

Quality assurance of solar technology products in the Slovak Republic

Solar Keymark Network Meeting
October 5. - 6. 2011 Paris, France
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Brief introduction of TSU Piestany

Key activities :

Conformity assesment

Notified Body No. 1299 for following **New Approach Directives**:

89/106/EEC	Construction products
92/42/EEC	Efficiency requirements for new hot water boilers
93/42/EEC	Medical devices
97/23/EC	Pressure equipment
2000/14/EC	Noise emission in the environment by equipment for use outdoors
2004/108/EC	Electromagnetic compatibility
2006/42/EC	Machinery
2006/95/EC	Electrical equipment designed for use within certain voltage limits
2009/48/EC	Safety of toys
2009/105/EC	Simple pressure vessels
2009/142/EC	Appliances burning gaseous fuels

Brief introduction of TSU Piestany

Certification

- **Products** (Body accredited to EN 45011)
- **QMS** (Body accredited to EN ISO/IEC 17021)
- **Persons** (Body accredited to EN ISO/IEC 17024)

Inspection (Body accredited to EN ISO/IEC 17020)

Testing (Labs accredited to EN ISO/IEC 17025)

Main area of Product Certification and Testing:

machinery, equipment, devices and units intended to use in household, services, machinery, gas, printing, chemical and wood-working industry, construction products, **solar thermal products**, metallurgical products, steel ropes, consumer goods, gaming machines, metal packagings

Regulatory framework

Requirements of legislation for solar collectors and systems in the Slovak Republic are in accordance with EU legislation.

The Slovak Republic follows solely its own legislative requirements in the field of grants for solar collectors.

Public Incentives

Grants for solar collectors have been allocated since 2010. In 2011, applications for grants for solar collectors and biomass boilers are reviewed according to revised terms of the „Appeal for application submit to support usage of biomass and solar energy.“

Grant

- 200 € for 1 m² of solar collectors surface installed in a family house, within the range of max. 8 m² of the surface,
- 100 € for 1 m² of solar collectors surface installed in an apartment house; max. amount granted is 300 € for each apartment, which uses hot water from installed solar collectors.

Technical terms of grants

- Application form submitted by owner of family house, apartment house or administrator of apartment house to gain the grant,
- Solar Keymark Certificate for installed type of collector,
- Certificate of minimal energy yield of 525 kWh/year /1 m² of the surface (issued by TSU Piestany)

Public Incentives

Certificates of minimal energy yield of 525 kWh/year /1 m² of the surface issued:

- in 2009 - 19 pcs
- in 2010 - 134 pcs
- in 2011 - 42 pcs

Number of application forms for grants to 27.7.2011:

- Solar collectors in family houses - 4529 pcs
- Solar collectors in apartment houses - 37 pcs

Total number of all application forms for solar collectors to 27.7.2011 is 4566.

Total number of all **approved grants** for solar collectors to 27.7.2011 is 4115.

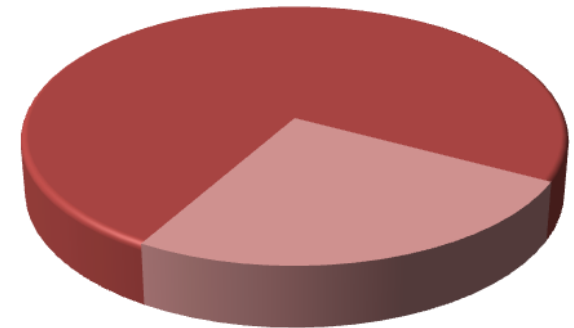
The approved sum of grants is 3 994 340 €

Minimal production of solar heat at guaranteed solar yield of 525 kWh/year /1 m² :
13 614 300 kWh/year.

Public Incentives

Number of households with solar collectors to 27.7.2011:

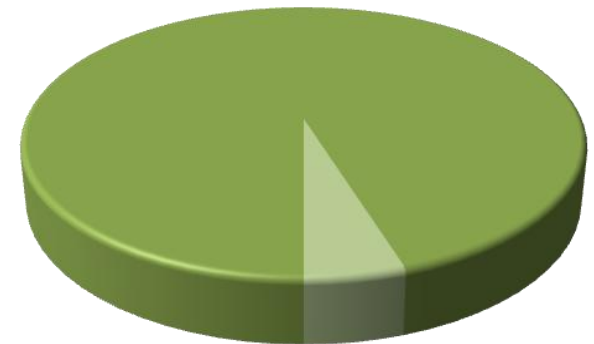
- Family houses - 4529 pcs
- Apartments in apartment houses - 1559 pcs



Installed surface:

- Installed surface of solar collectors in family houses: 24 647 m²
- Installed surface of solar collectors in apartment houses: 1 285 m²

Total installed surface of solar collectors: 25 932 m²



Testing

There is only one testing institute for testing of solar collectors and solar components in the Slovak Republic - TSU Piestany (lab accredited according to STN EN ISO/IEC 17025:2005)

This testing institute was recognized as Testing Laboratory in Solar Keymark System.

TSU Piestany performs testing on the base of standards of EN 12975 and EN 12976 series.

Certification

Product Certification:

- Voluntary Product Certification of solar collectors and systems
- 1 Certification Body empowered by CEN for issue of Solar Keymark licenses – TSU Piestany (ID 029)

Certification of installation and service technicians:

- under preparation according to EU Directive 2009/28/EC on the promotion of the use of energy from renewable sources

Insurance

Solar collector is mostly a part of building insurance.

There are also various types of insurance for solar systems that are not part of the building, or building insurance.

Other relevant information

Solar Keymark promotion in the Slovak Republic

Representatives of TSU Piestany took part on specialized events:

- SLOVAK INNOVATIVE ENERGY AGENCY workshop to the REQUEST Project, Bratislava 18.1.2011, Mr. Emanuel Godál
- International Conference – Heating 2011, Stará Ľubovňa 28.2. – 4. 3. 2011, Section of Renewable Energy Sources, Mr. Igor Kuruc, Mr. Emanuel Godál
- European Days of Solar Energy, 12.-13.5.2011, Piešťany, Mr. Tomáš Bednárík
- CONECO RACIOENERGY 2011 – international fair, 29.3. -2.4. 2011, Bratislava, promotion, Mr. Emanuel Godál, Mr. Tomáš Bednárík

Promotion:

- Brochures about Solar Keymark provided by TSU
- Brochure about Solar Keymark provided by ESTIF – Slovak version
- Information on web-site of TSU www.tsu.sk

Trade Barriers

There are no trade barriers on Slovak market.

Actions needed

It is necessary to prepare national certification plan for service technicians based on EU Directive 2009/28/EC on the promotion of the use of energy from renewable sources.



Thank you for your attention