

Power system software list

	Name	Site	description
1	EDSA	www.edsa.com	
2	ETAP	www.etap.com	
3	CYME	www.cyme.com	
4	ASPEN	www.aspeninc.com	
5	NEPLAN	www.neplan.ch	
6	DIGSILENT	www.digsilent.de	
7	CAPE	www.electrocon.com	
8	PSS/E, PSS/O	www.pti-us.com	
9	QuickStab® Professional	www.scsc-us.com	
10	SKM Power* Tools	www.skm.com	
11	DINIS	www.dinis.com	
12	SPARD®	www.energyco.com	
13	ESA Easy Power	www.easypower.com	
14	PowerWorld	www.powerworld.com	
15	DSA PowerTools	www.powertechlabs.com	
16	SynerGEE	www.advantica.biz	
17	SCOPE	www.nexant.com	
18	CDEGS	www.sestech.com	
19	ATP/EMTP	www.emtp.com	
20	PSCAD/EMTDC	www.pscad.com	
21	Matpower	www.pserc.cornell.edu/matpower/	
22	Eurostag	www.eurostag.be	
23	IPSA	www.ipsa-power.com	
24	MiPower	www.mipowersoftware.com	
25	Distribution Management System (DMS)	www.dmsgroup.co.yu/	
26	Optimal Aempfast	www.otii.com/aempfast.html	
27	DEW	www.samsix.com/dew.htm	
28	Simpow	www.stri.se	
29	HOMER		
30	HYBRID 2		
31		http://dmoz.org/Science/Technology/ Software_for_Engineering/ Electrical_Engineering/Power_Distribution/	
32	Modelica with ObjectStab		
33	ANA	www.cepel.br	used in Brazil and compiled by our National Research Center in Electrical

			Energy (CEPEL): Anarede - load flow Anafas - short circuit Anatem - electromechanical stability
34	PSAT	http://thunderbox.uwaterloo.ca/~fmilano	Power System Analysis Toolbox; by Dr. Federico Milano
35	TRANSMISSION 2000	http://www.cai-engr.com/T2000.htm	
36	POM tools	http://www.vrenergy.com/	(POM, OPM, BOR,...) for contingency analysis, optimal mitigation measures, Boundary of operating regions, stability...ect.
37	ASPEN	www.aspeninc.com	
38	DINIS	www.dinis.com	
39	ESA Easy Power	www.easypower.com	
40	DSA PowerTools	www.powertechlabs.com	
41	SynerGEE	www.advantica.biz	
42	SCOPE	www.nexant.com	
43	CDEGS	www.sestech.com	
44	CEPEL		CEPEL also have developed the model NH2 for Reliability Analysis in Transmission and Generation (non- sequential statistical Monte Carlo), in which I worked until 2004. We also have the model FLUPOT for Non-Linear Optimal Power Flow using Interior Points with Logarithmic Barrier. Starting from FLUPOT, I developed a new hybrid model using Genetic Algorithms for my master's degree. It is important to point out that these models have "state of art" algorithms in their respective fields and are used by the Brazilian National Operator (ONS).
45	General Electric – PSLF	http://www.gepower.com/prod_serv/products/utility_software/en/ge_pslf/index.htm	
46	WindMil	www.milsoft.com	
47	SinCal	http://www.simtec-gmbh.at/sites_en/sincal-start.asp	
48	Intellicon's Voltage Collapse Diagnostic and Postured Control	http://www.intellicon.biz < http://www.intellicon.biz/ >	
49	Power System Analysis Software Package (PSASP)	www.psasp.com.cn	PSASP is the most widely used software for power system analysis in China, and it has more than 400 users so far.
50	Power System Analysis Software Package "MicroTran"	www.microtran.com http://www.ece.ubc.ca/power/	MicroTran is the electromagnetic transients program (EMTP) version of the University of British Columbia.
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Power system simulation software list

To correct or complete this list, please write to philippe#dot#Martinole#at#teleauto#dot#org

