

SyncroTESS Transport Management System

Transport Management System

Manufacturing related materials handling involves forklifts, carts, tractor-trailers, and other truck fleets operating inside the factory, or between outside locations closely linked to the manufacturing operations.

How does it work?

The SyncroTESS transport optimization system renders in-plant materials handling

- more transparent, reliable, and on-time
- better synchronized with the manufacturing process
- significantly more efficient and productive (15% - 35%).

How does it work?

1 Options for creating new transport jobs include

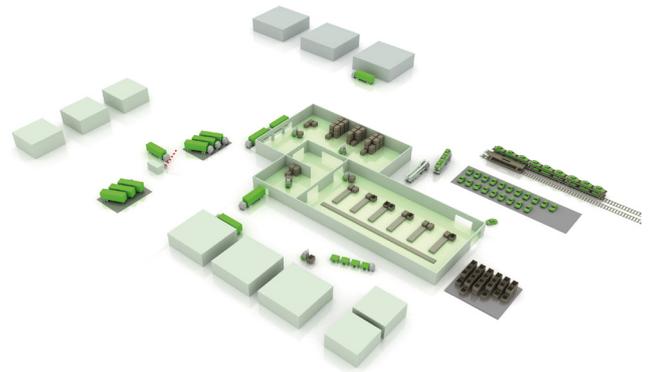
- Smartphone app
- Internet portal
- PC - browser - factory IT server
- SAP integration
- Integration with existing shop floor IT

SAP, other ERP suppliers, and INFORM's production scheduling suite may even automatically create transport jobs (option).

2 A continuous optimization cycle matches all open tasks with all available resources. Taking into account locations, load characteristics, and timing requirements the optimizer minimizes operational costs while maximizing on-time delivery.

3 Unexpected events (rush jobs, new priorities, equipment breakdown, load not ready, etc.) trigger the optimizer to re-sequence and re-route all affected jobs and trucks. Each time, it will re-shuffle the entire transport schedule as to perfectly align with the new situation.

4 The operators of lift-trucks, carts, tugs, and other materials handling devices callup their "next job" on mobile radio data terminals (option), or smartphones (option: extremely user friendly app, with iBeacon location support).



5 The drivers report "start job", "job completed" and any abnormal issues (e.g. "load not found") on their mobile devices for SyncroTESS to act accordingly.

6 Finally, SyncroTESS notifies anybody in need to know about the completed delivery. As an option, it may also synchronize the locations of materials and parts and/or task status data with SAP, INFORM's production scheduling and other factory IT systems.

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