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Indo-German Chamber of Commerce (IGCC / AHK Indien)

Opportunities and Challenges of Energy Efficiency in India

Hanover, 14th April, 2015 – Renewable Energy Economy Forum

YOUR WAY TO SUSTAINABLE ENERGY EFFICIENCY SOLUTIONS



OPPORTUNITIES

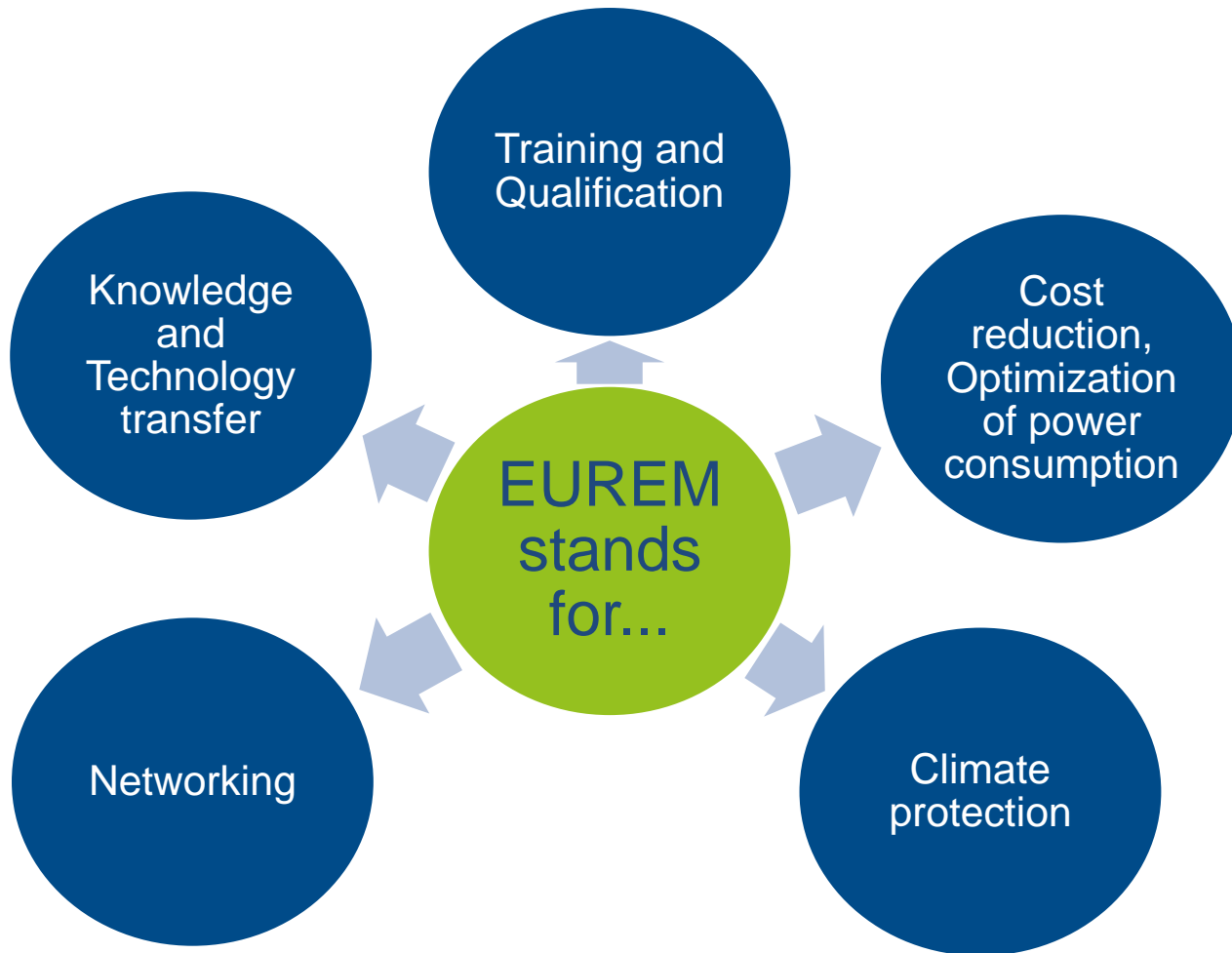
Infrastructure development cannot keep up with economic growth

Insufficient energy supply systems lead to electricity failures

Increasing fuel and energy prices put pressure on energy costs

Sustainable and applicable energy efficiency solutions are required in the Indian economy, with combination of Renewables and Efficiency.

EUREM VALUES



ENERGY PROJECT

- begins where improvement potential in the participants company has been identified
- recommendations bring **direct financial benefits**, post training and implementation

Optimizing a centralized Cooling System for Machine Components*

Energy saving potential	360 MWh / a
Cost saving potential	22.05 lakh INR / a
Investment cost for measurements	3.15 lakh INR / once
Payback period	0.15 year / 2 months

* Closed Loop System using Electrical Drive and Programmable Logic Controller



COURSE DETAILS

Attend workshops, register with and use the e-Forum

Take written exam

Develop energy project

Final presentation of the energy project

Energy Efficiency Specialist



COURSE DETAILS

- **168 lessons (21 days)** over a period of appr. **3 months**
- **1st block of 3 days** (Thursday to Saturday),
9 blocks of 2 days (Friday and Saturday)
- **1st Batch** starts on **7th May, 2015**, in **NCR**
- **Workshops** until **8th August, 2015**
- **Written exam** on **22nd August, 2015**
- **Energy project** until **20th September, 2015**
- **Oral exam** on **25th and/or 26th September, 2015**



CHALLENGES

Remarks and Questions about a proper training like EUREM

- ...is too long
- ...is too expensive
- ...is not for us as we don't need much power
- ...does not have too many educated takers (lack of (pre-)skilled employees)
- ...keeps the good ones away from their duty on the shop floor
- ...- are the results transferable to my company?
- ...- does it guarantee me the saving of power costs in my company?
- ...- will it have the right kind of trainers/facilitators?



CHALLENGES

What is required?

- Developing corporate ownership of energy (resources) issues, eventually leading into CSR
- Creating awareness – every employee/stakeholder can contribute to an efficient use of resources
- Convincing MDs that resource efficiency should become a priority among corporate issues
- Showing the way into a sustainable development of the corporate world
 - Changing mind sets of corporates from single bottom line to triple bottom line
 - Corporates have a social and environmental responsibility
 - Trainings like EUREM are not costs but investments into corporate sustainability



CHALLENGES

Results and Consequences we would like to see...

- Change of corporate mind sets
- Implementing Energy Efficiency Measures is one commercially viable way to start the process into corporate sustainable development
- Process will be long and requires a lot of patience, setbacks will be on the way, but success and hence profits eventually will become sustainable





PROUD TO SAVE



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