Examples of Territorial Energy Planning

The following innovating projects are a testing ground for a true energy transition

1+2 GLN - GeniLac[®]

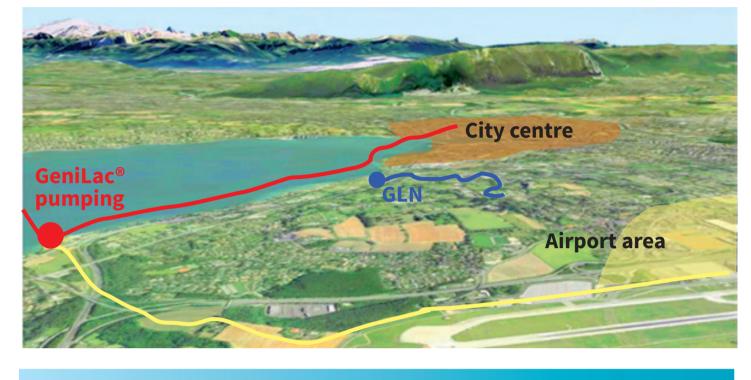
Project: to develop a broad thermal network (warm and cold) using the water from the Lake Geneva

Background: GeniLac[®] is an offspring of the Geneva-Lake-Nations project (GLN), a similar, yet smaller network pilot project supported by the European Union

Strong features:

- A previous project has demonstrated the thermal potential of the lake and has been crucial for the launching of a larger scale project

- Successful partnership between energy experts and spatial planners; this scheme integrates three big urban planning projects to the south of the international airport while involving a thermal network, a motorway network and high voltage lines. A dedicated unit was created, including private stakeholders and representatives from the Swiss Confederation, the Canton and the municipalities



2+3 Jonction - GeniLac[®]

Project: long-distance heating network in the Jonction district, using the water from the Rhone

Background: a 100% sustainable supply

provides for a mixed supply, yet extended to

existing buildings. This option rests on 10%

of fossil energy as a supplementing source

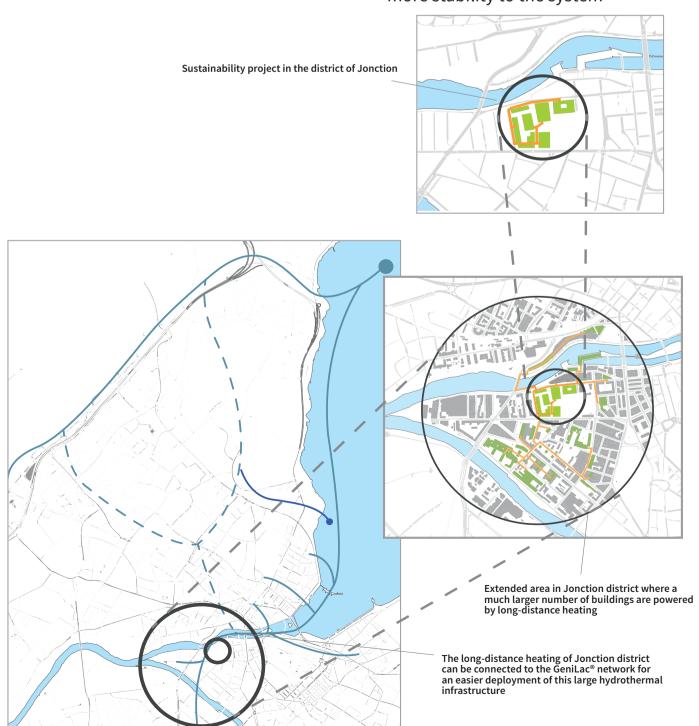
was considered on the restricted area.

