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STEEEP

Support and Training for an Excellent Energy Efficiency Performance

1st Multilateral Training for CCI energy advisors

Energy Efficiency in Austrian SMEs

Friedrich Kapusta
Energy Institute for Business
Vienna, 28.4.2014



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EIW – company data



Energy & Climate Policy

- studies and strategy papers
- Impact analyses for proposed legal framework changes
- publications and presentations

Working for Businesses

- Surveys on energy related topics of businesses
- Preparation and guidance of business related subsidy programmes
- Evaluation of subsidy programmes (impact analyses, indicators, measures)
- Handbooks for specific business sectors
- Vocational training courses

Managing Initiatives and Programmes

- conceptual design and implementation of enterprise oriented initiatives and programmes
- organisation and programme supervision

International Projects

Intelligent Energy Europe, Leonardo da Vinci, FP7, ERDF



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EIW – company data



Shareholders: - representatives of interest groups in industry and business:

- Austrian Federal Economic Chamber 66,7 %
- Federation of Austrian Industries 11,1 %
- Association of the Austrian Electrical and Electronics Industries 11,1 %
- Working Group for Sustainability in Drinks Packaging 11,1 %

Mission

Energy Institute for Business is a not-for-profit limited company. EIW aims at creating an active platform with representatives of the business world, academia and public authorities in order to support (especially small and medium sized) businesses to step up their implementation of climate protection measures. EIW provides its services:

- objective and independent
 - technically founded
 - result- and implementation-oriented and practical
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Energy consumption of SMEs

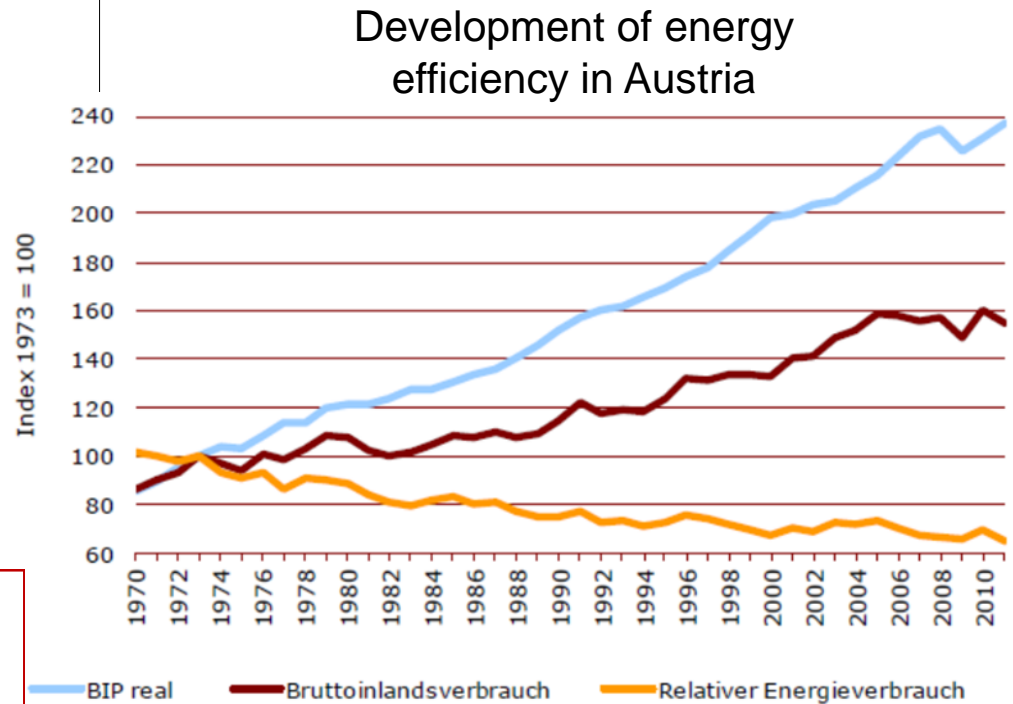
400.000 SMEs – 99,7% of all Austrian businesses

overall energy consumption: **1100 PJ/a**

SMEs:

