

Identifying Cost-Effective Processes Through Simulation

All businesses experience constant change. Successful organizations adapt to changes quickly and efficiently. Business process analysis (BPA) harnesses the strength of well-defined processes and simulation. Simulation helps companies achieve higher levels of process maturity by providing insightful benefits of change.

Use simulation to achieve insights regardless of available data granularity. Establish confidence in implementing cost-efficient business processes without consuming substantial resources. Sharpen your ability to communicate process improvements and choices.



Process simulation

Process simulation helps reveal previously obscure information, and provides actionable insights without impacting existing operations. Specifically, it identifies cost-intensive activities hidden in the overall process flow even when the production data is not available at the desired granularity.

Simulation offers the means to produce and analyze complex real-world 'What if ...?' business processes scenarios. Through process simulation, the cost associated with allocating resources to generate real-world data can be avoided.

After modeling a dynamic BPMN process with activity durations, costs and frequency, simply select Signavio's simulation module. This module validates process improvement assumptions by comparing multiple scenarios without disrupting current operations. This approach identifies suitable improvement measures, reduces unnecessary resource consumption, and avoids implementing sub-optimal processes.

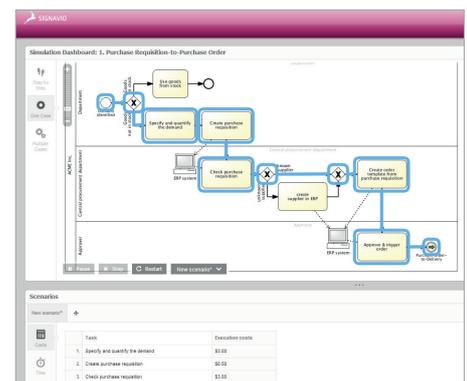
The simulation module is easy-to-use and can help quantify the anticipated benefits associated with the newly defined process, prior to implementation. The simulator highlights costs, cycle

times, and potential bottlenecks. The ability to identify resource constraints, such as staffing, allows you to better plan for future demands.

Signavio's Process Editor offers simulations in 3 modes: 'Step through' mode, '1 case' mode, and 'n case' mode. 'Step through' mode allows you to steer through the process model element-by-element. The '1 case' mode allows you to predefine a single scenario to analyze costs, cycle times, and consumed staffing resources. The 'n case' mode identifies queues and process bottlenecks, and also displays a side-by-side comparison of multiple simulation scenarios.

If simulation is intended, it is essential to ensure that the processes are modeled using BPMN 2.0 elements accepted by the simulation engine. Signavio ensures high quality results by automatically validating the process syntax and logic.

Our mission is to deliver 'best of class' collaborative BPA. Simulation provides the opportunity for our clients to lower cost and reduce the risks associated with process change. With Signavio's integrated simulation, your company is better equipped to adopt positive, results-driven change.



Benefits at a glance

- Predict ROI of change
- Enhance process design evaluation
- Achieve higher levels of process maturity
- Strengthen communication of process choices