



SIMCAD PRO

TECHNICAL SPECS

Model Components

Simcad supports multiple model entities, such as; capital assets, labor resource allocation, transports & material handling equipment including conveyors, robotics and carriers as well as CAD integration. Resources can be applied to processes and transitions and may be defined based on object type, process functions or other parameters. An extensive shift editing feature is also integrated allowing users to modify resource efficiencies, resource substitutions, and dynamic resource scheduling.

Object transition is modeled using connectors that contain specialized behavior. Each connector can behave like a conveyor (accumulating, manual, automatic,...) with full photo eye control. Objects can also be transitioned using resources for man-power control.

Each process in Simcad Pro is capable of implementing change over time and mean time between failures and repairs.

Simcad Pro has extensive grouping and containment features to support the most complex grouping or splitting behavior. A process can split or group any object based on its defined properties, includes full support for partial containment, single product containment and exact regrouping of parts.

Data Integration

Simcad Pro interfaces with external data sources for data import and export. Schedules, resource availability, process parameters, routing tables, work flows etc... can be imported into Simcad Pro. Additionally if real time inputs are available, RFID, Simcad Pro will provide real time visibility as well as live future state forecasting.

Additional Features

Simcad Pro supports both continuous & discrete simulations. Additionally Simcad Pro can be integrated into Simcad Online for web based model distribution as well as online scenario analysis. Integrating with Simcad Online also provides a web based dashboard view for users.

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