



New Calculation Engine in energyPRO 4.0.2

One of the main goals for energyPRO 4.0.2 has been to enable transmission of energy between more sites (being possible when you have access to the REGION-module). In order to achieve this goal the calculation engine (responsible for optimizing productions) has undergone a major restructure.

In energyPRO 4.0.2 you will see the result of this restructure by:

- Sites can now be connected via transmissions. The energy types that can be transmitted are: Heat, Process Heat and Cooling.
- Heat Storages in energyPRO can now have an associated loss which depends on the content of the storage.
- Hydro Power Storages can be added to projects and optimized for an electricity market or simply used in Island operation projects.

- The calculation engine has also been restructured to support the following features in the future: Fuel storages can be placed on a specific site
- Fuel can be transmitted between sites
- Improved Tri-generation optimization – including cold stores

The new calculation engine has been tested thoroughly before the release on a large set of energyPRO projects and the results are comparable to the results in energyPRO 4.0.1 and earlier versions.

If you find any major differences in the results you get from 4.0.2 compared to earlier version you are welcome to contact us at energypro@emd.dk