



European Energy Management Best-Practices – Saving Energy, Costs and CO₂

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EUREM International GmbH c/o

Nuremberg Chamber of Commerce and Industry

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Economy



Environmental compatibility

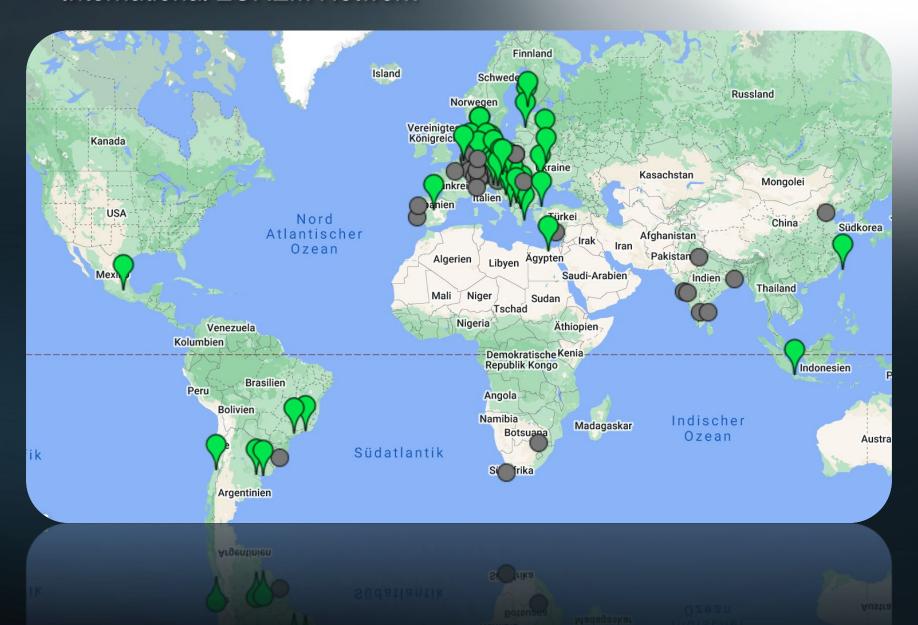


History

IHK	1992	Establishing CCI User Club Energy
	1997	Pilot project 'Energy-half', training + on-site advice
projects learn - know - do	1999	First training 'Energy Manager (CCI)' in Nuremberg (DE)
	Since 2000	Courses all over Germany
	2003	Start of EUREM I, Introduction of EnergyManager training program in European Union (4 partners)
****	2006	Start of EUREM.NET (15 partners, 13 EU countries)
	2013	Start of EUREMplus (9 partners, 9 EU countries)
	2018	Start of EUREMnext (13 partners, 10 EU countries)

