



Improved Skills for Installers of Energy Efficient Building Equipment incl. systems from renewable energy sources

.....can all expectations be fulfilled?

Green



Green

EU-Energy Council (February 2011):

- Create 2 million green jobs by 2020
-but how?



.....and what is ,green‘?

Challenges

- issue is not sufficiently high on (national) political agendas,
- low awareness on the benefits from energy efficiency, quality installments and qualification („plug & play“)
- widespread irritation on the best available solution,
- qualification for persons or companies?
- how to finance, and



lack of skills

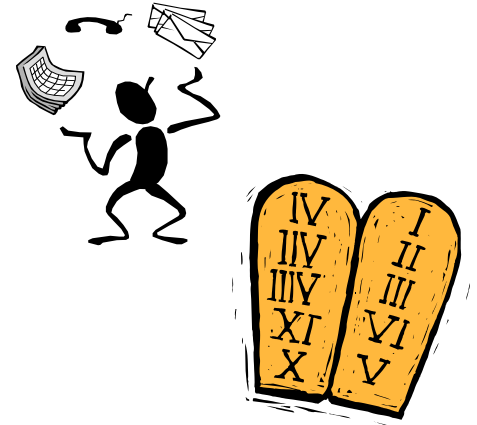


Framework




(EPBD, RES Directive, Energy end-use efficiency, Eco-Design, Energy-labelling, etc, etc, etc.....):

- A methodology to calculate and rate the energy performance
- Define minimum energy performance requirements
- Stimulating financing mechanisms for energy efficiency investments in the building sector
- Exemplary role of the public sector
- Energy performance certificates
- Regular inspections of HVAC systems
- Skills for green jobs (mutually recognisable)



What building owners expect:

- Professional advise
- Huge savings 
- Improved comfort
- Highest quality = best value for money
- Little investment
- Long-term reliability
- Repair facilities even on christmas evening – if needed
- Future-proof solution
- One contractor is better than 5 or 10 different contractors



Why skills?

- Green-collar professionals
- Green investment/finance specialist
- Green engineering
- Green construction
- Process understanding
- Integrating skills: consulting, managing, planning, technically enabling, financially advising, facilitating, operating, maintaining, performance improving, inspecting, and.....



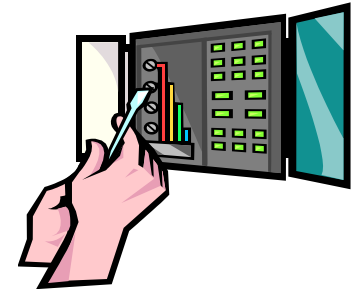
...is all of this possible?

Qualification Frame

- Integrated skills
- Include Lifecycle considerations
- Explaining/ consulting/ marketing skills
- Smart qualifications
- Periodic After-Sales professional services (energy performance inspections)
- New jobs ↔ „up-“skilling
- Technically advanced, up-to-date with most recent technologies



Megatrends

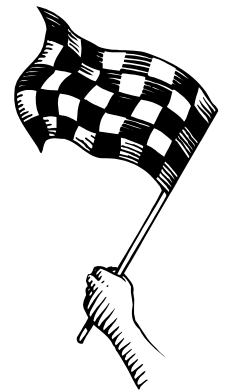


- Demographical developments
- Declining interest among young people towards technical professions
- Technical innovation much faster than skills development
- Manufacturers of products/energy utility companies do not install energy efficiency systems at end-users
- SME installers cannot afford urgently needed „upskillings“
- New green jobs need to have lifelong career perspectives, rather than being ,limited until end of subsidies period‘

Conclusion:



- Integrated skills (smart, mutually recognisable, process-oriented, life-long learning, flexible)
- Enable national, regional dialogue among social partners, value-chain partners, building-owners training-providers and other stakeholders
- Internalise skill-costs to the general energy performance of buildings debate of quality





Thank you



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