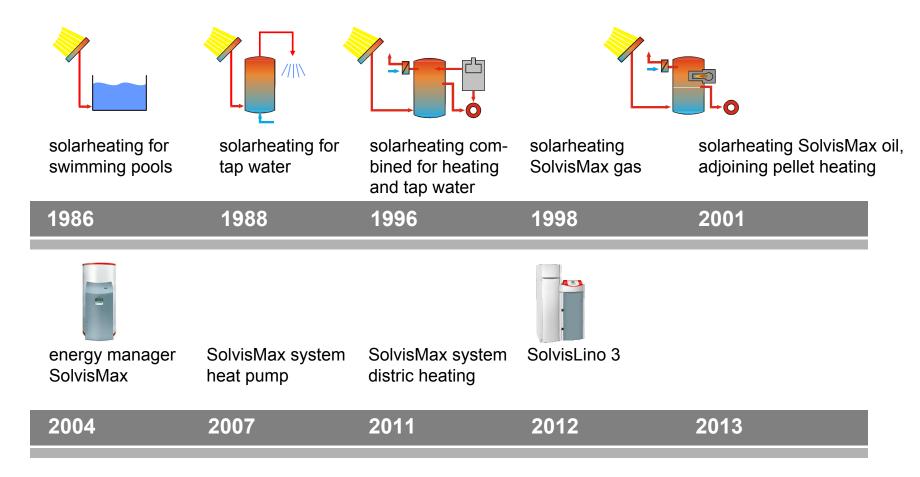


Welcome to SOLVIS.





Development of the product.





History of the company.

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Jäger Solartechnik	formation of Solvis	formation limited partnership (Kommanditgesell- schaft)	nationwide service network	zero emission factory
1986	1988	1994	1998	2002
	5 employees	34 employees	34 employees	91 employees

absorber production at Solvis	n sales company in spain	25 years Solvis		
2006	2010	2013	2014	2016
150 employees	300 employees			



Solvis 2012.

- unique concept for solarheating system
- 64 million € business volume in 2011
- ca. 280 employees, including 35 shareholder
- 29 sale agencies and 29 service partners in Germany
- subsidiary company in Spain
- sale agencies in Italy, Portugal, Belgium, Luxembourg, Austria, Switzerland, Baltic States und Greece
- Europe's largest zero emission factory
- the most energy-efficient commercial property in 2008
- technological leader of solarheating systems in Germany and Europe

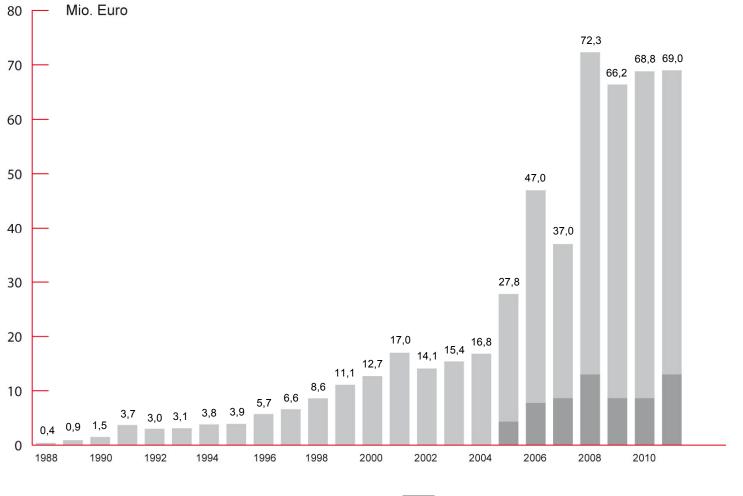


Solvis sales areas.





Solvis business volume from 1988 to 2011.