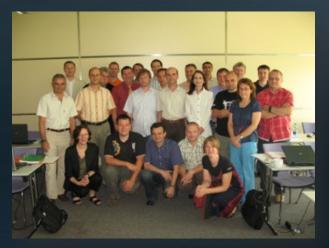


International EUREM Network

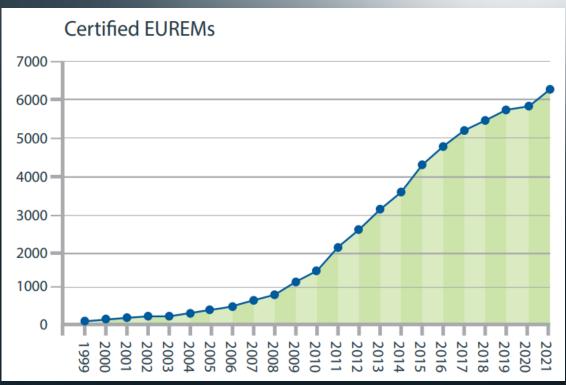




Figures









This is EUREM

6.000 Training Participants



850 Trainers



60 Training Providers

EUREM



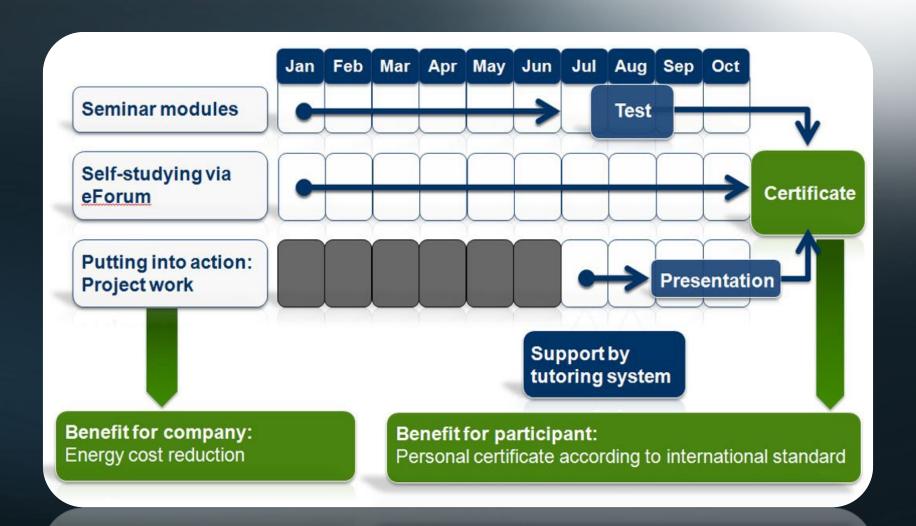








Overview EUREM training









9th International Conference for European EnergyManagers in November 2018 in Prague, Czech Republic

virtual



6th International Conference for European EnergyManagers in October 2016 in Berlin, Germany www.energymanager.eu



Impressions from EUREM Conferences









Impressions from EUREM Conferences





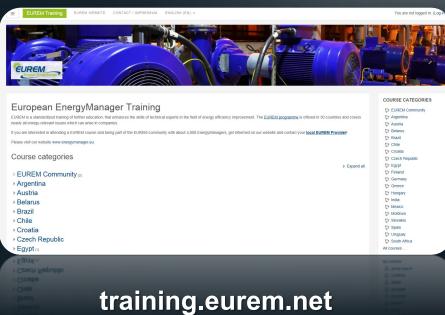
Impressions from EUREM Conferences







virtual





Standardized EUREM training materials

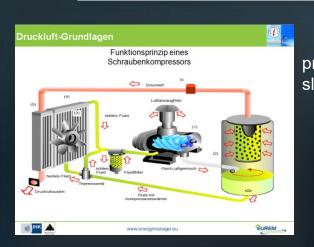
Bild: Höhenüberbrückung mi

Verformungstechnik

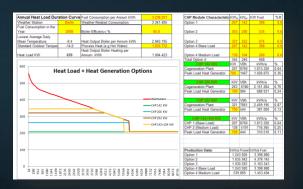
Flaschen und Behälter

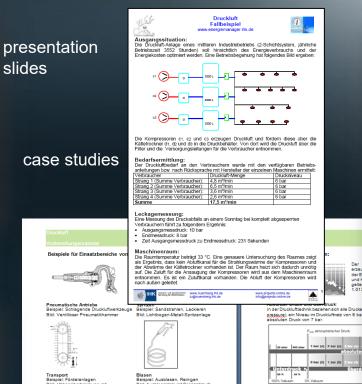
sowie Kunststoffbehältern Bild : PET-Flaschen

pneumatisch angetriebenem Elevator









Einsatz in der Textiltechnik Beim Texturieren und Weben

Bild : Eiektor Webstuhl

Betriebsvolumen = Druckluft im verdichtet

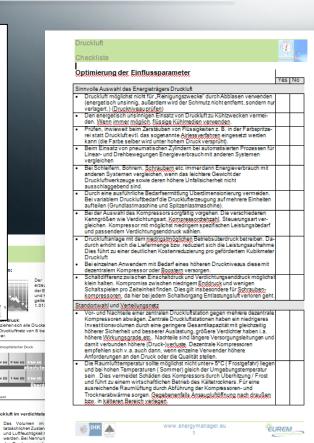
der Druck anzugeb

duble- and Handeldammer biology für Mittelflusken www.projects-energy.de

Achtung: Liefermangen von Kompressoren und Druckluftverbräuche von druckluftbetriebenen Systemen und Maschinen beziehen sich immer auf den atmosphärischen Zustand. Leistungsvangsben gemäß 150 1217 Anhang C (Anhang).

