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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



Supported by:  
 Federal Ministry  
of Economics  
and Energy  
on the basis of a decision  
by the German Bundestag

# OPPORTUNITIES

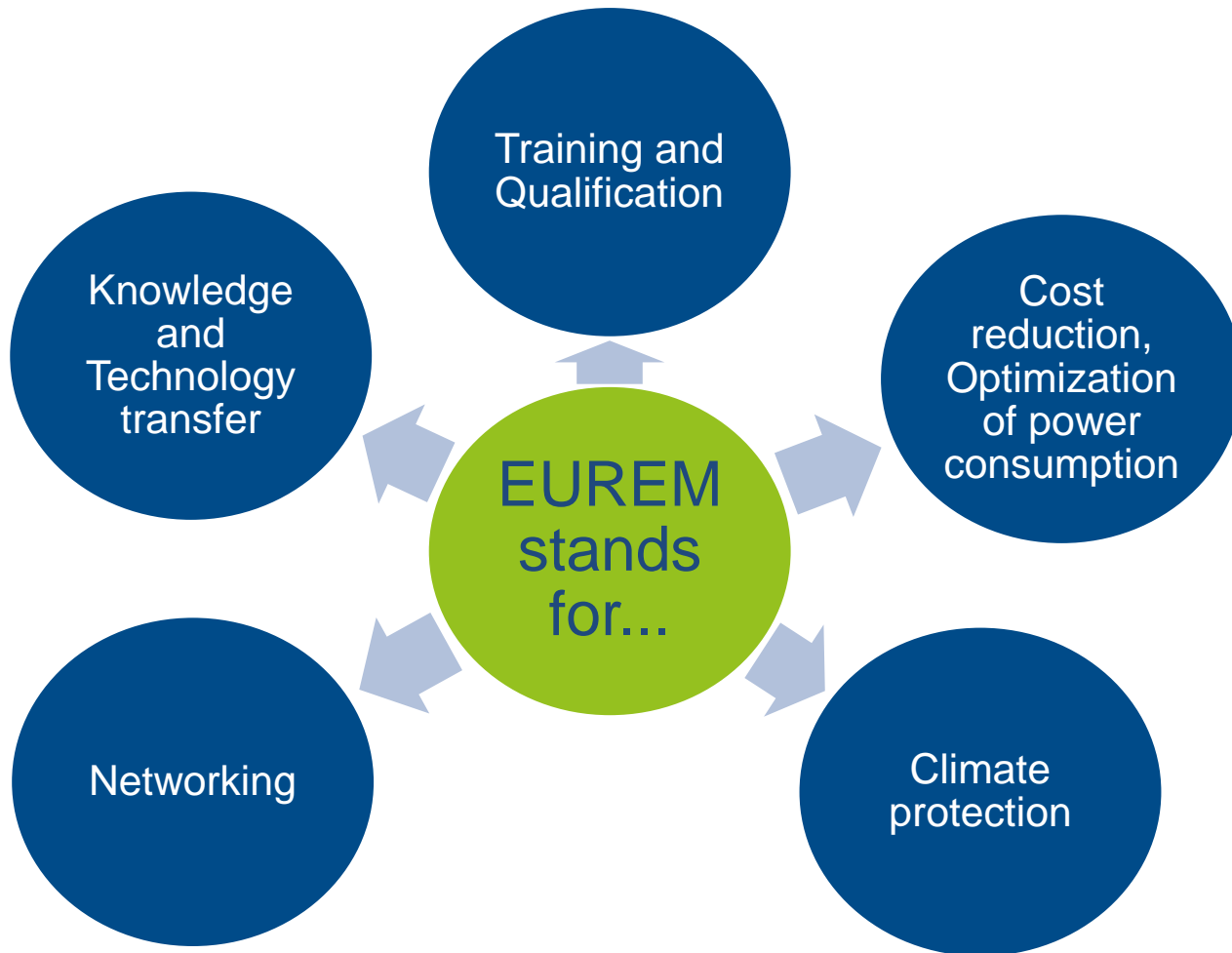
Infrastructure development cannot keep up with economic growth

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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