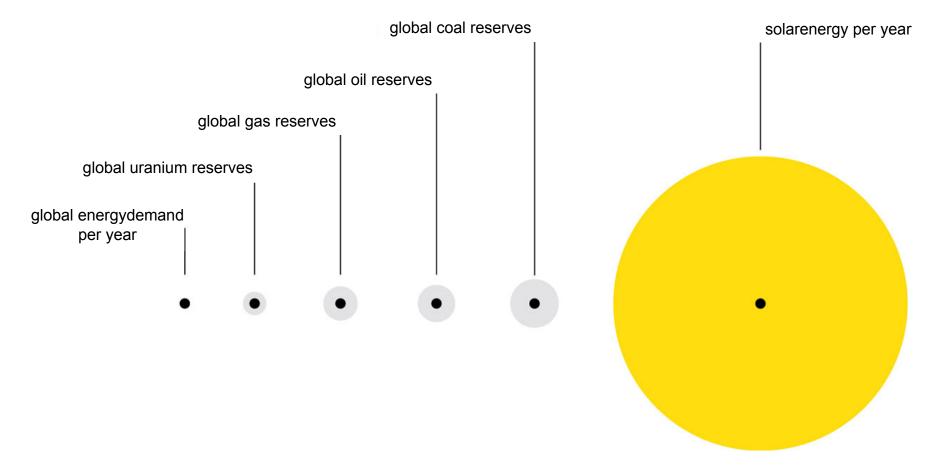
The new heating.

sales germany



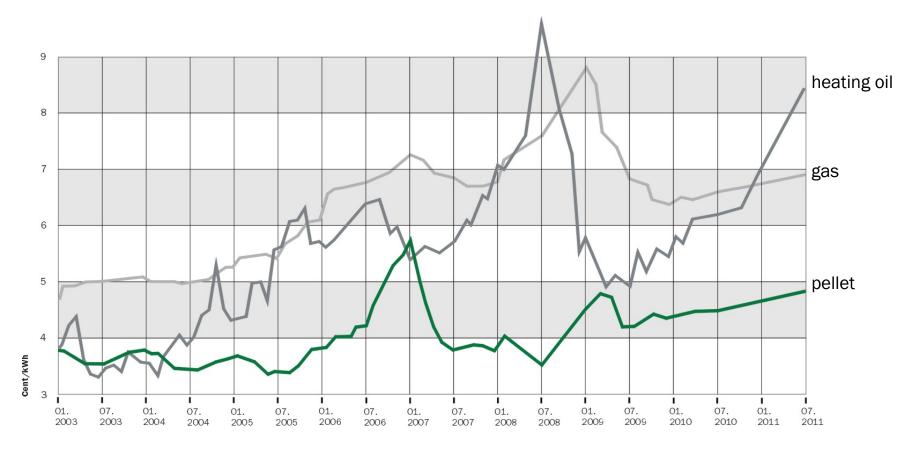


Global energy reserves.





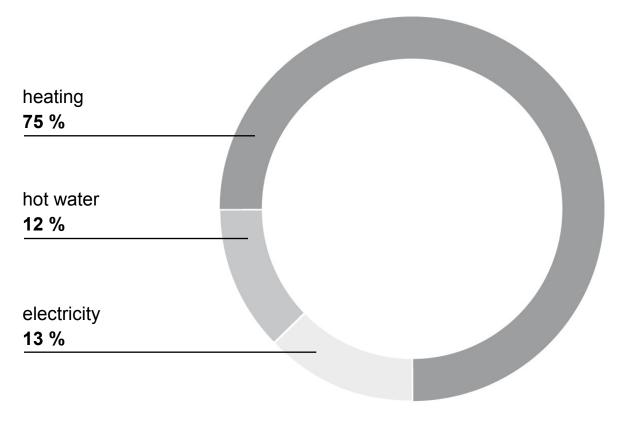
Price development of different fuels in Germany.



source: Deutscher Energie-Pellet-Verband e.v.



