

## Summary

The country has favourable conditions for solar thermal use. It has an average amount of solar radiation and high demand for heat due to the relatively cold winters. The market is overall still rather small although it is growing especially over the last few years.

Basically all well-known manufacturers are present on the Hungarian market and the market becomes slowly but surely transparent. Despite the fact that many companies are present on the market, no marketing activities are targeted to the wider public. Only companies provide training and there is no educational facility or independent training institution.

### Country Overview

- Population: 10 million inhabitants
- Size: 93 030 km<sup>2</sup>
- GDP pc (€): 9 222 (PPP)
- Climate: Hungary has a Continental climate, with hot summers with low overall humidity levels but frequent rainfalls and cold snowy winters. The climate varies very slightly in the different regions.

### Temperature Data

Indicator	Value
Average annual temperature (°C)	9.7
Average temperature in summer (°C)	27-35
Average temperature in winter (°C)	0 - -15
Average annual precipitation (mm)	600

## Market potential: solar radiation and heat demand

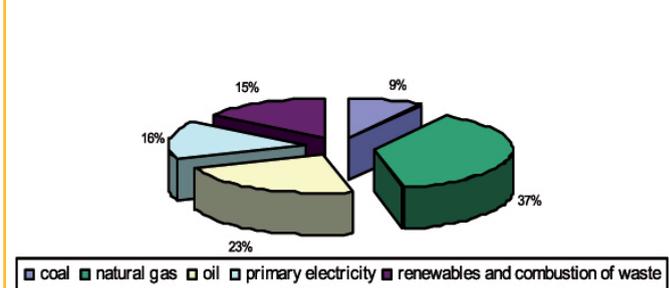
### Global Radiation

The global radiation's yearly amount differs from 4300 to 4700 MJ/m<sup>2</sup> in the different geographical regions of the country



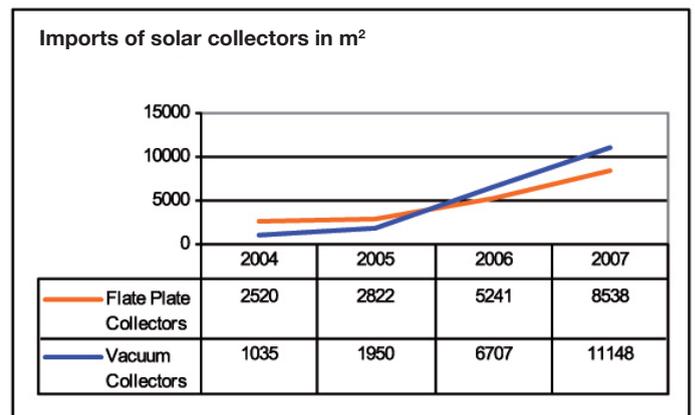
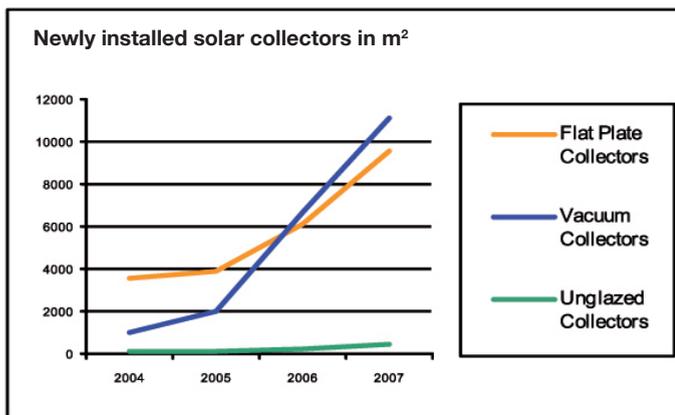
### Forecast energy consumption

According to the Energy Policy of Hungary a significant rise in the share of renewables should be reached by 2020 since dependency on energy import is high especially in natural gas and oil. Fuel and energy demand is expected to grow over the next decades.



## Solar Thermal Statistics

Newly installed					
Type/Year	2004	2005	2006	2007	Total
Flat	3520	3922	6141	9538	23121
Vacuum	1035	1950	6707	11148	20840
Unglazed	108	156	212	398	874
<b>Total</b>	<b>4663</b>	<b>6028</b>	<b>13060</b>	<b>21084</b>	<b>44835</b>



## Sources of financial support

Title of support	Description	Specification of projects	Height of donation
National Energy Efficiency Program (Nemzeti Energiahatékonysági Program)	The main aim of the National Energy Efficiency Program is to increase the population's use of renewables thanks to grants.	Modernization of heat isolation of windows/doors, heating and/or domestic hot water- supply appliances, change from traditional energy sources to renewable energy sources.	maximum of 30% of the investment, but maximal 1.200.000,-Ft (cc. 4.800 Euro) per flat.
	The main aim of the National Energy Efficiency Program is to increase the population's use of renewables thanks to loans at preferential conditions.	Modernization of heat isolation of windows/doors, heating and/or domestic hot water- supply appliances, change from traditional energy sources to renewable energy sources.	0-70% of the total investment cost but maximum 2.800.000 -Ft (approx. 11.200 Euro) per flat.

## Further information

Further information on: [www.cres.gr/trans-solar](http://www.cres.gr/trans-solar)