



DIGITAL SUPPLY CHAIN SERVICE

OPTIMISING SUPPLY CHAIN EFFICIENCY

WHAT IS THE DIGITAL SUPPLY CHAIN SERVICE (DSCS)?

The Digital Supply Chain Service (DSCS) is an end-to-end solution for improving efficiency of supply chain operations. It provides a digital platform to explore transformations in supply chain activities, eliminate data silos and limit labour-intensive manual processes. The DSCS uses a process-driven approach to identify technology gaps and opportunities for improving your business's supply chain.

The DSCS is a combination of three key service modules delivered in a customer-focused way to quantify, prioritise and tackle unique business needs. The DSCS is built on the foundations of lean six sigma principles and looks to quantify and sustain improvements.

Whether you are an innovation and manufacturing veteran or a start-up looking to establish a robust supply chain, HSSMI's DSCS service will help you address the following areas:



COSTS

reduce transport costs, increase rebate for factory wastes e.g. pallets, cardboard waste etc.



ENVIRONMENTAL IMPACT

decrease carbon footprint, control and streamline supply chain operations, promote corporate responsibility



AUTOMATION

eliminate manual and labour-intensive processes



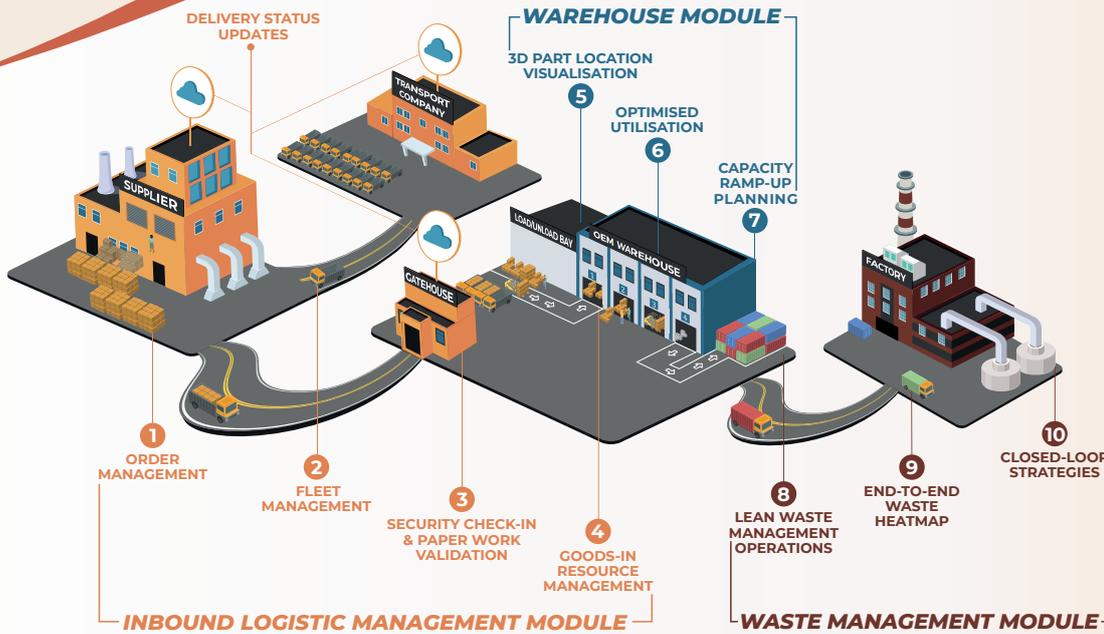
OPERATIONS

optimise waste flow operations and resource allocation

WHY HSSMI?

HSSMI is a sustainable manufacturing innovation consultancy, with extensive skills and capabilities in supply chain design and optimisation. We specialise in supply chain modelling, scenario testing, risk assessment and sustainability of all supply chain operations, including asset tracking and closed loop supply chain management.

Our experience in working with different manufacturers enables us to provide an independent perspective on your organisation's journey towards reducing supply chain costs and improving your company's carbon footprint. We appreciate that each manufacturing business is different and endeavour to provide tailored solutions that work for your business's way of thinking.



EFFICIENCY
The delivery slot configurator allows delivery to be planned according to the site capacity to reduce long queues.

COMMUNICATION
Cloud-based platform enables communication feedback and status updates through the web portal significantly reducing manual and labour intensive communication.

REAL-TIME STATUS UPDATES
Visibility of incoming deliveries allows better planning and utilisation of goods-in resources; improved planning accuracy for delivery.

REPORTING & KPI DASHBOARDS
Eliminates manual data entry and reporting by consolidating data from multiple spreadsheets into interactive dashboards showing relevant KPIs enabling data driven decisions for continuous improvement.

HOW DOES IT WORK?

HSSMI can help improve the efficiency of your supply chain activities through the three modules of the DSCS. The modules can be deployed alone or in any combination to suit your needs. The diagram above gives an overview of how the DSCS is structured.



1 INBOUND LOGISTIC MANAGEMENT MODULE

This module involves the flow of materials in an efficient and cost-effective way. It involves detailed supplier assessment and development/improvement plans.

KEY ACTIVITIES

Supply chain mapping, delivery management & scheduling, supplier audits and development, supplier selection, digital transformation, last-mile delivery, supply chain modelling, scenario testing and risk assessment.

MAIN BENEFITS

Cost reduction, virtual supply chain prototype and validation, lean delivery management, digitalisation, supply chain visibility and stock control, delivery paperwork management.

2 WAREHOUSE MODULE

This module focuses on optimising warehouse management and operations. It leverages inventory data and modern technology to optimise warehouse processes for efficient stock management and replenishment.

KEY ACTIVITIES

Warehouse capacity analysis, pick-to-light technologies, warehouse utilisation, inventory management, off-site analysis, and requirements gathering.

MAIN BENEFITS

Warehouse capacity planning, stock control, elimination of manual and labour-intensive tasks, business case development for off-site warehousing.

3 WASTE MANAGEMENT MODULE

This module will explore waste management strategies using circular economy principles to minimise the environmental impact of waste processing activities. This involves product life cycle assessments, packaging waste, recycling and remanufacturing.

KEY ACTIVITIES

End-of-life/2nd life strategies, packaging optimisation, design for remanufacture, recycling, cost analysis, returnable packaging strategies, waste yard management.

MAIN BENEFITS

Cost reduction, potential revenue generation, improved carbon footprint, lean waste management operations.