Uberdruck bedeutet, dass 1m3 entspannte Luftauf 7 bar Uberdruck = 8 bar absolut verdichtet ist und nur noch 1/8

des ursprünglichen Volumens einnimm



checklists

preparation material



ommunity Forum Increasing need for heating energy despite home office Einstellungen • → Metering Equipment at Hazard and Explosive Petrochemical Areas New e-learning course "Energy Efficiency Management in Refrigeration for Food and Beverage Industries" > Verschieben Anzeige in geschachtelter Form Das Thema verschieben nach ... Increasing need for heating energy despite home office von Christoph Neuberger - Donnerstag, 29. April 2021, 17:00 Hello everybody, our customer's (consulting service provider) need for heating energy in all office buildlings has increased heavily in 2020 towards 2019 despite the fact, that most employes worked in homeoffice most of the time. Did analybody made the same experience or has an explanation for this? Thanks in advance and best wishes! Christoph Neuberger Dauerlink Bearbeiten Löschen Antworten Re: Increasing need for heating energy despite home office von Hernan Astesiano - Donnerstag, 29. April 2021, 19:28 Hi Christoph, glad to respond your customer question. Certainly, the heating energy required in any office buildings is a balance between energy transfered in-out and is proportional to the temperature difference between the office and the environment. People in offices and the lights turned on generate heat that reduce the need for energy to heating the office. If the office is empty, and there is no room control (e.g. only heating offices that are occupied), then energy required to keep the office at the same comfort temperature is higher. A balance energy could be calculated with and without occupancy as well as the energy required in both cases. Hope to contribute in answering your question. Best regards, Hernán Dauerlink Ursprungsbeitrag Bearbeiten Thema teilen Löschen Antworten Re: Increasing need for heating energy despite home office

von Norbert Heinze - Sonntag, 2. Mai 2021, 12:27

I can only confirm what Hernán said. In times of lock-down and home office, the building energy demand shifts.

Heating demand increases, electricity consumption decreases.

The internal heat sources (people, machines, light, etc.) are often neglected in analyzes. Calculation options are given in DIN EN 18599 and other standards.

From my own experience I can report that there are other industries in which this imbalance is even more striking.

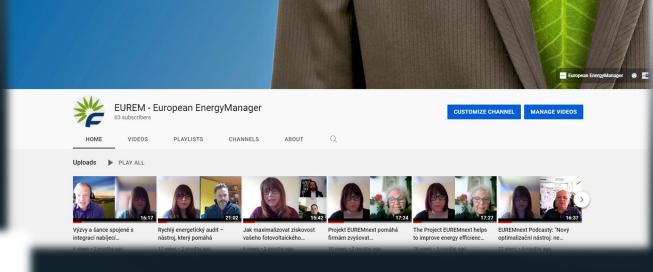
In a large furniture store (not from Sweden!) The heating requirement increased by approx. 40% -70% (climate-adjusted) compared to the previous year (09-12 / 2019 to 09-12 / 2020). At the same time, electricity demand fell by almost 80%.

The static heating now had to heat the entire building on its own. Air conditioning and lighting were off (emergency / safety lighting only). Only part of the administration was temporarily occupied.

Because there were no customers (hardly any moisture from breathing air) and air quality was irrelevant, the air conditioning could be switched off completely

training.eurem.net





EUREMnext podcasts

- "Fast forward energy audit a tool helps"
- "Challenges and chances of integrating e-charging infrastructure"
- "Ventilation and Air conditioning: Experiences from the COVID-Pandemic"
- "How to maximise the profitability of your photovoltaic system?"
- "New optimisation tool: Why it is worth diving into it"
- "The Project EUREMnext helps to improve energy efficiency in companies"

www.youtube.com









twitter.com/EUREM_Energy



Summary EUREM stands for...

Climate protection

Qualification and training

Cost reduction



Knowledge and technology transfer

Networking



For our earth's future ...



European EnergyManager

...join us!

Stefan Schmidt
EUREM International GmbH, Germany



