



KEY SERVICE: **MATERIAL FLOW STRATEGIES**

WHY INVEST IN A MATERIAL FLOW STRATEGY?

Investing in a material flow strategy offers significant advantages for business and is crucial for an optimal manufacturing process that is adaptable to operational changes.

A material flow strategy enables cost reduction by optimising processes, minimising inventory costs, enhancing productivity by streamlining workflows. It also ensures the right equipment is specified and procured bespoke to the operation. Sustainable practices are at the forefront to reduce environmental impact through optimal transportation routes, reduced energy consumption and the use of energy-efficient equipment.

WHY HSSMI?

HSSMI is a leading provider of logistics planning services. We have a team of experienced logistics professionals who have worked with some of the worlds leading manufacturers. Much of our work has been with the newest technologies, including battery manufacture and hydrogen propulsion systems.

At HSSMI we use the latest methodologies and tools to provide our clients with the most efficient and effective support. We have a proven track record of delivering successful logistics solutions that help our clients optimise their operations and achieve their business goals.

Our approach is based on a deep understanding of our clients operations, which allows us to design tailored logistics solutions that meet their specific needs. We are on a never-ending mission to reduce waste, increase productivity, and improve the bottom line.

HOW HSSMI CAN HELP



Plan for every part (PFEP)

Creation of a detailed PFEP, a centrally controlled database containing all information required for planning a logistics facility and material flow strategy. This document is typically developed through several iterations as data matures.



Material handling strategy

Creation of a detailed material handling strategy to ensure all components are moved efficiently in the facility and to enable streamlined operations. We can support your business requirements by creating a business case assessment on manual vs automated equipment, selecting the most appropriate material handling equipment (MHE), and recommending the best ownership options (buy vs lease) bespoke to your operation.



Lineside solutions

Design and development of detailed lineside solutions that ensure the parts are presented lineside in the correct quantity, orientation and within the station footprint.



Logistics headcount plan

Logistics headcount plan that outlines the roles and quantity required for the operation from launch through to rate of climb.



2D CAD layout

Development of a 2D CAD facility layout including lineside solutions, optimal material flows and traffic routes from goods in to goods out. Health and safety considerations are at the forefront of the facility layout design.



Creation of equipment specifications RFI/RFQ

Specification of equipment to complete RFI/RFQ/RFP processes to help compare vendors, obtain competitive pricing, ensure equipment suitability and to make informed decisions when procuring equipment. From the vendor responses, we complete an impartial assessment of market capability using key metrics to validate the recommendation. HSSMI are fully vendor agnostic.



Logistics Timing Plan

Development of a detailed logistics timing plan to allocate resources efficiently to ensure all equipment (including long-lead items) are specified, procured, installed and commissioned in-line with the launch of your manufacturing facility.