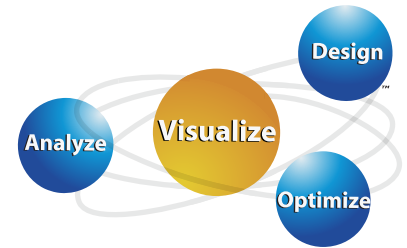


## **SIMCAD PRO** TECHNICAL SPECS



**D**esign, validate, and implement your ideas without disturbing your current operation.

Simcad Pro's dynamic modeling environment enables you to experiment with different solutions and determine the best scenario for your operation.

**Dynamic Simulation:** Interactive simulation provides you with an intuitive environment to develop valid & optimized models quickly and without programming. By eliminating the coding requirements you are now able to develop a model and achieve an optimized state much more quickly than with traditional simulation packages.

### **Modeling Environment**

Simcad Pro's graphical user interface delivers an intuitive easy to use modeling environment enabling full model creation without coding. Building on the ease of use during the development phase of modeling, Simcad's interactive dynamic capabilities empower quick model optimization and turn around.

2D/3D animation is created dynamically based on model behavior. There is no need for an additional tool or to spend extra time animating the model. Users can customize models by utilizing the library of clip art included with Simcad or importing custom images in 2D or 3D formats to further customize the flow and improve model animation. Additionally real time charts and graphs update dynamically as the model develops providing instant feedback on key performance indicators.

### **Reporting**

During the simulation run, Simcad dynamically computes all required information needed to understand and optimize the model. This information is available through multiple extensive reports, real time feedback, as well as through on screen graphs and gauges. Users can also define customized reports. Simcad automatically provides metrics and key performance indicators for every model built empowering users to spend more time optimizing and improving than they do building models.

### **Analysis & Optimization**

Simcad Pro's modeling environment enables users to dynamically interact with the live model. This live interaction delivers quick model turn around by enabling live model optimization. Models can be optimized dynamically or through an integrated model optimizer. With a solution found Simcad Pro runs a Monte Carlo simulation in order to study the variability of the model through time. Additionally, the integrated scenario analysis tool allows users to compare various scenarios and determine the best solution for the operation.

Costing analysis is dynamically computed on an object basis, process basis, and resource basis including transition costs. Each model entity can contain multiple costing parameters to further improve the accuracy of the model.

Simcad interfaces with CAD systems to help identify best equipment location and facility layout in order to maximize efficiency. Dynamic distance calculation is performed based on proximity of the processes, resource and object travel distance is also computed and reported.

Simcad Pro generates a Gantt chart for each object, process, and resource providing a detailed breakdown of cycle time as well as VAT vs. N-VAT for more detailed analysis. Additionally, Simcad Pro's integrated schedule optimizer will optimize the sequence/schedule in order to maximize efficiency.

