



## EVENT DESCRIPTION SO-PRO

Project partner: Gertec

- Title:** WP 4 Regional Campaign – Roundtable I  
„Basics and approaches of system integration”
- Date & location:** 9. March 2010, “Zukunftszentrum Zollverein” in Essen
- Organiser:** GERTEC Ingenieurgesellschaft
- Number of Participants:** 28 participants (including 5 speakers)

### Summary

The first round table in the North Rhine-Westphalia region concerning the topic solar process heat has sparked great interest. A great number of representatives from different market player groups attended the round table:

- Potential user
- Producer (solar industry)
- Installer
- Planer
- ESCOs
- Industry associations.

Due to the heterogeneous composition of the different participants a very active discussion could be carried on. A first approach towards the definition of opportunities and risks of solar thermal in industrial processes from the view of the different market participants has been initiated.

To introduce the participants to the respective topics an introductory presentation on different technical aspects was held by several speakers:

- “Technical Possibilities and Potentials for Solar Process Heat”  
Dipl.-Ing. Thomas Tech, GERTEC Ingenieurgesellschaft, Essen
- „Planning Guidelines for the Use of Solar Process Heat“  
Dipl.-Ing. Stefan Heß, Fraunhofer-Institut für Solare Energiesysteme, Freiburg
- „Progress Report on the Planning Process of a Currently Emerging Solar Plant for process Heat in North Rine-Westfalia“  
Dipl.-Ing. Benjamin Fritz, PRIOGO AG, Zülpich

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Furthermore topics regarding solar process heat have been specified on which the participants have expressed a further need of information. The date of the next round table is set for calendar week 23. Subject of conference will be new financing models in the field of solar process heat.

## Objectives & main programme points

The main objective of the Round Table was to focus on the participants questions and the issues concerning solar process heat as follows:

- Enquiry of expectations of the participants on the round table with the aim of defining their motives for participation
- Enquiry of specifying further information need from the view of all market players in relation to the topic solar thermal in industrial processes
- Identifying the greatest barriers for realising a solar process heat plant
- Identifying the most applicable process types for solar process heat with regard to technical feasibility and economically reasonable application
- Enquiry of opinions on the “Checklist for Decision-Makers” regarding its contents, comprehensibility, meaningfulness and manageability
- Enquiry of opinions on the “Planning Guidelines for three different SO-PRO-Applications” – which applications for solar process heat are considered as sensible and which suitable processes are frequent.

## Conclusions & lessons learnt (based on stakeholder input)

An aspect that emerged from the debates with the round table participants amongst others was the fact, that collector producers and installers see difficulties to get in contact with industrial companies regarding solar process heat installation. Example: The contacting in the realised project in Brühl, which Benjamin Fritz reported about during the round table, could only be initiated because of the insistence and the interest in this theme by a staff member of the now solar thermal using company Merl. Herein tools have to be developed, which enable or simplify solar thermal firms to address potential industrial clients directly and to exchange with them.

In order to integrate a solar plant into a production process, an assessment of energy situation of the company and its energy supply is necessary before. However this service exceeds the spectrum of services of a solar company or installer in a considerable way. In addition an energy check could imply to a non-favourable result for the integration of solar thermal. – The result of the energy check could state that other energy efficiency measures would be more appropriate than the implementation of solar thermal.

On side of the user criticism was expressed that in case of interest for solar thermal integration in the own company no information or consulting contact is known to refer to. The existence of a central information platform would be very useful to initiate first contacts and thus first advisory services between interested industrial companies and specialised solar companies.

