HiFlex:

High storage density solar power plant for **Flex**ible energy systems

The context

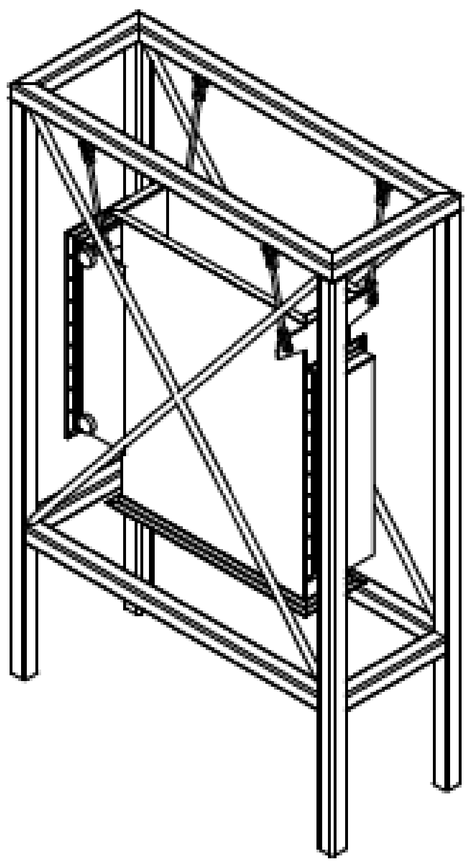
The HiFlex project has the ambition to demonstrate a flexible CSP prototype plant featuring cheap solid particles as storage and heat transfer medium at a pasta plant in Italy. The main goal of this EU-funded (H2020) project is to demonstrate that it is possible to run the plant 24/7 and continuously generate renewable energy.

John Cockerill:
Steam generator design
Barilla:
Host of the CSP power plant

Schedule

From 08/10/2019
to 07/10/2023

ISOMETRIC VIEW

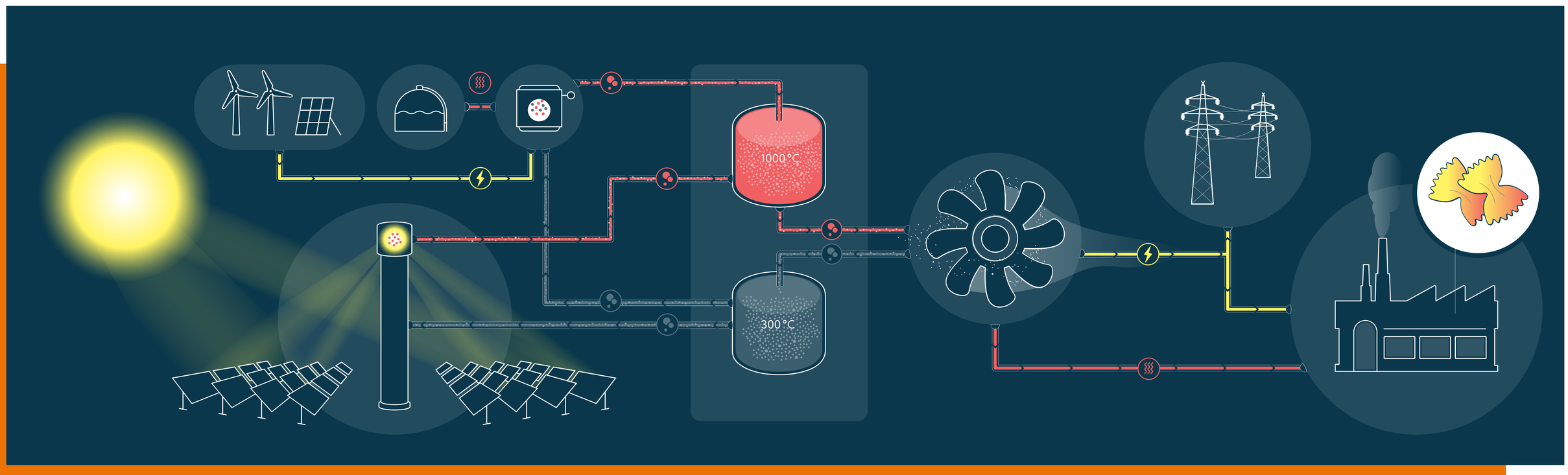


Partners

NextChem:
Plant design & project management
Helioheat:
Solar receiver & back-up heater
IndigoTech Minerals:
Particles composition & characterization
DLR:
Support on equipments design
Barilla:
Host of the CSP power plant
Sugimat:
Steam generator manufacturing
TEKFEN:
Heliostats & heliostat field design
Dürmeier:
Transport system for particles
Quantis:
Life cycle assessment of the plant

Budget

Total: 13.5M€ & EU funding: 439K€



johncockerill.com/energy

John Cockerill