CLASS is the leading ‘off the shelf’ software written exclusively for warehouse design and simulation modeling. Used by top logistics companies, CLASS is the tool of choice in identifying cost efficiencies in the warehouse and as a test platform for introducing operational innovation. It is used for new builds, to test designs before the building process begins, and for operational improvement in an existing site.

CLASS allows users to design, test and re-design complex warehousing solutions in a virtual computer environment by changing many different parameters and measuring their impact:

- Assess warehouse layout changes and their effect on productivity
- Identify throughput capacities and bottlenecks
- Review the impact of different pick-face profiling or different picking methods
- Estimate resource requirements, shift patterns and equipment availability
- Quantify cost and service levels by simulating daily receipt and dispatch profiles

CLASS is pre-loaded with all of the tasks needed in a warehouse – from unloading vehicles and put-away through to order picking, pallet building, loading, dispatch and all the processes in between; while also being able to model both manual and automated warehouses.

Build your new warehouse in a day! CLASS enables you to test different layouts and operating processes without the need for a physical trial.

**BENEFITS:**
- Maximize your warehouse performance
- Optimize labor and equipment running costs
- Identify hidden capacity
- Champion best practice process improvements
- Measure shift performance against company benchmarks
- Safeguard CAPEX by proving concepts before investing
- Easy-to-use, no programming needed
- Test ‘What-if?’ scenarios quickly and compare results
- Reduce warehouse solution design time

Available in an easy-to-use, Windows desktop application

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CLASS can be used to simulate warehouses of all sizes and complexities. It is easy to use, does not require programming or scripting skills and the familiar Windows environment can be quickly used by anyone.

The layout drawing is created through a series of drag and drop objects drawn to scale. The warehouse intelligence within CLASS interprets the user’s commands and ensures that any layout changes conform to a set of standards and constraints, thereby ensuring aisles are large enough for forklift movements, bays can accommodate pallets, and pillars are considered with minimum impact on storage space.

Make a better warehouse in three easy steps:
CREATE, SIMULATE, REVIEW

1. CREATE YOUR WAREHOUSE
- Preconfigured objects can be selected from a full range of storage types
- Drag and stretch layout objects to draw the interior of the warehouse
- 3D image library of MHEs, vehicles, office and other warehouse objects come as standard in order to populate static layout and simulation models or create your own 3D library
- Customize with logos or images of the warehouse and its inventory, vehicles and operators
- CAD interface to import existing drawings
- 3D Navigable Model can bring your designs to life with staff and forklifts moving in time with the defined operations process

2. RUN YOUR WAREHOUSE SIMULATION
- Animate facility automatically creates simulation flows
- “What-if?” Wizard simplifies the tuning of the operation and makes changes to the model quick and simple
- Simulation data can be imported from files created by your WMS or developed from product profiles and order types, defining actual pick journeys and true vehicle load sizes based on historic data
- Toggle between 3D and 2D drawings to find the best visualization
- Record Flythrough Movies in 2D or 3D and share as runtime models with colleagues or customers
- Models can run for a full week’s operation, providing comprehensive data for further analysis

3. WAREHOUSE RESULTS
- Updates on space occupancy and vehicle fill are reported
- Colour coded KPI reports enable quick identification of problem areas
- Drill down function assists the user to navigate detailed hour-by-hour reporting
- Statistics are available on utilization of resources, labor breakdown by task, throughputs by the hour
- Export to clipboard charts and tables for easy import into Excel or PowerPoint
- Project Comparison report enables users to compare key statistics across multiple projects and warehouses
- Business cases to bring about change can be supported by quantifiable savings or operating expenditure

To hear more about how we can help you make your operation more efficient and cost effective, contact us today.

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