Energy consumption in a regular domestic home.



source: dena

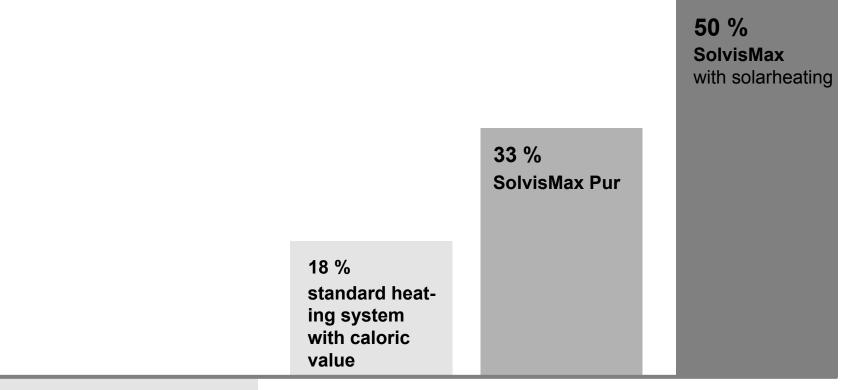


Comparing 1 m² solarheating to 1 m² photovoltaics.





Massive reduction of energy costs.



standard heating system: no reduction of costs



An example.



A comment of the customer/owner:

"The Solvis-partner made us feel secure, we gave ourselfs in the best possible hands. I am totally satisfied whith the whole project." Family home, Salzgitter-Gebhardshagen, year of construction: 1985 110 m², 4 people

heating upgrading in 2006: solarheating SolvisMax gas 650 l, 2 collectors SolvisFera F-552 (11 m²), Inside roof-installation

average demand of the old old heating to 2006: **3.900 m³ gas** demand of the new solarheating SolvisMax gas (2007): **1.800 m³ gas**

54 % fuel + 54 % CO₂ reduction!



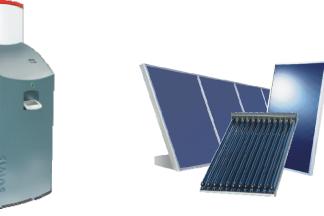
Why should we rely on solar energy?

- the largest and the most secure energy source for at least a few billion years.
- clean and for free: no emissons and no hidden costs.
- think local: the energy is used where it is produced.
- no use of imported fossil energy: independence of politics, crisis and rising prices.
- solarheating systems are effective and have a long-life guarantee.
- solar energy creates and secures workplaces.
- increases the value of the property.
- saving resources and the environment.





The products.



SolvisMax

Solar collectors





SolvisLino 3

SolvisDirekt and SolvisVital



Energy management at it's best.





The unique flexible system.

solarheating SolvisMax	heating SolvisMax Pur	solarstorage SolvisMax Futur

the perfect solution.

Start reducing the energy costs dramatically with the Solvis Max solarheating system.

add the collector later.

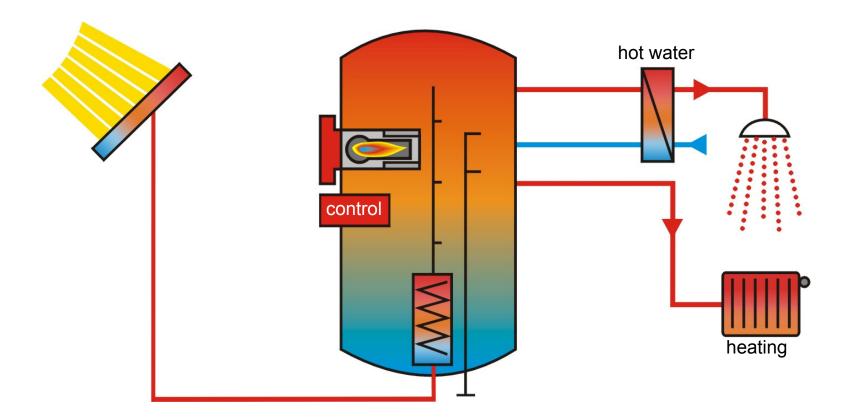
Get the new heating system first and add the collector later

add the burner later.

Leave the (old) heating system at work and add the efficient collector. The flexible system allows to integrate a new burner into the storage later.

