specialist IT systems that allow you to see and control what's going on within your plant, much more easily. These manufacturing execution systems (MES) help you manage every aspect of production. From planning jobs to controlling production lines to managing raw materials, and checking quality control.

The result of this joined up approach? You can make changes to the production process much faster by accommodating your customers' needs. And you'll make better use of all your assets, reduce manufacturing time and costs, and get your money back faster on investments.

Running a super-efficient production plant should be the ultimate goal of every manufacturer. Perfecting that will play a huge part in boosting profitability. To be efficient you need to get tight control of the whole manufacturing process. From getting the raw materials in, to packing them up as the finished goods.

A manufacturing plant is a complex and fast paced place. To be in control you need to be able to see and have information about what's happening in every part of the plant. That way you'll be able to make better, faster decisions.

We design, build and roll-out solutions based on each industry branch, best technology and client needs. CGI provides best practice solutions in all leading technologies like SAP, AspenTech, Camstar and so on.



### **Perfect plant - immediate value and bridging the gap between shop-floor and corporate**

Manufacturing – Build, Run

Our business consultants will use our acknowledged leadership in SAP solutions to create this Perfect Plant solution. They will help you achieve manufacturing operational excellence by creating an end-to-end link between your operations, identifying and running improvement to manufacturing performance and getting a clearer picture of how your business is performing.

Companies need to meet the demands of their suppliers, customers and manufacturing staff. There is a need to run a seamless link between all parties involved and affected in the manufacturing process. It is becoming increasingly important to have a single view across all your manufacturing operations and to improve efficiency.

#### **Case study: Faurecia - core model adaptation**

With our Perfect Plant capabilities we delivered a world-wide project for automotive company, Faurecia which launched in 2010. We provided high availability, flexibility and seamless integration by improving response time for high frequency shipments, adapting the core model for key processes and transaction buffering.

#### **Case study: SABIC Bergen op Zoom - reducing costs and improving planning and order workflow**

CGI, in collaboration with SABIC Bergen op Zoom developed and implemented a message broker solution that handles accurate information exchange between Enterprise Resource Planning (ERP) and production IT systems.





### Did you know?

For the past 13 years we have tracked the latest trends in Manufacturing Execution Systems (MES) through our MES product survey. This year, 65 suppliers from around the world told us about their services, products, technologies, quality and focus. It is the highest response rate in the 13 years of the survey – despite takeovers, mergers and a few bankruptcies in the MES market.



# Warehouse Management

## **SAP mobility management:**

Warehouse Management – Build, Run

What we are providing is a mobility solution that manages your business processes for the supply chain. Mobility is a key technology as supply chain processes take place from warehouse, shop floor, suppliers, etc. We offer you a unique combination of industry and SAP consultants that can make a real difference to your supply chain process, which utilizes the latest SAP technology.

## **Warehouse Management: it's all about stock control**

Warehouse Management – Build, Run

Warehouses smooth out the variances in supply and demand and provide an optimal cost/service offer that supports you to keep it competitive. Our solution will help you to control the movement and storage of materials within a warehouse. The system directs and optimizes stock placement based on real time information.

We offer Warehouse Management due to the continual changes in customer demand. Customers want customized products to suit their needs, they expect new product variations and innovations and they expect fast delivery. There is a need to keep track of stock levels and to reduce stock location errors, overstock and warehouse space issues. Warehouses typically represent 20% of total logistics costs. There is a need to make these processes more efficient in order to save costs.

### **Case study: Mature Services - fail-proof 24h production for Frosta**

Our Managed Services has taken charge of hosting the warehouse management software Pro-Store and the SAP solution of Frosta. With 99.5 % availability, we guarantee an almost complete fail-proof operation for the warehouse management system.









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With 69,000 professionals operating in 400 offices across 40 countries, CGI fosters local accountability for client success while bringing global delivery capabilities to clients' front doors.

Founded in 1976, CGI applies a disciplined delivery approach that has achieved an industry-leading track record of on-time, on-budget projects. Our high-quality business consulting, systems integration and outsourcing services help clients leverage current investments while adopting new technology and business strategies that achieve top and bottom line results.

As a demonstration of our commitment, our average client satisfaction score for the past 10 years has measured consistently higher than 9 out of 10.

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