Cluster activities

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POTENTIAL

• 52 members: 48 SMEs, 2 energy agencies, 2 faculties,
• cca 1900 employees,
• cca 1.500.000.000,00 kn revenue (w/o faculties),
• cca 50 % from export activities,
• 25 equipment and system producers.

Knowledge:
• Hydro power i Sun energy
• Thermotechnical and electrical power systems
• ICT and lightning
• Low energy houses and heat pumps
• Electric vehicles and conversion technology
• Smart Grid and Energy management

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European Cluster Matchmaking Event: Thessaloniki, 13-14 September 2017
PV Community Health Centre, Crikvenica

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CIS Nordhavn, Denmark

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European Cluster Matchmaking Event: Thessaloniki, 13-14 September 2017
SOLAR THERMAL SYSTEM FOR ADRIA HOTEL, BIOGRAD

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ESCO PROJECT IN MEAT INDUSTRY “MILIVOJ MEDVEN”, KRAŠIĆ

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HEAT PUMP – PRINCIP OF WORKING

DESCRIPTION:
DT - HEAT PUMP
GF - WASTE WATER FILTER
GKK – THE MAIN DRAIN PIPE
PHV – THE COLD WATER CONNECTION PIPE
STV – HOT WATER TANK
UO – THE MAIN SYSTEM CONTROLLER
HOT WATER SYSTEM IN AC POLITIN, KRK

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HOT WATER SYSTEM IN AC POLITIN, KRK

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ENERGY EFFICIENCY FOR SD NIKOLA TESLA, BANJA LUKA

- Heat pump with 101.8 kW,
- COP = 5.28 in mode 50°C/10°C (condensation/evaporation)
- 120.000 € investment
- 1000 students capacity
- 5.000 €/ monthly savings

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GREENOMED
Mediterranean Trans-Regional Cooperation for green manufacturing innovation

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The role of manufacturing

Manufacturing is a fundamental pillar of modern economies. Manufacturing can significantly contribute to sustainability:

• It consumes the 30% of energy produced
• It uses raw materials and other natural resources as input
• It generates environmental emissions

Green manufacturing is a top-priority for Europe.
Manufacturing is a fundamental pillar of modern economies

Manufacturing can significantly contribute to sustainability:
• It consumes the 30% of energy produced
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Green manufacturing is a top-priority for Europe
The challenge addressed in Greenomed

How to conceive, design and implement Networks of pilot plants in a logic of smart specialisation?

Greenomed goal

Test a trans-regional cooperation methodology to design and build pilot plants supporting green manufacturing in the MED area based on the “Vanguard” experience

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Cluster

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