IdE Institute decentralised Energy Technologies -

added value for industrial & entrepreneurial stakeholders

Eschborn, Mar. 4th 2014

Jan Kallok – Program manager
Needs and expectations of entrepreneurial/industrial partners

- direct and uncomplicated innovation
- joint R&D with other companies
- cooperation with public institutions
- Easier access to funding opportunities
- clustering effects
- Administrative synergies
- Political lobbying
- "umbrella branding"
- higher visibility
- R&D infrastructure
- ...
IdE is a PPP, initiated by the private sector of our cluster, to set up a strategic co-operation together with the public and the research sector in the field of renewable energy and energy efficiency.
Timeline IdE

- **2011:** Foundation of IdE
- **2012:** Acquisition of additional shareholders
- **2013:** Research turnover approx. 4 Mio.
- **Beyond 2014:** Further institutionalisation, institute building at University Kassel

Cluster & agreement activities
Shareholders

Volkswagen AG is tightly integrated in the structures as part of a separate cooperation agreement and is a regular guest at the shareholders' general meeting.
Organisation and structure: IdE bodies

General Meeting

- decisionmakers from shareholders
- regular meeting twice a year

Institute management

Program coordination group

Scientific committee

SME roundtable

Research groups
**Decision process inside IdE:**

**General Meeting**
- Takes strategic decisions

**Program Coordination Group**
- Unites public, private, and research shareholders
- Develops joint project initiatives on working level
- Meets 4 times a year

**Scientific committee**
- Discusses and prepares scientific input to PCG
- Meets 4 times a year prior to CG

**SME roundtable**
- Evaluates SME
- Meets twice a year

**Background:**
- Decentralization of energy supply in Germany
- "(re-)communalization" of energy infrastructure
- New business fields for energy companies with a high R&D potential
Benefits and obligations of private shareholders

Participating in IdE means…

<table>
<thead>
<tr>
<th>Private sector</th>
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<tbody>
<tr>
<td>access to funding (know-how)</td>
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<td>access to R&amp;D infrastructure</td>
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<td>access to scientific know-how</td>
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<td>contact/ communication platform</td>
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<td>enhanced publicity</td>
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<td>direct contact to political level</td>
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<td>...</td>
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<tr>
<td>active part in IdE bodies</td>
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<td>financial contribution</td>
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Meetings with politicians
BLUE FACTORY

Scope of Project
The VW plant in Kassel aims to reduce its energy consumption by 30% before the end of 2018. Hall 6, which is currently undergoing conversion, will serve as a pilot project. Moreover, hardening processes and forging efficiency potentials must be identified and implemented in the foundry which is the primary consumer. In addition to the production processes, infrastructure technologies, HVAC, cooling and heating, compressed air and lighting products are also subjects of investigation. An energy monitoring system will also be installed in Hall 6 in order to identify the areas of primary consumption and derive energy saving measures from this.
pinta: Pervasive energy through internet-based telecommunications services

- **About:** Smart offices with low energy use – pinta develops innovative energy management systems for ICT devices
- **Shareholders:** E.ON Mitte, University Kassel, Siemens, City of Bruchköbel
- **Funding:** Federal Ministry of Economics and Technology (3 Mio €)
- **Duration:** 2011–2014
- **Web:** www.pinta-it2green.de
Thank you for your kind attention.

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