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BUILD UP SKILLS

ENERGY TRAINING
FOR BUILDERS



Introductory Seminar

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**Most of the world still
relies heavily on
fossil fuels and
nuclear power to
generate its
electricity**



The negative effects

- Health of our citizens
- Instability of the Earth's climate
- Future generations denied of clean air, water, and energy independence.

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Renewable Energy Sources (RES)

- Cleaner energy
- Lower environmental impact
- More energy security and stability



European Directive 28/ 2009/ CE

- Promotion of energy from RES
- 20% target to be from RES by 2020
- Member States to implement 'appropriate measures' to maintain this commitment
- Malta's target is 10%



EU targets for sustainable energy and environment

- 20% of renewables in EU energy consumption
- 20% improvement in energy efficiency
- 20% cut in greenhouse gas emissions



Wide range of technologies and methods exist to

- improve energy efficiency,
- turn renewables into viable energy sources,
- reduce emissions



Market conditions, other barriers prevent them from reaching their full potential

The Intelligent Energy – Europe (IEE) programme

- Addresses non-technological barriers to the market uptake and mainstreaming of sustainable solutions
- Supports policy implementation, creation of favourable market conditions, change of behaviour, education, promotion and dissemination, Europe-wide exchanges of related knowledge and know-how



Three main programme objectives

- Promote energy efficiency and encourage the rational use of energy sources
- Increase the use of new and renewable energy sources and encourage energy diversification
- Stimulate energy efficiency and renewables in transport

Malta Intelligent Energy Management Agency



Malta's only energy agency!

- Set up in June 2007 with IEE support
- Spearhead new projects and initiatives by creating collaborative networks and pooling the relevant resources when and as needed
- Create economies of scale and act more focused, pursue EU funding to supplement limited financial resources



Close collaboration with a variety of local organisations that supported/mandated its set-up, including:

- University of Malta, particularly the Industrial Electrical Power Conversion Department, the Institute for Sustainable Energy and the Mediterranean Institute
- Ministry for Resources and Rural Affairs
- Malta Resources Authority
- Parliamentary Secretariat for Small Business and the Self Employed in the Ministry for Competitiveness and Communications
- Ministry for Tourism, Culture & Environment
- Other public bodies, various Local Councils and NGOs.



Involved in a number of initiatives in energy

- **energy efficiency** - tourism industry, in small localities, in low-income households;
- promotion of **renewable energy** sources, **sustainable transportation** and **eco-innovation** - research in biofuel from microalgae, wave energy potential, PV installations, energy storage and monitoring, and electric transportation.
- **advisory services** - energy audits and other services to encourage a more intelligent use of resources.
- **publications** – optimum use of conventional energy resources, encourage use and development of renewable sources



Strong experience in EU funded projects - IEE, MED, Interreg, and ENPI programmes



ENERSCAPES - Impact of renewal energy sources and policies on landscapes and territories



MEDEEA - Mediteranean adaptation and implementation of the European Energy Award methodology



ELIH-Med - Promotion and facilitation of energy efficiency in low-income housing








	<p>MedAlgae - Production of biofuel from microalgae</p>
	<p>LIMIT4WeDa - Light mobility and use of IT in weak demand areas</p>
	<p>GreenITNet - Policies for a greener IT sector and for an IT-enabled greener economy</p>
	<p>4POWER - Policy and Public Private Partnerships for offshore wind energy</p>
	<p>EcoRegions - Development of eco-regions through good practices for reduced environmental impact</p>



BUILD UP Skills

the EU's new Initiative on
Training and Qualification of the Building Workforce








MIEMA's Role

In General:

Expertise in EU project participation
Expertise in issues related to EE and RES

In Communications:

Strategy, Guidelines and Action Plan
Coordination of Promotion and Dissemination
Project leaflet and poster
Assist LP in Stakeholder Activities



National Status Quo:
National Conference

Roadmap:
Video

Endorsement:
Leading the Dissemination Campaign

Thank you

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