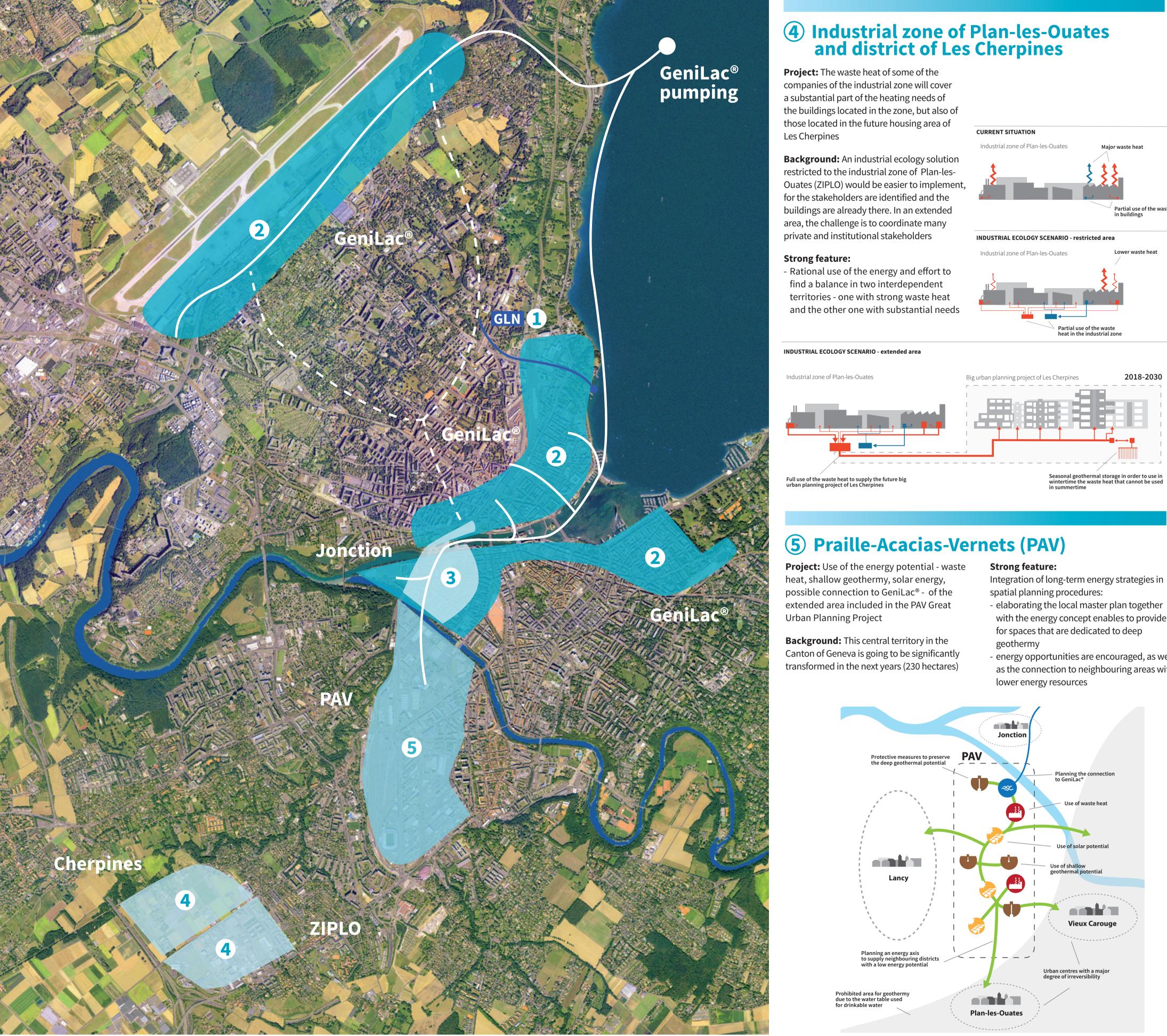
Eventually, the selected alternative

of energy

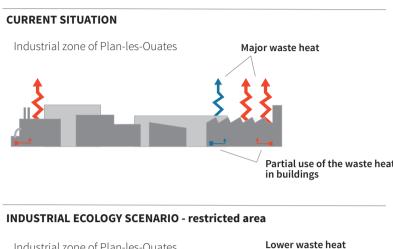
Strong features:

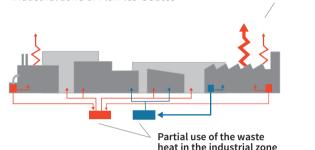
- Integrating this spatial planning project into an extended area will make a larger portion of the territory move to sustainability
- This project is meant to evolve in time, the network will be connected to the GeniLac[®] network that will replace the water from the Rhone with the water from the lake and further strengthen the efficiency of the heat pump. It provides more stability to the system











- with the energy concept enables to provide
- energy opportunities are encouraged, as well as the connection to neighbouring areas with