


Simulation Software


To test changes to processes and product designs without using valuable real-life resources, many Lean Six Sigma practitioners turn to simulation software. The software allows them to create models based on a process or, in some cases, apply models from a built-in template library to run various experiments and analyses. Ultimately, simulation software can help practitioners make data-based decisions. Those considering software purchases should contact the providers directly.

Company	Product and Release Number	Capabilities and Functionalities																		
		Analysis and Simulation								Animation			Importing and Exporting			Model Building				
		Capability metrics	Custom experiments	Discrete event simulation	Monte Carlo simulation	Optimization experiments	Process simulation	Regression analysis	Sensitivity analysis	Statistical distribution simulation	Tolerance analysis	2-D animation	3-D animation	Ability to export animations	Export data findings directly to Microsoft Office programs	Import from other flowcharting programs	Create reports compatible with Microsoft Office programs	Automated hierarchy	Drag and drop/hyperlinking	
Alion Science and Technology, MA&D Operation 303-442-6947 maad.com	Micro Saint Sharp 3.4																			
AnyLogic North America 480-269-5644 anylogic.com	AnyLogic 6.5																			
BlueOrange Consulting Ltd. 44-141-849-6264 blueorange.org.uk	Process-Model 5.3																			
CMS Research Inc. 920-235-3356 cmsres.com	MAST 9																			
CreateASoft Inc. 630-428-2850 createasoft.com	Simcad Pro 9.5																			
GoldSim Technology Group 425-295-6985 goldsim.com	GoldSim 10.11																			



CMS Research Inc.
John Lenz, 920-235-3356, cms@cmsres.com

MAST is a modeling/analysis tool that assists with the planning of Lean-Sigma operation. MAST is designed for the "black belt" or project coordinator and fills a hole between process mapping and implementation with product flow analysis, Kanban definition and sizing, capacity analysis, labor assignments and flow time targets.



Palisade Corp.
Steve Hunt, 800-432-7475, shunt@palisade.com

Palisade Corporation is the maker of the market leading risk and decision analysis software @RISK. A key application of @RISK is Six Sigma and quality analysis. @RISK uses Monte Carlo simulation to identify, measure, and root out the causes of variability in your production and service processes and designs.

Capabilities and Functionalities				Operating Systems			Pricing			Industry-specific Versions						Format				Training Offered			Support					
Model Building		Template Customization		Windows	Macintosh	Linux	Cost of single-user, commercial license	Discount for multiple license bundles	Educational or academic pricing	Academia	Financial services	Healthcare	Information technology	Manufacturing	Product development	Supply chain	Desktop based	Server based	Web based	Excel add-on	Online	Public, in-person classes	On-site	Software help files	Questions answered by email	Online chat tech support availability	Telephone tech support availability	
•	•		•	•			\$3,000	•	•	•						•						•	•			a		
•	•	•	•	•	•	•	\$6,199	•	•							•						•	•	•	•	a	a	
•	•		•	•			£1,200	•	•	•						•					•	•	•	•	•	a	a	
•	•		•	•		•	\$2,500	•	•				•		•	•						•	•		•	•	a	a
•	•	•	•	•			\$4,950	•	•	•	•	•	•	•	•	•	•				•	•	•	•	•	a	a	
•	•		•	•			\$2,950	•	•	•						•					•	•	•	•	•		a	

Key:

POA = Price on application

a = Normal business hours, Monday to Friday

b = 24 hours a day, 7 days a week

About the guide: Details about the software products were supplied by the providers in response to a questionnaire sent by iSixSigma Magazine editorial staff. The editors have not reviewed any software and do not endorse any particular products. Some providers did not submit information in time for inclusion. Please contact editor@isixsigma-magazine.com to be added to our contact list.

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iGrafx 503-404-6050 igrafx.com	iGrafx 2011	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•
Incontrol Simulation Solutions 31-30-670-40-15 incontrolsim.com	Enterprise Dynamics 8.1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lumina Decision Systems 877-658-6462 lumina.com	Analytica 4.2	•	•	•	•	•	•	•	•	•				•	•	•			•
MJC² 44-1344-760000 mjc2.com	ROCS	•				•		•		•				•		•		•	•
	SLIM	•	•			•				•				•		•		•	•
	PIMSS		•			•					•				•		•		•
Oracle 800-633-0947 oracle.com/crystalball	Oracle Crystal Ball	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	@RISK 5.5	•	•		•	•		•	•	•	•				•		•		•
Palisade Corp. 607-277-8000 palisade.com	Decision Tools Suite 5.5	•	•		•	•		•	•	•	•				•		•		•
	Process Simulator 2010 7.0	•	•	•		•	•	•	•	•	•	•			•	•	•	•	•
SigmaFlow 972-447-8340 sigmaflow.com	Simulator Process Analyzer		•	•		•	•		•	•				•	•	•			•
Simio LLC 412-528-1581 simio.com	Simio 3.0	•	•	•	•	•	•		•	•	•		•	•	•	•	•	•	•
Simul8 Corp. 800-547 6024 simul8.com	SIMUL8 2010 Standard	•	•	•		•	•		•	•	•	•	•	•	•	•	•	•	•

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Manual	Sample model library	Template customization done by provider	Template customization done by user																								
•	•	•	•	•			\$1,449	•	•	•	•	•	•	•	•	•	•				•	•	•	•	•	•	a
•	•	•	•	•			\$4,500	•	•	•	•	•	•	•	•	•	•				•	•	•	•	•	a	a
	•	•	•	•			\$1,295	•	•								•				•	•	•	•	•	a	
•	•	•	•		•		POA	•			•							•			•	•	•	•	•	b	b
•	•	•	•	•	•		POA	•							•			•			•	•	•	•	•	b	b
•	•	•	•	•	•		POA	•					•						•		•	•	•	•	•	b	b
•	•		•	•			\$995	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	a	a
•	•	•	•	•			\$1,495	•	•	•							•			•	•	•	•	•	•	a	a
•	•	•	•	•			\$2,295	•	•	•							•			•	•	•	•	•	•	a	a
•	•		•	•			\$3,500	•	•								•				•	•	•	•	•	a	b
•	•		•	•			\$799	•	•	•	•	•	•	•	•	•	•				•	•	•	•	•	•	a
•	•	•	•	•			\$9,900	•	•	•							•				•	•	•	•	•	•	a
•	•	•	•	•			\$1,495	•	•	•	•	•	•	•	•	•	•				•	•	•	•	•	•	a