

HEAT4U Project
Coordinator



HEAT4U Project
Partner



INTERNATIONAL CONFERENCE

HEAT4U^{PROJECT}

Gas Absorption Heat Pump solution
for existing residential buildings

January 26th, 2012
Congress Centre "Palazzo delle Stelline"
Corso Magenta 61, Milan



Under the EU's Seventh Framework Programme for Research





3rd Round Table

Henk Ensing

Communication Department

GasTerra

INTERNATIONAL CONFERENCE

HEAT4U PROJECT January 26th, 2012

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Energy Transition and Gas Appliances in NL

- High efficiency
- Lowest CO₂-emission of fossil fuels
- Gas resources
- Excellent gas infrastructure
- Micro- & mini-CHP
- Gas Heat Pumps

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Efficient Heating and Cooling with Natural Gas

Henk Ensing – GasTerra

Gas Heat Pumps

- Potential for efficiency improvement
- Simply to integrate into existing energy infrastructure
- Electricity grid does not need to be reinforced
- Gas heat pumps: a considerable potential in the built environment in the Netherlands (estimated market volume 2011: 500)

Heating and cooling demand

- Heat demand in the housing and commercial sectors is decreasing
- Demand for cooling is increasing (commercial sector)
- Smaller gas-driven heat pumps: excellent replacement for less economical older central-heating boilers in existing commercial and large domestic buildings

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