



**NEXT GEN
CONSULTING
FOR ROBUST
OPERATIONS**



**RACKS &
ROLLERS**
STORAGE TECHNOLOGIES AND AUTOMATION

**SIMULATION
MODELLING**

The growing need for maximising warehouse optimisation efficiency among companies has led to the invention of this cutting edge and incredible technology called warehouse simulation modeling.

Simulation gives businesses a virtual window into the planning, design, layout & operations of a warehouse in real time, thus enabling them to forecast the operational flow and find areas for improvement in optimisation & efficiency.

A highly detailed and predictive 3D simulation of the warehouse and its work flow is generated by a software that hardly requires any technical know how. The simulation is easily coherent, surprisingly flexible, vastly scalable and extremely adjustable, to help the users test and try as many layout and workflow settings as they like in order to find the best one that results in the fastest operation time with minimum errors.

Simulation modeling is a zero risk and low cost technique of maximising warehouse efficiency by figuring out the best way to arrange storage systems, MHEs, docks, conveyors and manpower in a warehouse without affecting its current operations. It demonstrates the user how intralogistics can be improved and how the operational dynamics in a warehouse vary according to various types of storage solutions.

Our simulation service endows clients with a comprehensive and detailed, 360 degree view into all the warehouse operations, be it storing, distributing, picking, shipping or sorting. With a powerful, pocket friendly and handy simulation service, we aim to serve our clients with maximum productivity, efficiency and optimisation in their daily operations.

BEST SUITED FOR

All businesses investing new machines and process for their warehouse

NOT RECOMMENDED FOR

Low throughput small warehouses.

MAIN FEATURES

BEST PRACTICES

Help identify bottlenecks.

OPTIMISE USE OF MANPOWER & MACHINES

Manages best use of manpower and helps identify the quantities of machines required.

CAPITAL INVESTMENT

Helps plan the level of Capital Investment required.

MINIMISE WASTAGE

Minimise wastage from the system.

PROCESS PLANNING

Identify best practices using theoretical examples.

RETURN ON INVESTMENT

Speed the ROI for the complete project.

PROS

- Helps identify the right balance of resources for operations
- Helps plan the best practises and options for warehouse.
- Increase pre execution visibility and identify bottlenecks and wastages.

CONS

- Requires comprehensive work defining the process
- Time consuming

