



BIPV in Baltic countries

Trade mission to Vilnius, Lithuania

19-20 May 2015



***A unique opportunity to meet
major Eastern Europe PV players, industry and research institutions***

- ***Business opportunities in Vilnius Sunrise Valley***
- ***Partnerships for innovative construction projects***
- ***Networking for R&D projects in Horizon 2020***

***Organised by the SOLARROK clusters, this mission addresses
European manufacturers, designers, architects, building engineers,
developers and investors concerned with BIPV.***

SOLARROK is a network of 8 European clusters committed to boost competitiveness of the European photovoltaics industry.

The SOLARROK network stands for 600 companies & 40 research institutes across all over Europe: Navarra (Spain), Rhône-Alps (France), Central Germany, Slovenia, Austria, Lithuania, Belgium, Netherlands, Belgium and Norway. The consortium puts a considerable power in motion facilitating collaboration within joint projects within Europe as well to outreach to extra-European markets.

Several actions are currently organised that will help to establish and share bridgeheads within European Union as well as in the most interesting emerging markets for PV for example in Tunisia, Egypt or Turkey. This coordinated market presence of the European PV key players and innovation forces should create a win-win situation for all involved actors and strengthen Europe's PV common voice in the rapidly developing markets for solar power.



Follow our activities on www.solarrok.eu

AGENDA

FIRST DAY: 19 May, Vismaliuku str. 18, Vilnius, Lithuania

9.30-10.00	Registration and welcome coffee	
10.00-10.20	Welcome and presentation of hosting organizations	Prof. Algis Galdikas, Protech CEO
10.20-10.40	Welcome by the Ministry of Economy and Vilnius Municipality representatives	
10.40-11.40	Presentations of the Lithuanian PV industrial cluster and its BIPV related activities	ProTech, SOLITEK, GLASSBEL
11.40-12.10	Lithuanian smart specialization priorities and business opportunities for the PV sector in Lithuania	
12.10-12.30	Restarting Vilnius: "Sunrise Valley" and investment opportunities in the Vismaliukai innovation investment zone (VIIZ)	Prof. Simas Ramutis Petrikis, VIIZ President
12.30-13.30	Networking lunch	
13.30-14.00	International Energy Agency PV Power Systems programme Task 15: "Acceleration of BIPV"	Dr. Otto Bernsen, IEA
14.00-14.30	European Union PV Technology Platform Working Group on BIPV	Gaetan Masson, Bequerel Institute, co-chairman of PVTP
14.30-15.00	Double trouble: Compliance with PV and building related standards	Dr. Francesco Frontini, Swiss BIPV Competence Center
15.00-15.30	Coffee break	
15.30-16.30	Presentations of invited companies	
16.30-17.30	Round table discussion: Why is there no breakthrough in PV products for building environment market?	
19.00	Networking dinner	



SECOND DAY: 20 May, Mokslininku str 6A, LT-08412 Vilnius, Lithuania

8.30-9.00	Registration and welcome coffee	
9.00-9.20	Welcome and presentation of hosting organizations	V. Janulevičius SOLITEK CEO
9.20-10.20	Presentations of Lithuanian PV industries	SOLITEK group, etc
10.20-11.00	Coffee break	
11.00-12.00	Presentations of invited companies	
12.00-13.00	Networking lunch	
13.00-14.00	Round table discussion: Solutions for PV integration into building environment (focus on products, manufacturing and cost effectiveness issues)	
14.00-15.00	Visit to SOLITEK production facilities	

HOSTING ORGANISATIONS PROFILES

The Applied Research Institute for Prospective Technologies

ProTech is a non-governmental, non-profit research institute operating since 2005. The Institute specializes in industrial and pilot scale R&D.

ProTech is the coordinator of Lithuanian national photovoltaic technology cluster and the cluster's R&D and testing infrastructure. Institute is responsible for conduction of cluster's R&D activities as well as acquiring and exploitation of equipment.

ProTech is an owner of testing and characterization capabilities for solar cells, PV modules and PV power plants. The Institute is working with the in-line industrial scale R&D equipment for PERC solar cells manufacturing like Linea and Singular XP1500 and own the cSi solar cells industrial lab for next generation PV solar cells technology development and small series production.