# ANNEX

The following documents are included in the annex:

- programme
- invitation folder
- pictures

## Programme

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8:45 Uhr	Come together
9:00 Uhr	Welcome Klaus Kottsieper - Gertec Ingenieurgesellschaft, Essen
9:15 Uhr	Presentatio of the SO-PRO-Project Heli Kasa - Gertec Ingenieurgesellschaft, Essen
9:30 Uhr	Technical Possibilities and potentials for Solar Process Heat Thomas Tech - GERTEC Ingenieurgesellschaft, Essen Discussion
10:15 Uhr	Coffee Brake
10:30 Uhr	Planning guidelines for Solar Process Heat Application Stefan Heß, Fraunhofer Institut für Solare Energiesysteme ISE, Freiburg Discussion
11:15 Uhr	Field Report from the Planning and Realisation Process of an existent Solar Heat Plant in NRW Feinkost Merl in Brühl Benjamin Fritz, Priogo AG, Zülpich Discussion
12:00 Uhr	Outlook to the next SO-PRO Round Table in June 2010 Klaus Kottsieper - Gertec Ingenieurgesellschaft, Essen
12:30 Uhr	Conclusion with light refreshments

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## „SO-PRO - Solarthermie in industriellen Prozessen“ - Workshop I: Grundlagen und Ansätze zur Systemintegration

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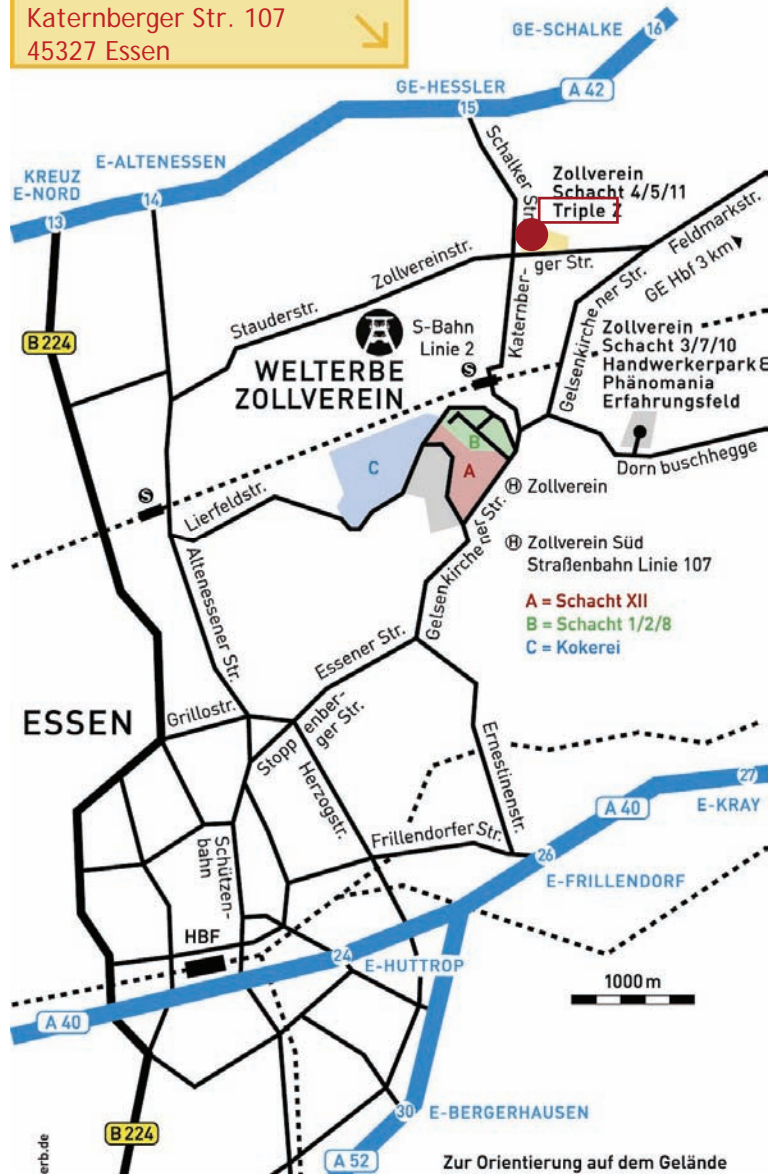
Datum: 9. März 2010  
Ort: ZukunftsZentrumZollverein - Triple Z, Katernberger Str. 107, 45327 Essen  
Konferenzraum 1, Gebäude G1, Erdgeschoss  
Moderation: GERTEC Ingenieurgesellschaft, Essen  
Klaus Kottsieper      Tel: 02 01-245 64 -53    Mail: klaus.kottsieper@gertec.de  
Heli Kasa              Tel: 02 01-245 64 -54    Mail: heli.kasa@gertec.de