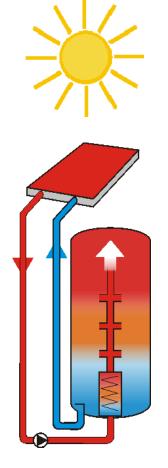


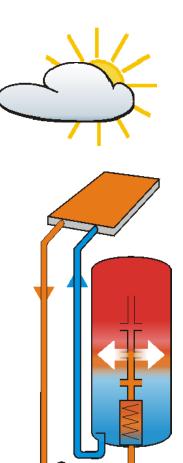
This is how the system works.





Stratified storage.



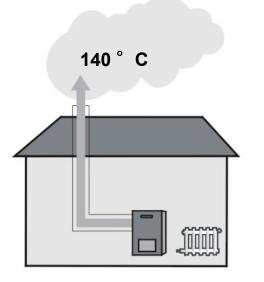


Europapatent für Solvis-Schichtenlader

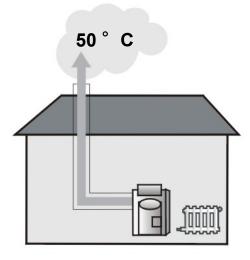




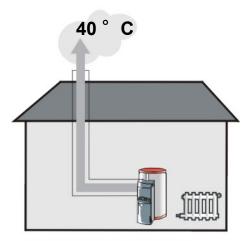
Caloric value.



old heating system: annual use efficiency 68 % (incl. water heating at summer operation)



caloric value heating system: annual use efficiency 92 % (incl. water heating at summer operation)



SolvisMax Gas:

annual use efficiency **106 %** (incl. water heating at summer operation)

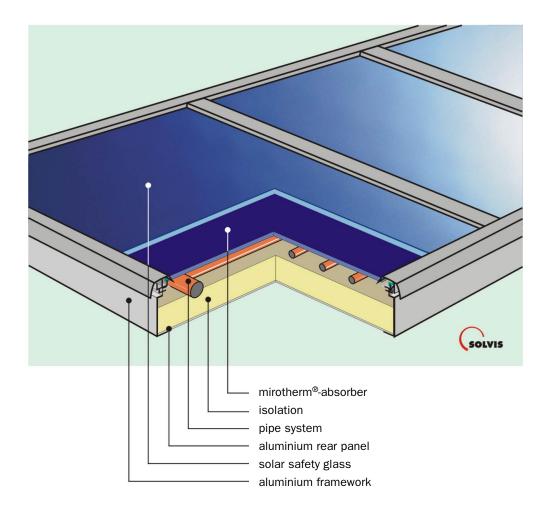
consumption 4.000 m³ gas/a.

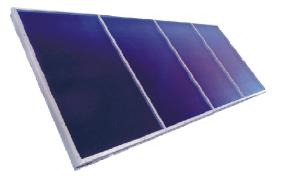
reduced to **3.000 m³** gas/a.

reduced to **2.600 m³** gas/a.



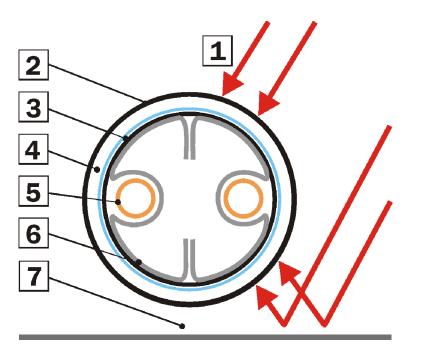
The assembly of a solarheating collector SolvisFera.



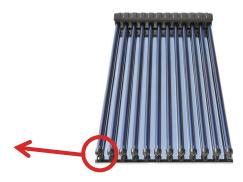




Maximum efficiency: evacuated tube collector.