Company	Software	Address
DIgSILENT	Power Factory	http://www.digsilent.de/
Manitoba Hydro	PSCAD	http://pscad.com/
NREL	HOMER, HYBRID 2	http://www.nrel.gov/homer/ http://www.ecs.umass.edu/mie/labs/rerl/hy2/intro.htm
CYME International T&D	PSAF, CYMDIST	http://www.cyme.com/fr/
STRILAB	SIMPOW	http://www.stri.se/metadot/index.pl?id=2189
PowerWorld Corporation	PowerWorld	http://www.powerworld.com/
DMS Group	DMS Software	http://www.dmsgroup.co.yu/
Optimal Technologies	AEMPFAS T	http://www.otii.com/aempfast.html
SAMSIX ED	DEW	http://www.samsix.com/dew.htm
EDSA Micro Corporation	EDSA Micro	http://www.edsa.com/
IPSA Power	IPSA	http://www.ipsa-power.com/

Etap	Etap	http://www.etap.com/
ASPEN	OneLiner, Breaker Rating Module, Relay Database, Power Flow, DistriView, Line Constants, Academic Suite	http://www.aspeninc.com/
Modelica	ObjectStab	http://www.modelica.org/library/ObjectStab/
CESI	SPIRA	http://www.cesi.it/pagina_2.asp?livello=3&cp=03040000&c2=03040300&c3=03040301&cc=&lang=IT
BCP	NEPLAN	http://www.neplan.ch/
Siemens PTI	PSS/E	http://www.pti-us.com/pti/software/psse/index.cfm
ECI	Quickstab	http://www.scsec-us.com/
Electrocon	CAPE	http://www.electrocon.com/
SKM	Power* Tools	http://www.skm.com/index.php3
Fujitsu	DINIS	http://www.dinis.com/
Energy Computer System	SPARD	http://www.energyco.com/
ESA	Easy Power	http://www.easypower.com/index.shtml
Powertech	DSATools	http://www.dsapowertools.com/
Advantica	SynerGEE	http://www.advantica.biz/ http://www.advantica.biz/Default.aspx?page=323
Nexant	Modelex, Gen-se, Topaz, Flash, Trace	http://www.nexant.com/ http://www.nexant.com/products/Power_overview.html
SES	CDEGS	http://www.sestech.com/
Hydro-Québec	EMTP-RV	http://www.emtp.com/

Personal	ATP	http://www.emtp.org/
Tractebel / EDF-RTE	Eurostag	http://www.eurostag.be/
PSerc	MATPOWER	http://www.pserc.cornell.edu/matpower/
V&R Energy System	POM, OPM, BOR ...	http://www.vrenergy.com/
CAI	TRANSMISSION 2000	http://www.cai-engr.com/T2000.htm
Universidad de Castilla-La Mancha	PSAT	http://thunderbox.uwaterloo.ca/~fmilano
CEPEL	Anacoge, Anafas, Anafin, Anaquali, Anatem, Asloss, ...	http://www.cepel.br/servicos/descprog.shtm
Milsoft	WindMil	http://www.milsoft.com/
GE Energy	PSLF	http://www.gepower.com/prod_serv/products/utility_software/en/ge_pslf/index.htm
PRDC	MiPower	http://www.mipowersoftware.com/
University of British Columbia	Microtran	http://www.microtran.com/
Siemens	PSS/NETOMAC	http://www.netomac.com/
The MathWorks	SimPowerSystem	http://www.mathworks.fr/products/simpower/
Cherry Tree Scientific Software	PST	http://www.eagle.ca/~cherry/
Electrotek	PQView,	http://www.electrotek.com/

ek Concept s	PQWeb, SuperHarm , ...	http://www.pqsoft.com/
Personn al	FENDI	http://www.martinole.org/Fendi/
Sumatro n	Power Engineerin g EE Helper	http://www.sumatron.com/
Intellico n	VCCS, CVA, VCPD, THERM, PLSC, PVR, ...	http://www.intellicon.biz
Psap	Psap	http://www.psasp.com.cn/
EleQuan t	AGORA	http://www.elequant.com/products/agora/
Fractal	WINdis, PowerCAD	http://www.fractal.hr/index_en.htm
NexGen	EL-PSoft	http://nexgenconsultancy.com/
Personn al	Power Designer	http://www.baghli.com/

Other lists with the same softwares the 03/2005:

<http://146.83.6.25/software.htm>

http://dmoz.org/Science/Technology/Software_for_Engineering/Electrical_Engineering/Power_Distribution/