### Programm

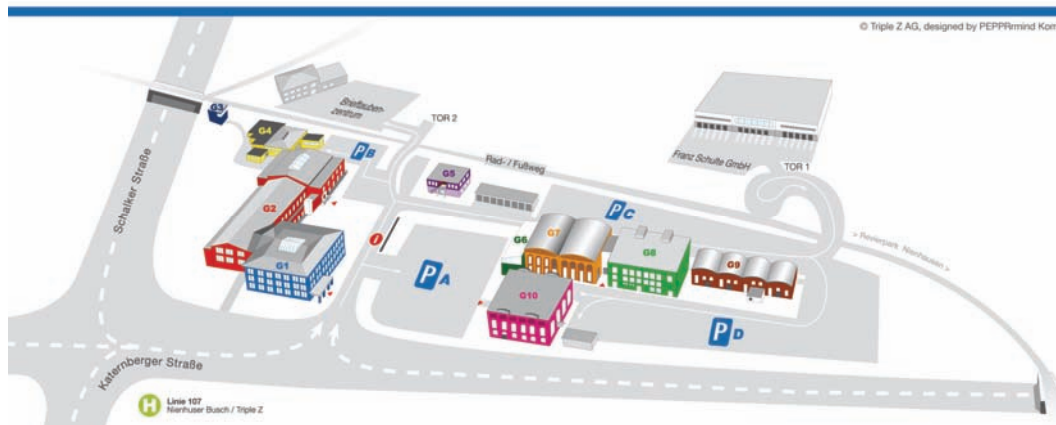
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8:45 Uhr	Eintreffen der Teilnehmer
9:00 Uhr	Begrüßung der Workshopteilnehmer Abfrage der Interessen und Erwartungen der Teilnehmer an den Workshop Klaus Kottsieper - Gertec Ingenieurgesellschaft, Essen
9:15 Uhr	Projektvorstellung „SO-PRO - Solar Process Heat“ Inhalte und angestrebte Ziele des EU-Projekts für die Region NRW Heli Kasa - Gertec Ingenieurgesellschaft, Essen
9:30 Uhr	Technische Möglichkeiten und Potenziale für solare Prozesswärme Möglichkeiten und Grenzen der Solarthermie-Einbindung in moderne Produktionsprozesse Thomas Tech - GERTEC Ingenieurgesellschaft, Essen Diskussion
10:15 Uhr	Kaffeepause
10:30 Uhr	Planungsleitfäden für den Einsatz solarer Prozesswärme Praktische Lösungsansätze zur Integration solarer Prozesswärme in Produktionsprozessen Stefan Heß, Fraunhofer Institut für Solare Energiesysteme ISE, Freiburg Diskussion
11:15 Uhr	Erfahrungsbericht zur Planung und Umsetzung einer bestehenden Prozess- wärmanlage in NRW Feinkost Merl in Brühl Benjamin Fritz, Priogo AG, Zülpich Diskussion
12:00 Uhr	Ausblick auf den nächsten SO-PRO-Workshop im Juni 2010 Klaus Kottsieper - Gertec Ingenieurgesellschaft, Essen
12:30 Uhr	Ausklang der Veranstaltung bei einem gemeinsamen Mittags-Imbiss

Triple Z AG  
Konferenzraum 1, G1  
Katernberger Str. 107  
45327 Essen



Zur Orientierung auf dem Gelände



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## ANMELDUNG

### Intelligent Energy Europe - Workshop I „SO-PRO - Solarthermie in industriellen Prozessen“

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Anmeldung bitte bis spätestens 26. Februar per Fax an **02 01 - 245 64 -20**

GERTEC Ingenieurgesellschaft - Frau Heli Kasa, E-Mail: heli.kasa@gertec.de

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Hiermit melden wir uns zur Teilnahme am Workshop mit ..... Person(en) an.

Name der / des Teilnehmer(s):

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Firma / Institution:

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Datum, Unterschrift

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Pictures