- production sector: 13,4% ↑
- private services: 12,5% ↑↑

Decoupling of GDP an energy consumption
since 1970 about 40%





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Measures to improve energy efficiency in business



Public fundings of:

- Training and education (supported up to 100%)
- Energy audits: (supported up to 50-100%)
- Implementation of Energy Management Systems (supported up to 70%)
- Subsidies for investments in energy efficiency (supported up to 30%)



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Trainings and education for energy advisors



- EUREM – European EnergyManager
 - Energy trainings – courses A & F
 - Course for energy consultancy and energy management for businesses and institutions
(*Lehrgang Energieberatung und Energiemanagement für Betriebe und Institutionen*)
 - Klima:aktiv – courses: specifically for business energy efficiency
→Regional programmes
 - Energy Autarky Coaching
 - MBA / MSc post graduate courses – not specifically energy audits for businesses
(graduates are able to carry out audits)
 - Several other trainings / seminars
-



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Energy audit offers



Programmes are supported by: ministries and federal institutions

Regional Programmes: e.g.

- Programmes of regional CCIs
- WIN: Styria
- ÖkoManagement: Lower Austria
- ÖkoBusinessPlan: Vienna

National Programmes:

- Klimafond: SME – energy efficiency check
 - Environmental Support in Austria (UFI)
 - Klima:aktiv
-



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Status quo



Mainly Industry:

Currently more than **1000 enterprises** are regulary audit and certified by EMS, EMAS and EnMS

- > 600 registerd EMAS enterprises
- > 500 registerd ISO 14001 enterprises
- > 20 registerd ISO 50001 (EN 16001)

Mainy SMEs:

„SME - energy efficiency check“ approx. **1.000 energy audits** per year (2012-2013)

national and regional programmes additionally approx. **1.500 energy audits** per year (2012-2013)



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One example - initiative program „SME- energy efficiency check“ (2010-2012)

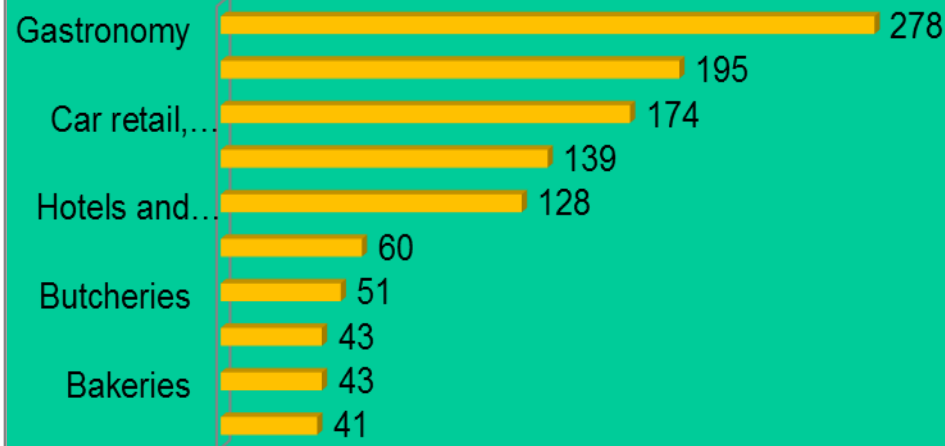
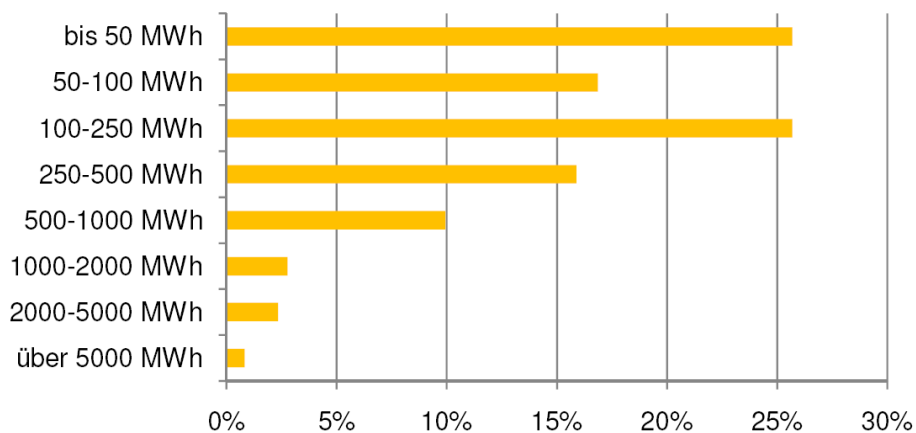


