

## The List of Fallen Solar Companies: 2015 to 2009:

S.No	Year/Status	Company Name and Details
118	2015	Enecsys (microinverters) bankrupt -- Enecsys raised more than \$55 million in VC from investors including Wellington Partners, NES Partners, Good Energies and Climate Change Capital Private Equity for its microinverter technology.
117	2015	QBotix (trackers) closed -- QBotix had a two-axis solar tracker system where the motors, instead of being installed two per tracker, were moved around by a rail-mounted robot that adjusted each tracker every 40 minutes. But while QBotix was trying to gain traction, single-axis solar trackers were also evolving and driving down cost. QBotix raised more than \$19.5 million from Firelake, NEA, DFJ JAIC, Siemens Ventures, E.ON and Iberdrola.
116	2015	Solar-Fabrik (c-Si) bankrupt -- German module builder
115	2015	Soitec (CPV) closed -- France's Soitec, one of the last companies with a hope of commercializing concentrating photovoltaic technology, abandoned its solar business. Soitec had approximately 75 megawatts' worth of CPV projects in the ground.
114	2015	TSMC (CIGS) closed -- TSMC Solar ceased manufacturing operations, as "TSMC believes that its solar business is no longer economically sustainable." Last year, TSMC Solar posted a champion module efficiency of 15.7 percent with its Stion-licensed technology.
113	2015	Abengoa -- Seeking bankruptcy protection
112	2014 Bankrupt, closed	Areva's solar business (CSP) closed -- Suffering through a Fukushima-inspired slowdown in reactor sales, Ausra
111	2014 Bankrupt, closed	HelioVolt (CIGS thin-film PV) closed --
110	2014 Bankrupt, closed	LDK (vertically integrated module builder) filed for bankruptcy
109	2014 Bankrupt, closed	Masdar PV (a-Si) closed its SunFab-based amorphous silicon PV factory in Germany
108	2014 Bankrupt, closed	SolarMax (PV inverters) -- Swiss inverter maker SolarMax's parent firm, Sputnik Engineering, filed for insolvency
107	2014 Bankrupt, closed	Sopogy (small-scale CSP) closed --
106	2014 Bankrupt, closed	TEL (a-Si) withdrew from its a-Si solar business

105	2014 Bankrupt, closed	Xunlight (a-Si) went bankrupt
104	2014 Acquisition, sale	Emcore's CPV business -- Suncore acquired the remaining interest in Emcore's CPV business.
103	2014 Acquisition, sale	RSI (CdTe PV panels) sold to Chinese strategic -- RSI, a VC-funded cadmium telluride thin-film solar module startup formerly known as Reel Solar, was acquired by an undisclosed "Chinese strategic," according to the company's CEO
102	2014 Acquisition, sale	Solar Junction (CPV semiconductors) sold to Saudi strategic
101	2014 Acquisition, sale	SAG Solarstrom, a bankrupt PV project developer, was sold to Shunfeng Photovoltaic, the new owner of PV panel builder Suntech, in an \$85 million deal. Germany's SAG Solarstrom ranked among the top ten of PV O&M providers in the world in 2013
100	2013 Bankrupt, closed	Array Converter (Module-level power electronics) bankrupt, IP to VC investor
99	2013 Bankrupt, closed	Avancis (CIGS) discontinuing production
98	2013 Bankrupt, closed	Bosch (c-Si PV module) exits module business
97	2013 Bankrupt, closed	Concentrator Optics (CPV) bankrupt
96	2013 Bankrupt, closed	Cyrium (CPV semiconductors) bankrupt
95	2013 Bankrupt, closed	Direct Grid (microinverters) closed
94	2013 Bankrupt, closed	GreenRay (microinverters) closed
93	2013 Bankrupt, closed	Helios Solar (c-Si modules) bankrupt
92	2013 Bankrupt, closed	Hoku Solar (silicon) bankrupt
91	2013 Bankrupt, closed	Honda Soltec (CIGS thin-film modules) closing
90	2013 Bankrupt, closed	Infinia (Stirling engine CSP) bankrupt
89	2013 Bankrupt, closed	Nanosolar (CIGS) closed
88	2013 Bankrupt, closed	Pythagoras Solar (BIPV) closed
87	2013 Bankrupt, closed	Solarion (CIGS) went bankrupt but restructured and in limited production
86	2013 Bankrupt, closed	SolFocus (CPV) bankrupt
85	2013 Bankrupt, closed	Sunsil (module level electronics) closed
84	2013 Bankrupt, closed	Suntech Wuxi (c-Si) bankrupt

