

How to start planning using the technical calculation tool EnergyPRO for district heating

PlanEnergi, WP2

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Agenda

- Presentation
- Energy planning
- Introduction to EnergyPro
- Example

Engaging Citizens in Sustainable Energy to improve environment and local Economy

- Oil and Energy crisis in the 1970s → Choice Awareness Theory
- Two point of views when considering energy planning:
 - 1) The technical point of view: Which technologies can we utilise in order to make sure that the resources available meet the demands?
 - 2) The political and social science point of view: How can society implement such kind of technological change

Primary Means

1)Energy Conservation and

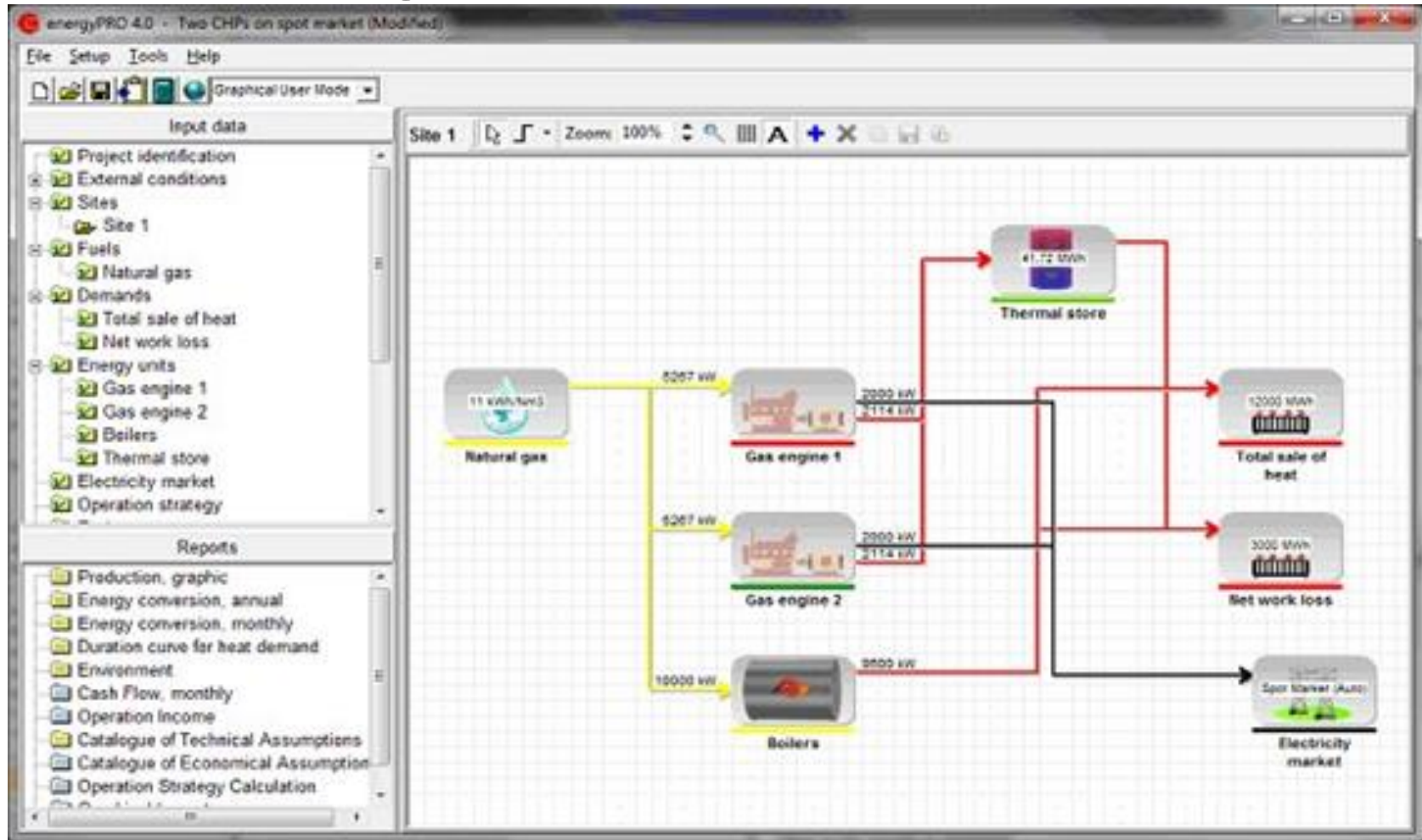
2)Energy Efficiency

- New/more efficient plants (CHP)
- Insulation (houses, pipes, etc.)
- Flexible System
- Storage
- New technologies
- Regulation

EnergyPRO - Methodology

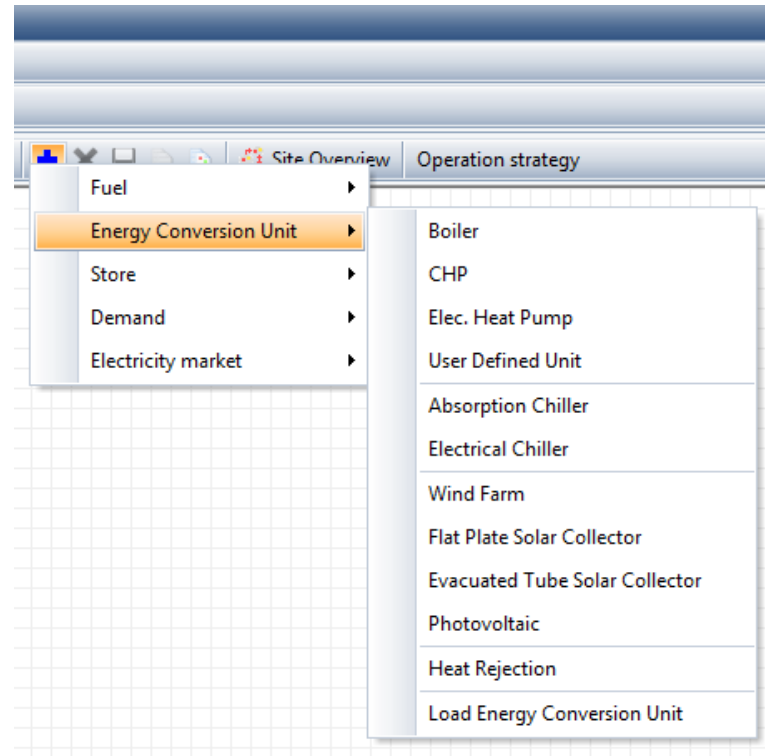
- Can be used to model concrete technical alternatives
- Gives output on energy system
 - Heat production
 - Electricity production
 - Fuel usage
 - Economic output

EnergyPRO - Introduction



EnergyPRO – Application

- Traditional energy units:
 - plants
 - boilers
 - engines
- Storage
- VE technologies:
 - wind farms
 - solar collectors
 - photovoltaic



- Demo version: <http://emd.dk/energyPRO/Downloads/>
- 3.600 EURO for the basic module “Design”.

Thank you for your attention!



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