<http://www.protechnology.lt>

Photovoltaics Technology Cluster

PV Technology Cluster is a non-governmental group established at the beginning of 2008 in Vilnius uniting industry and R&T institutions.

The objective of the Cluster is to consolidate Lithuanian companies and research institutions operating in PV technologies sector in order to increase sustainability and competitiveness of national PV sector. The Cluster is a member of EPIA. Cluster administrator is the Applied Research Institute for Prospective Technologies.

29 research centres and business companies operating in various sectors related to photovoltaic technologies have joined the Cluster.

<http://pv.protechnology.lt>

SoliTek

SoliTek holds a complete production chain from PV cell manufacturing to finished PV module assembly and delivery to the customer. The company specialises in multi-si PV cell (80 MW / year) and Glass/Glass technology PV module (60 MW / year) manufacturing. A variety of customer segments are addressed including private residential, commercial segment and governmental organisations. With the rapidly developing SoliTek R&D department and ability to significantly increase multi-si PV cell efficiency there was decided to produce multi-si cells in-house. In combination with innovative (Butyl edge-sealing) Glass/Glass PV module technology SoliTek is able to provide the top-edge quality product to the market.

<http://www.solitek.eu>



GLASSBEL

The mission of GLASSBEL is to develop and propose solutions in glass which will provide a long-term return on investment due to the high performance properties of the product as well as creating expressive architectural style on a building. The ultimate customer of GLASSBEL is the investor – therefore the company cooperates closely with leading developers, architectural practices, façade consultants, façade companies & construction companies to find the best solutions.

GLASSBEL has many years of successful experience in implementing projects on different continents and in different climatic conditions. GLASSBEL references range from ambitious projects to architectural masterpieces including office buildings, airports, railway stations, sports arenas, hotels, special-purpose buildings and houses that have been successfully completed with our participation.

GLASSBEL is a team of specialists in the field of glass processing, engineering, innovation, design that provide competent, technical consulting and solutions to the Client's specific requirements.

<http://glassbel.com>



LITHUANIA: MAIN FIGURES*

Population ¹	2.98 million	Real GDP growth ²	2.9% - 2014,
Capital	Vilnius		3.1% - 2015
Official language	Lithuanian	Credit Ratings ²	S&P A-
Dominant foreign languages	English, Russian, German, Polish		Moody's Baa1
Currency	Euro		Fitch A-
		Membership	NATO, EU, OECD in 2017

Attractive country for investment

- Lithuania - the most favourable state to invest in the Baltic States and the second according to the expected profitability of investments in Europe
- Lithuania ranks 11th in the world in terms of business creation ease – it takes one day to set up a business entity
- Lithuania ranks 17th in the world in terms of business development ease
- The Most Educated Labour Pool in the EU
- World Class ICT Infrastructure: 1st for Internet upload and 3rd for download speed in the EU

Open R&D Network in Lithuania

- The biggest excellence network of innovation infrastructure, services and competence in the Baltic countries**
- A modern, operating open access R&D facilities, equipment, services, and high-level R&D intellectual potential ...
 - ...to create and develop R & D activities in engineering and information technology, biomedicine and biotechnology, materials science, physical and chemical technologies, natural resources and agriculture...
 - ...easily accessible and located in the three largest cities of Lithuania – Vilnius, Kaunas and Klaipėda and...
 - ... concentrated in five integrated science, studies and business valleys - Saulėtekis, Santara, Santaka, Nemunas and marine.

* Source: Invest Lithuania, <http://www.investlithuania.com/>
Agency for Science, Innovation and Technology (MITA), <http://www.mita.lt/en>



PRACTICAL INFO

***Participation fee and reception costs** are covered by Solarrok programme.*

Further info& registration (reply before 30 April):

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Join the next meetings of the SOLARROK community:

► *Match-making workshop with PV representatives from Turkey, Tunisia and Egypt (SOLLIANCE, Eindhoven, 20.6.2015)*

► *SOLARROK – European Forum of PV Clusters at the Open Days 2015 (Square Brussels, 14.10.2015)*