83	2013 Bankrupt, closed	Tioga (project developer) closed
82	2013 Bankrupt, closed	Willard & Kelsey (CdTe panels) bankrupt
81	2013 Bankrupt, closed	ZenithSolar (CHP) bankrupt
80	2013 Acquired	Agile Energy (project developer) acquired by RES Americas
79	2013 Acquired	Bosch (c-Si PV module) acquired by SolarWorld
78	2013 Acquired	Diehl (Germany inverters) inverter division sold to PE firm mutares AG
77	2013 Acquired	Conergy (c-Si module) -- Astronergy, a part of China's Chint Group, acquired Conergy's PV module manufacturing assets. Kawa Capital Management purchased the solar projects business.
76	2013 Acquired	GE-Primestar (CdTe technology acquired from PrimeStar) acquired by First Solar
75	2013 Acquired	Global Solar Energy (CIGS) acquired by Hanergy
74	2013 Acquired	Infinia (Stirling engine CSP) assets acquired by Israel's Qnergy
73	2013 Acquired	MiaSolé (CIGS) acquired by China's Hanergy
72	2013 Acquired	NuvoSun (CIGS) acquired by Dow
71	2013 Acquired	Suntech Wuxi (c-Si) acquired by Shunfeng Photovoltaic International for \$492 million
70	2013 Acquired	Twin Creeks (kerfless Si) IP and other assets acquired by GT Advanced Technology
69	2013 Acquired	Wuerth Solar (installer) business turned over to BayWa
68	2013 Acquired	Wuerth Solar (CIGS line) taken over by Manz
67	2013 Acquired	ZenithSolar (CHP) acquired by Suncore
66	2012 Bankrupt, closed	Abound Solar (CdTe) bankrupt
65	2012 Bankrupt, closed	AQT (CIGS) closed
64	2012 Bankrupt, closed	Ampulse (thin silicon) closed
63	2012 Bankrupt, closed	Arise Technology (PV modules) bankrupt
62	2012 Bankrupt, closed	Azuray (microinverters) closed
61	2012 Bankrupt, closed	BP (c-Si panels) exits solar business
60	2012 Bankrupt, closed	Centrotherm (PV manufacturing equipment) bankrupt and restructured

59	2012 Bankrupt, closed	CSG (c-Si on glass) closed by Suntech
58	2012 Bankrupt, closed	Day4 Energy (cell interconnects) delisted from TSX exchange
57	2012 Bankrupt, closed	ECD (a-Si) bankrupt
56	2012 Bankrupt, closed	Energy Innovations (CPV) bankrupt
55	2012 Bankrupt, closed	Flexcell (a-Si roll-roll BIPV) closed
54	2012 Bankrupt, closed	Gadir Solar (a-Si PV) Spain-based customer of Oerlikon Solar closed
53	2012 Bankrupt, closed	GlobalWatt (solar) closed
52	2012 Bankrupt, closed	GreenVolts (CPV) closed
51	2012 Bankrupt, closed	G24i (DSCs) bankrupt in 2012, re-emerged as G24i Power with new investors
50	2012 Bankrupt, closed	Hoku (polysilicon) shut down its Idaho polysilicon production facility
49	2012 Bankrupt, closed	Inventux (a-Si) bankrupt
48	2012 Bankrupt, closed	Konarka (OSCs) bankrupt
47	2012 Bankrupt, closed	Odersun (CIGS) bankrupt
46	2012 Bankrupt, closed	Pramac (a-Si panels built with equipment from Oerlikon) insolvent
45	2012 Bankrupt, closed	Pairan (Germany inverters) insolvent
44	2012 Bankrupt, closed	Ralos (developer) bankrupt
43	2012 Bankrupt, closed	REC Wafer (c-Si) bankrupt
42	2012 Bankrupt, closed	Satcon (BoS) bankrupt
41	2012 Bankrupt, closed	Schott (c-Si) exits c-Si business
40	2012 Bankrupt, closed	Schuco (a-Si) shutting down its a-Si business
39	2012 Bankrupt, closed	Sencera (a-Si) closed
38	2012 Bankrupt, closed	Siliken (c-Si modules) closed
37	2012 Bankrupt, closed	Skyline Solar (LCPV) closed
36	2012 Bankrupt, closed	Siemens (CSP, inverters, BOS) divestment from solar
35	2012 Bankrupt, closed	Solar Millennium (developer) insolvent

