

GREENFIELD WAREHOUSE DESIGN AND EXECUTION AT KHARAGPUR



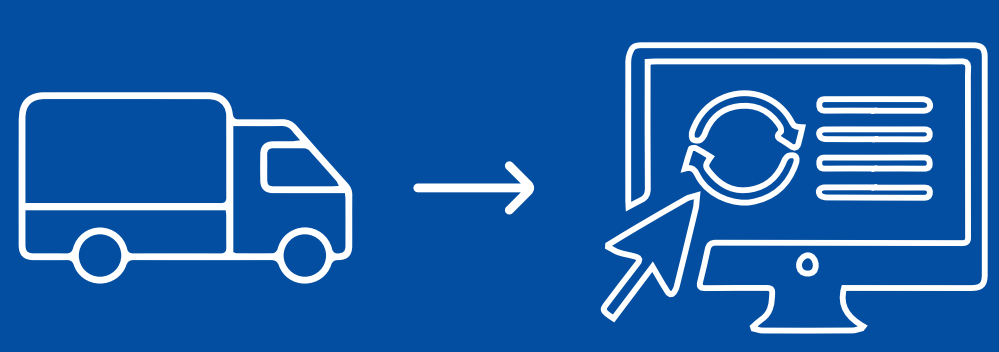
OVERVIEW

Mahindra & Mahindra Ltd is the largest utility vehicle manufacturer in India and the largest tractor brand in the world. Whose spare parts business section satisfies the needs of their own brand cars, tractors, and other vehicles by sourcing, assembling, warehousing, and distributing the best and genuine spares.

BUSINESS OBJECTIVE

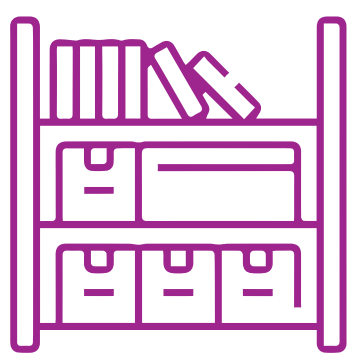


To conceptualize, Design and Implement a Best-in-class Spares Regional Distribution Centre, with Conventional and Automation storage solution.

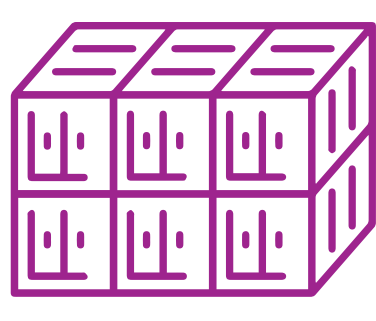


To carry out complete end to end design and execution right from truck flow process to Post Go-Live support.

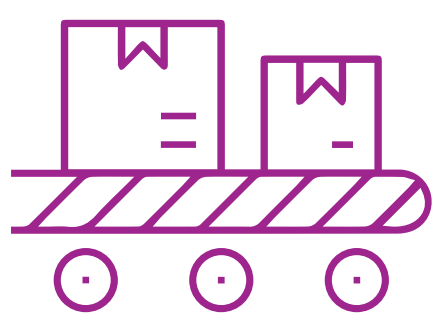
VALUE DELIVERED



High density storage solution with good scope for expansion and flexibility.



Designed the best-in-class warehouse and processes for seamless integration with WMS environment.



Smart and flexible solutions in outbound and consolidation area with smart conveyor routing resulted in saving space and cost.

BUSINESS COMPLEXITIES

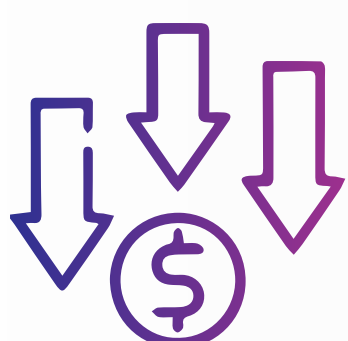
To cater to the entire East region of India, the area dedicated for storage was mathematically on the lower side, thus Stellium had to plan storage with high pallet density and utilizing maximum vertical space to the extent possible with seamless and critical process flows and a business case plan for more than 5 years with scope for future expansion and flexibility for re-engineering based on business uncertainty.

Efficient design with dense and automated storage systems, along limited capex was planned.

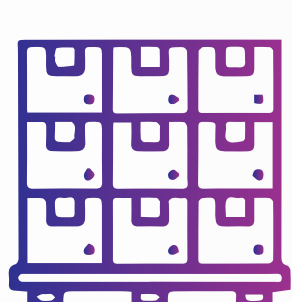
PROJECT HIGHLIGHTS



Early Improvements were clearly identified in the process by benchmarking clients' previous practices of DC's, recognized denser storage with high pallet density per sqm and seamless process flows.



Smart and quick solutions were implemented in high movement areas by reducing implementation and operations cost in areas like outbound packing, forward pick and inbound areas.



Reduced 50% of conveyor requirement by introducing simple conventional flow racks for outbound consolidation there by saving costs.