- 1 sunlight
- 2 special glass tube
- 3 high selectiv laminated inner tube
- 4 vacuum
- 5 copper tube
- 6 heat conduction layer (aluminium)
- 7 ceramic laminated mirror



- vacuum for minimal heat loses
- ceramic laminated mirror:

high efficiency and weather resistant

 up to 25% more earnings compared to a plain collector



The compact collector SolvisCala.





SolvisFera in Geesthacht near Hamburg.





Join the Solvis family.

Bachelor and master assignments

these are the assignment offerings:

- Iarge solar/heating plants
- SolvisMax heat pump
- collector development/sun simulation
- SolvisMax pellet
- solar cooling Solare Kühlung
- Development and improvement SolvisMax

what we are looking for:

- you already passed most of you exams
- Aim of your Studies: energy or mechanical engineering
- six month time for you assignment
- you are adepted at working with your hands

what we offer you:

- individual assistance
- self dependent workingeigenverantwortliches Arbeiten
- volle Einbindung in die Arbeitsprozesse
- Solvis payment

Die neue Heizung.

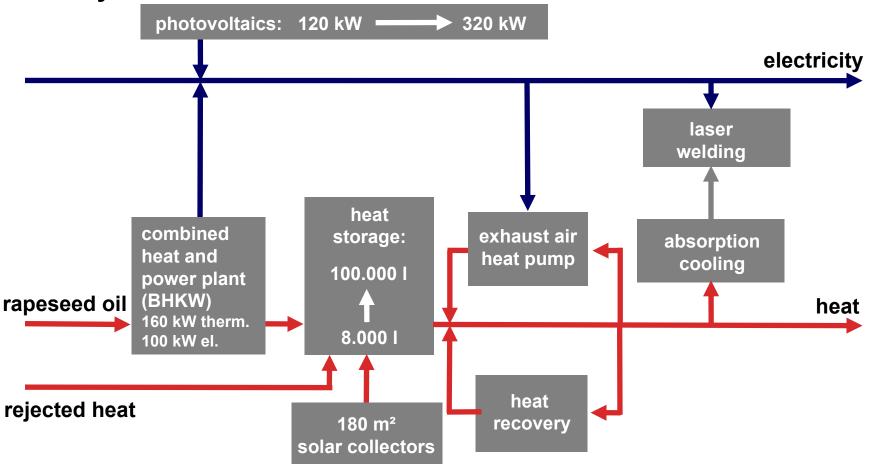


Zero emission factory.



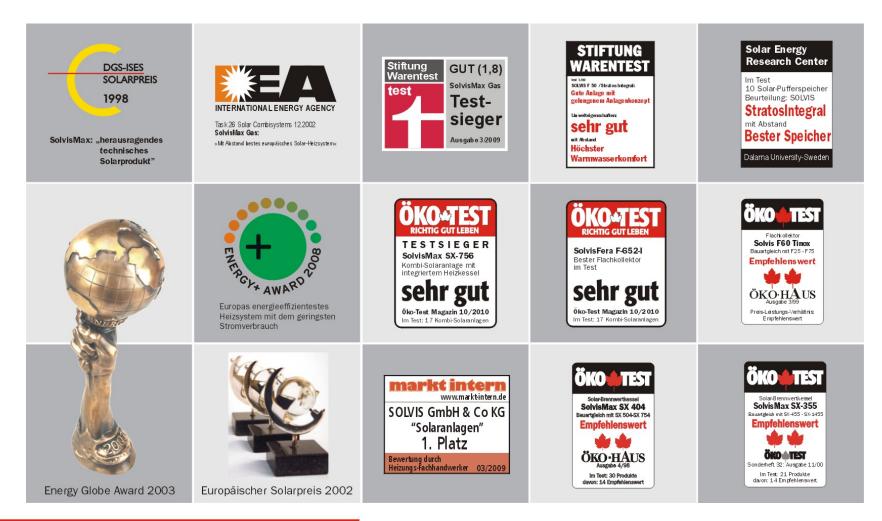


Upgrade a zero emission factory to a solar energy factory.





Thank you for your attention.



... here are a few of our rewards earned