34	2012 Bankrupt, closed	Solarhybrid (developer) insolvent
33	2012 Bankrupt, closed	Sovello (Q-Cells, Evergreen, REC JV) bankrupt
32	2012 Bankrupt, closed	SolarDay (c-Si modules) insolvent
31	2012 Bankrupt, closed	Solar Power Industries (PV modules) bankrupt
30	2012 Bankrupt, closed	Soltecture (CIGS BIPV) bankrupt
29	2012 Bankrupt, closed	Sun Concept (developer) bankrupt
28	2012 Acquisition, fire sale, restructuring	Oelmaier (Germany inverters) insolvent, bought by agricultural supplier Lehner Agrar
27	2012 Acquisition, fire sale, restructuring	Q-Cells (c-Si) insolvent, acquired by South Korea's Hanwha
26	2012 Acquisition, fire sale, restructuring	Sharp (a-Si) backing away from a-Si, retiring 160 of its 320 megawatts in Japan
25	2012 Acquisition, fire sale, restructuring	Solibro (CIGS) Q-Cells unit acquired by China's Hanergy
24	2012 Acquisition, fire sale, restructuring	Solon (c-Si) acquired by UAE's Microsol
23	2012 Acquisition, fire sale, restructuring	Scheuten Solar (BIPV) bankrupt, then acquired by Aikosolar
22	2012 Acquisition, fire sale, restructuring	Sunways (c-Si, inverters) bought by LDK, restructuring to focus on BIPV and storage
21	2011 Bankrupt, closed	EPV Solar (a-Si) bankrupt
20	2011 Bankrupt, closed	Evergreen (drawn Si) bankrupt
19	2011 Bankrupt, closed	Solyndra (CIGS) bankrupt
18	2011 Bankrupt, closed	SpectraWatt (c-Si) bankrupt
17	2011 Bankrupt, closed	Stirling Energy Systems (dish engine) bankrupt
16	2011 Acquisition, sale	Ascent Solar (CIGS) acquired by TFG Radiant
15	2011 Acquisition, sale	Calyxo (CdTe) acquired by Solar Fields from Q-Cells
14	2011 Acquisition, sale	HelioVolt (CIGS) acquired by Korea's SK Innovation
13	2011 Acquisition, sale	National Semiconductor Solar Magic (panel optimizers) exited systems business

12	2011 Acquisition, sale	NetCrystal (silicon on flexible substrate) acquired by Solar Semiconductor
11	2011 Acquisition, sale	Soliant (CPV) acquired by Emcore
10	2009 – 2010 Bankrupt, closed, acquired	Advent Solar (emitter wrap-through Si) acquired by Applied Materials
9	2009 – 2010 Bankrupt, closed, acquired	Applied Solar (solar roofing) acquired by Quercus Trust
8	2009 – 2010 Bankrupt, closed, acquired	OptiSolar (a-Si on a grand scale) -- OptiSolar's utility projects were acquired by First Solar; its manufacturing line was sold to NovaSolar
7	2009 – 2010 Bankrupt, closed, acquired	Ready Solar (PV installation) acquired by SunEdison
6	2009 – 2010 Bankrupt, closed, acquired	Solasta (nano-coaxial solar) closed
5	2009 – 2010 Bankrupt, closed, acquired	SV Solar (low-concentration PV) closed
4	2009 – 2010 Bankrupt, closed, acquired	Senergen (depositing silane onto free-form metallurgical-grade Si substrates) closed
3	2009 – 2010 Bankrupt, closed, acquired	Signet Solar (a-Si) bankrupt
2	2009 – 2010 Bankrupt, closed, acquired	Sunfilm (a-Si) bankrupt
1	2009 – 2010 Bankrupt, closed, acquired	Wakonda (GaAs) acquired by Siva

If we missed a firm, please, dear reader, let us know, and we'll amend the list.

Source:

<http://www.greentechmedia.com/articles/read/The-Mercifully-Short-List-of-Fallen-Solar-Companies-2015-Edition>