

MERITS' Workshop

5th of April 2016



Invitation

Dear Sir or Madam,

We are pleased to invite you to attend the Workshop within the **MERITS** project, which will take place on **5th of April 2016 in Warsaw, Poland**. The event will be hosted by Mostostal Warszawa S.A. and held in Warsaw Head Office (Konstruktorska St. 11A, 02-673 Warsaw).

MERITS is an R&D project supported by the European FP7 programme with the aim to build a first in the World compact rechargeable thermochemical heat battery system. Attached you will find further information about the project, meeting venue and agenda.

The workshop aims to present the prototype construction and field demonstration. During the event, thematic lectures will be presented by experts from the MERITS consortium.

Participation is free of charge. The workshop is a great chance to meet specialists from relevant field. Your presence will greatly enrich our discussions. The event will be held in English. We would appreciate it if you could confirm your participation before 25th of March 2016.

We are looking forward to welcome you on the 5th of April.

Yours faithfully,

Bartosz Starosielec

Head of Group Energy Efficiency & Sustainable Construction
Mostostal Warszawa S.A.

+48 795 526 841

+48 22 250 78 90

b.starosielec@mostostal.waw.pl

MERITS project

The project has received funding from the European Commission Seventh Framework Programme (FP/2007-2013) under grant agreement No ENER/FP7/295983 (MERITS).

The MERITS consortium is working on a new solution for improved use of renewable sources for heating, cooling and domestic hot water applications in individual (new & existing) dwellings in three climate zones.

The aim is to build a prototype of a fully functioning compact rechargeable heat battery that would fit in for example a cellar or underground a garden. In addition, business models and market strategies are developed to foster market take-up before 2020.

The project is carried out by four research institutes (TNO, VITO, Tecnalia, Fraunhofer ISE), one university (University of Lleida), one SME (De Beijer RTB), and two large enterprises (Mostostal Warszawa and Glen Dimplex).

The team will work with novel high energy density thermochemical materials that can supply required heating, cooling and domestic hot water for a dwelling with up to 100% renewable energy sources (e.g. the sun) throughout the year.

The key development issues are 1) the delivery of heat on different dedicated temperature levels for heating, cooling and domestic hot water, 2) the tailoring to the requirements of individual dwellings, 3) the design and development of a dedicated solar collector, and 4) the integrated design for the different components and enhanced thermo-chemical materials, including the control system. Furthermore, the project includes the development of business models and market strategies to foster market take-up before 2020.

For further information about the MERITS project, please visit the website at www.merits.eu.



MERITS' Workshop, 5th of April 2016

Agenda

Meeting venue:

Mostostal Warsaw Head Office,

Konstruktorska St. 11A, 02-673 Warsaw



Date	Time	Agenda item
5 April Tuesday	13:30 – 13:40	Workshop opening ceremony
	13:40 – 14:00	General presentation on different energy storage solutions - <i>Malcolm Bourke (Glen Dimplex, UK)</i>
	14:00 – 14:20	Buildings and districts energy demand and needs for storing energy - <i>Bartosz Starosielec (Mostostal Warszawa S.A., PL)</i>
	14:20 – 14:40	Thermal energy storages (water and PCM systems) - <i>Jahan van Bael (VITO, BE)</i>
	14:40 – 15:10	Coffee break
	15:10 – 15:30	Thermochemical energy storages - <i>Gerrit Fuedner (Fraunhofer ISE, DE)</i>
	15:30 – 15:50	MERITS project overview - <i>Christophe Hoegaerts (TNO, NL)</i>
	15:50 – 16:10	MERITS Field Test Demonstrator - <i>Pavol Bodis (TNO, NL)</i>
	16:10 – 16:30	Economic viability of energy storages and business models - <i>Henk de Beijer (RTB, NL)</i>
	16:30 – 17:00	Transfer to the FTD site – 5 km (provided by Mostostal)
	17:00 – 18:00	Presentation of the Field Test Demonstrator, questions/discussions on site - <i>Pavol Bodis (TNO) and Bartosz Starosielec (Mostostal Warszawa)</i>
	18:00	End of Workshop

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