



SimTech Simulation Technology

SME that provides state of the art modeling tools and services for the power and process industries.

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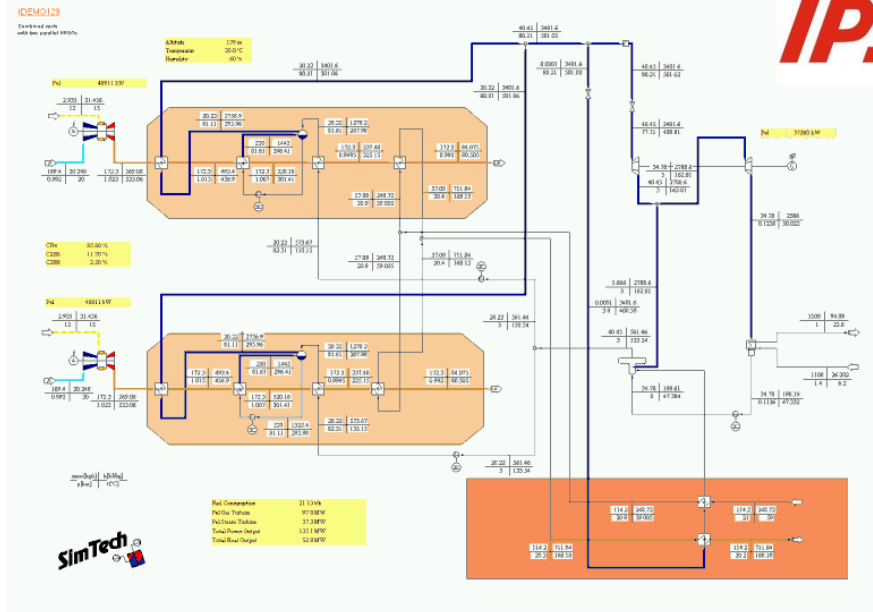
Plant Modelling

SimTech implements and delivers turn-key plant simulation models for various applications.

Simulation Package:



IPSEpro



Plant Simulation Models can be used to:

- Optimize the plant performance
- Evaluate What-If scenarios
- Validate measured data.

IPSE*pro*

IPSEpro offers ready-to-use solutions for various fields of application.



Some Application Areas:

- Desalination
- Geothermal Energy
- Refrigeration
- Concentrating Solar Power
- Thermal Power





- Experience with European Projects
- Competence for Applied Research and Development
- Special focus on projects involving:
energy processes' simulation and analysis.

Relevant Projects:

- MIDES - Microbial Desalination for Low Energy Drinking Water
(www.midesh2020.eu)

***IPSE*pro** is used to model, simulate and optimize the whole Desalination and Waste-Water Treatment process

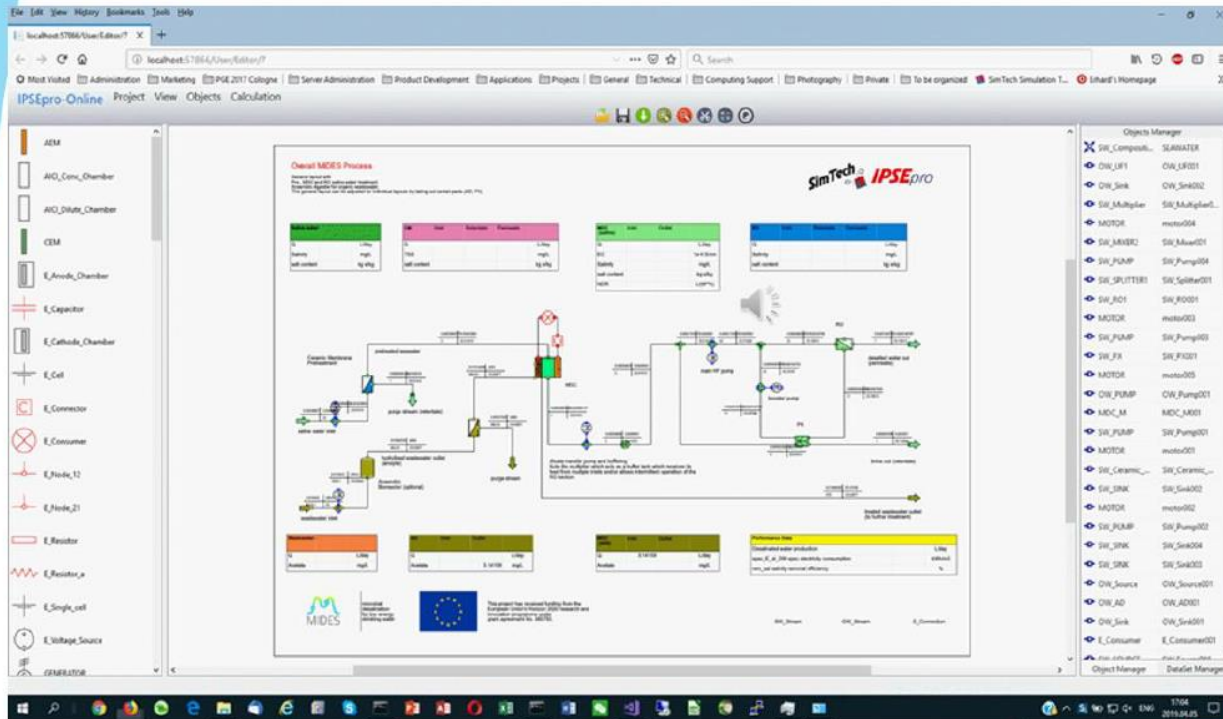
- Eco-Cool - Fully integrated and controlled cooling cycle for household cooling appliance (K-Project, COMET excellence-initiative by FFG, Austria)
- GTPOM: Thermo-Economic Optimization of Whole Gas Turbine Plant (CSC – EU Project)

Innovation	Key innovators for this innovation
<p>SimTech's IPSEpro Online Platform</p> <ul style="list-style-type: none"> • Market maturity: Business Ready • Market creation potential: High • Project: MIDES • Innovation Topic: Smart & Sustainable Society 	 



IPSEpro Online Platform

MIDES | microbial desalination for low energy drinking water





IPSEpro

Interests for Collaboration in Projects dealing with the Energy Sector:

- Sustainable Energy and Energy Efficiency
- Exploitation of Big Data Energy Services (Smart Meter Data Monitoring; Energy Efficiency; Real-time usage patterns analysis to optimize energy consumption and pricing
Sensor monitoring for plants condition-based and predictive maintenance; etc...)
- Industrial Energy Management & Operational Plant Modeling
- DHC and CHP applications using Renewable Energy Sources

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**Thanks
for your attention!**