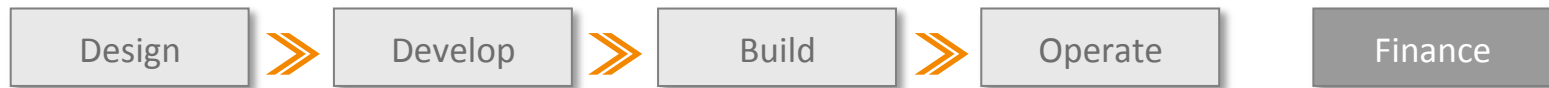
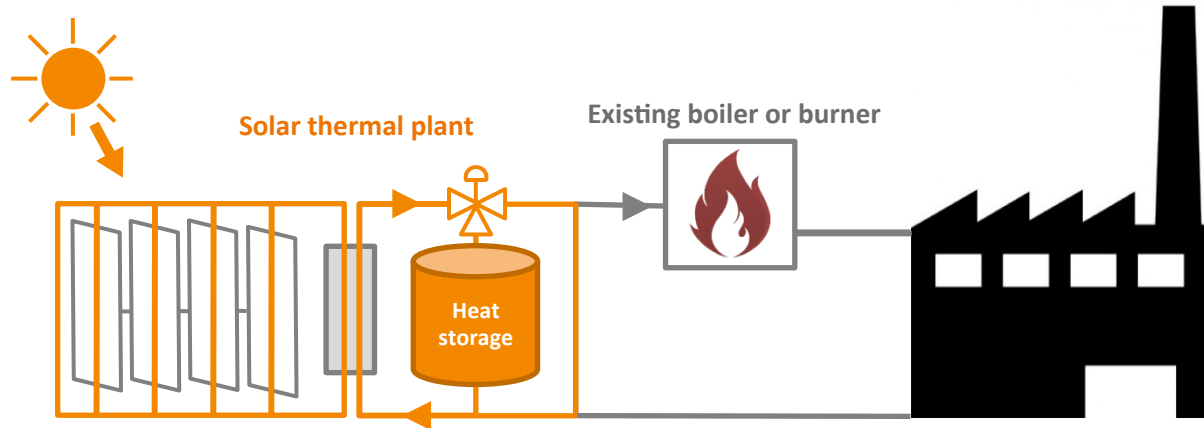


# newHeat

Solar or recovered process heat « as a service »



Solar thermal project of Condat – Photo credit NewHeat

# 1<sup>st</sup> industrial project : Condat Paper mill

Lecta group – Condat sur Vézère (24) FRANCE



## The largest solar thermal plant in Europe for industrial processes The world's first solar thermal plant using sun trackers In operation since January 2019

### Site information and technical integration

- › Existing gas boiler and turbines of > 110 MWth
- › Annual gas consumption > 500 GWh
- › Pre-heating 25 m<sup>3</sup>/h of the make-up water of the steam gas boilers (from 20 to 85°C)
- › Saving 1 000 tCO<sub>2</sub>/year (20 000 tCO<sub>2</sub> for the contract duration)

### Solar thermal plant scenario

- › Peak solar power : **3,4 MWTh**
- › Surface area of sun panels : **4 210 m<sup>2</sup>**
- › Total floor space: **1,4 ha**
- › Heat storage tank capacity: 500m<sup>3</sup>
- › Annual energy delivered : **~3900 MWh/year**

Solar thermal plant

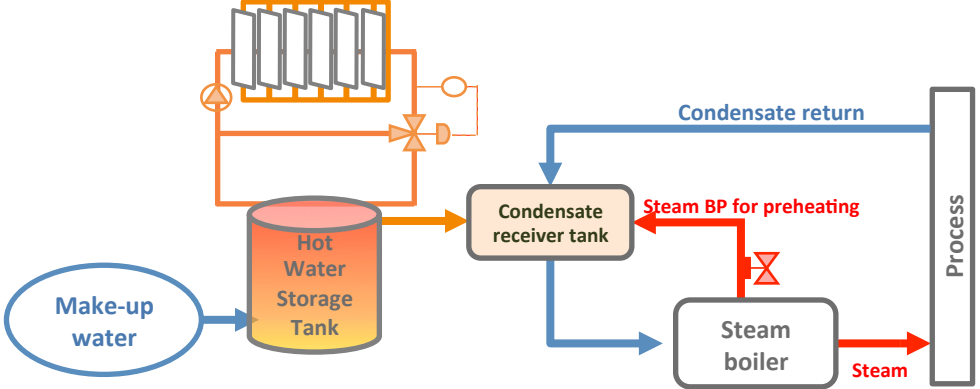


Figure : solar thermal integration concept for the Condat project

### Other industrial applications

- › Hot water loop heating and preheating
- › Preheating of air for drying
- › Maintenance of bath temperature
- › Heat recovery

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