



energyPRO



Use Case: Sector Coupling and PtX

PtX is a concept where (typically green) electricity is used to produce liquid or gaseous fuels.

This makes it possible to decouple power from the electricity sector to be used in other sectors and thus making it possible to utilize surplus electricity production.

In this training session, you will learn how to model such systems in energyPRO and how to develop the optimal conceptual design.

In addition to the conversion of electricity to fuels, the course also deals with the by-products (such as waste heat) that typically appear in these processes and how these can be integrated into an energy system.

Focus areas:

- Sector coupling
- Mass balance
- Fuels
- Duration curve
- Utilization
- Sizing of units

Please note that the participation in this session requires either participation in the introductory session or experience in working with energyPRO!