- approx. 4000 SME energy audits
- evaluation of recommended measures
- evaluation of implementation
- specific energy indicators for branches

Energy consumption of participating SMEs

Types of participating SMEs

Größenverteilung der KMU nach Energieverbrauch
(ohne Treibstoffe)



*This and the following 2 slides are based on data as per August 1st, 2011, published on www.kmu-scheck.at



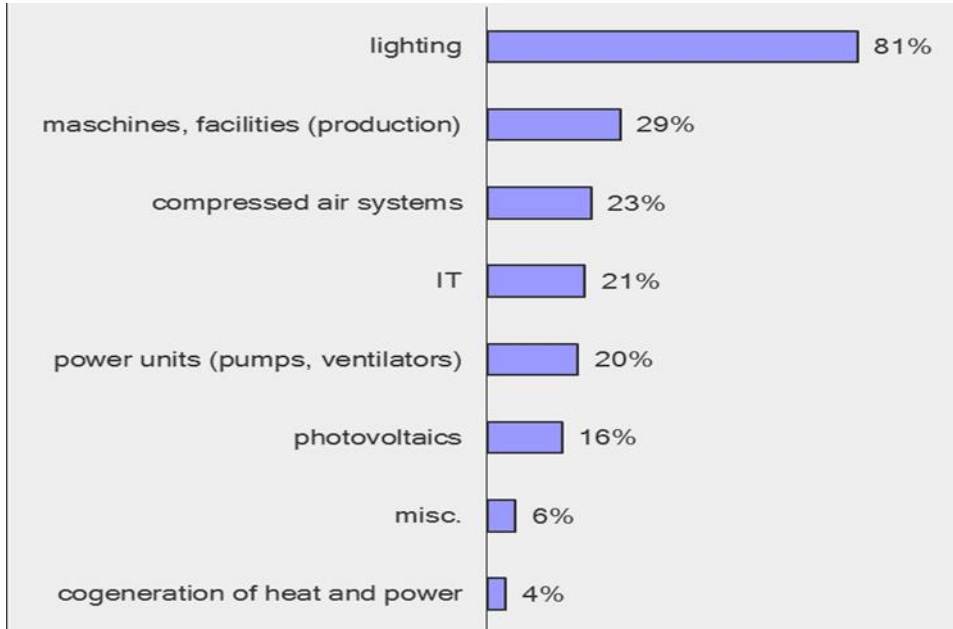
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Recommended measures

