Newheat, renewable heat supplier, leader in solar heat
Decarbonise industrial sites and district heating networks

**Our model**
An independent heat supplier, managing projects throughout their entire life cycle to deliver a turnkey supply of CO2 free thermal energy on the long term

**Our vision**
Newheat combines all types of renewable heat generation and thermal energy storage into an advanced system, following a precise merit order answering to the company's view of an economic and environmental optimum

**Thermal Storage**
Short or long-term storage

Newheat provides an integrated project management - the company develops, designs, finances and supervises the entire life cycle of the project, in order to offer a turnkey heat supply solution for the final consumers
Our technical know-how

Design and operate renewable heating installations, tailor-made for our customer’s need

A cutting-edge expertise on the key project issues

- Development of proprietary thermo-hydraulic **dynamic modeling tools** (energy flow, temperatures, dynamic behaviour, etc.)
- **Design** renewable heat plant **tailor-made** for each site:
  - Considering local context (available area, specific administrative rules, etc.)
  - Optimal energy mix depending on local resources and relevant technologies
  - Reliable and competitive technical solutions
- Implement a **specific and optimized Control** of the plant, allowing a piloting optimization during the operation phase
- An **ambitious R&D strategy**, recognized at international level
  - 5-time winner of call for projects for R&D program
  - 5 M€ effort since the creation of the company
  - Contribution to IEA works on Solar Thermal and Seasonal Storage

A **project-by-project approach ensuring a competitive heat price** and securing the delivery of energy “at the meter”
Key advantages of Large Thermal Energy Storages
A central element of Flexible and Intelligent heat distribution networks

LTES Strengths
- Low Tech Infrastructures
  - Simple Working principle
  - No rare and critic materials
- Competitive
- Long lifetime

LTES Offer
- Energy Arbitrage (Energy Mix adaptation - Power-to-heat)
- Increase of the Performance of production and recovery sources
- Increase in heat needs Coverage by Renewbles and heat Recovery
- Savings from investment in additional Means of production
- Flexibility in systems Operation & Maintenance

Objective: Store competitive (Renewable or Recovery) heat when available over the year to discharge it at the right time and the right power of the demand
Thank you

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