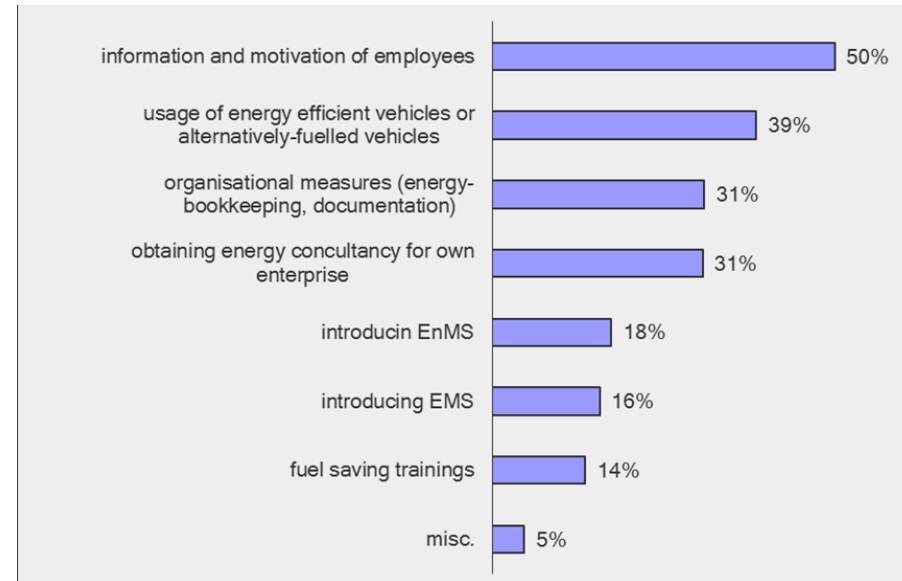


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Electricity measures



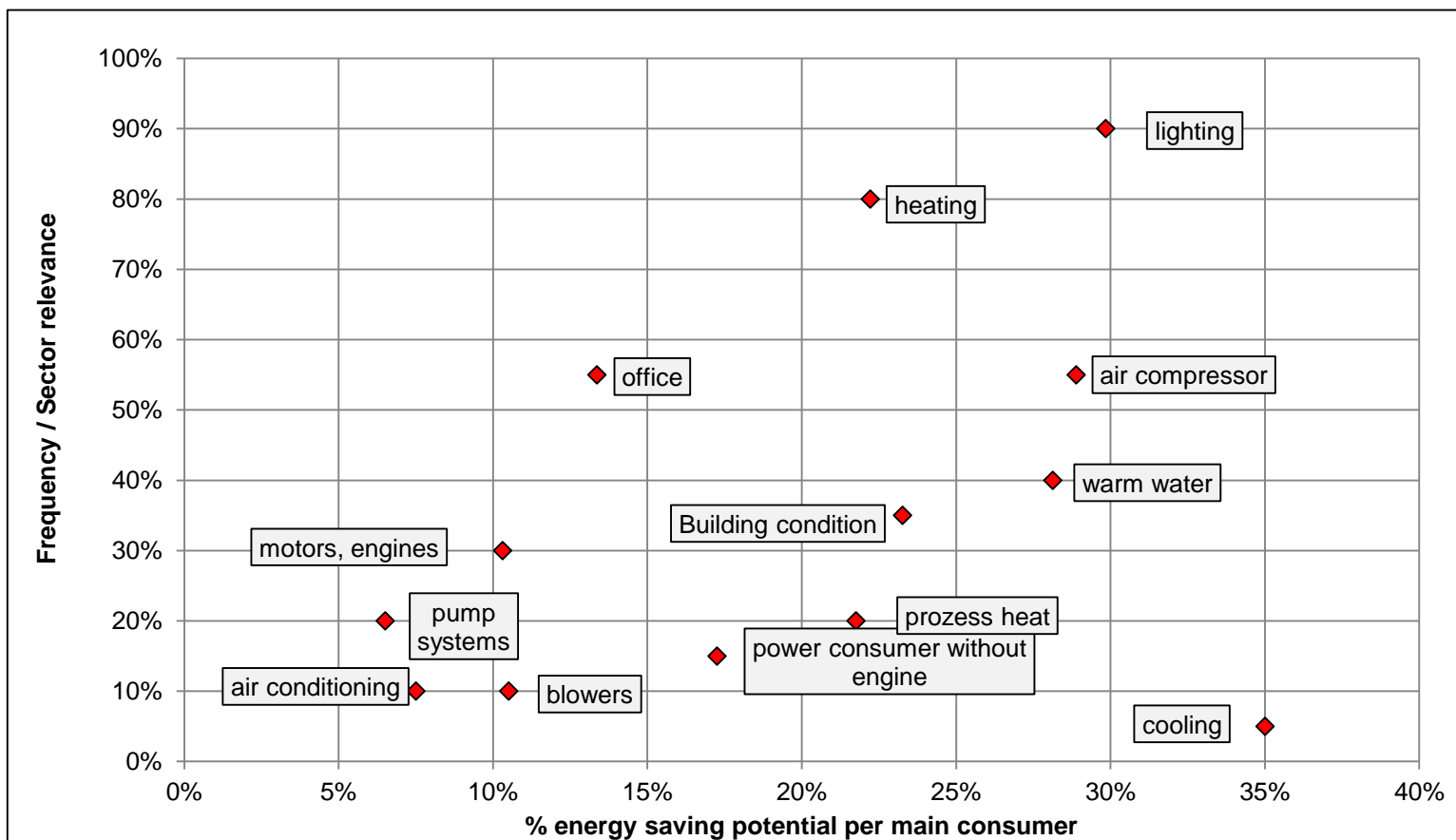
Non-investment measures





Impact of energy audits

Saving potentials at audited metal working companies





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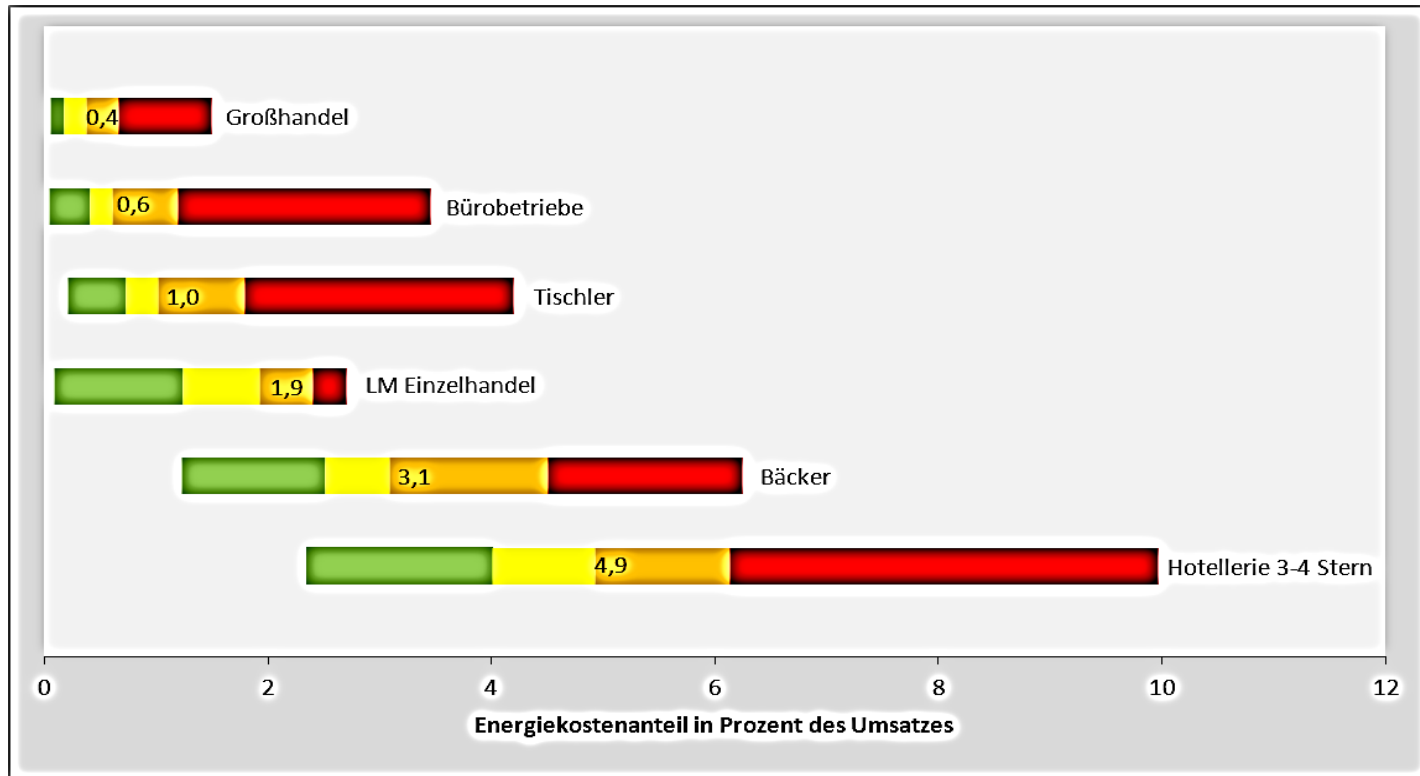
Impact of energy audits



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Indicator: energy cost share in percentage of total revenue.

25% of the audited enterprises are allocated to each color





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THANK YOU
for your attention!
