

Example Use Case: **Performance analysis of network expansion**

Client: Utility of Lugano (AIL), Switzerland

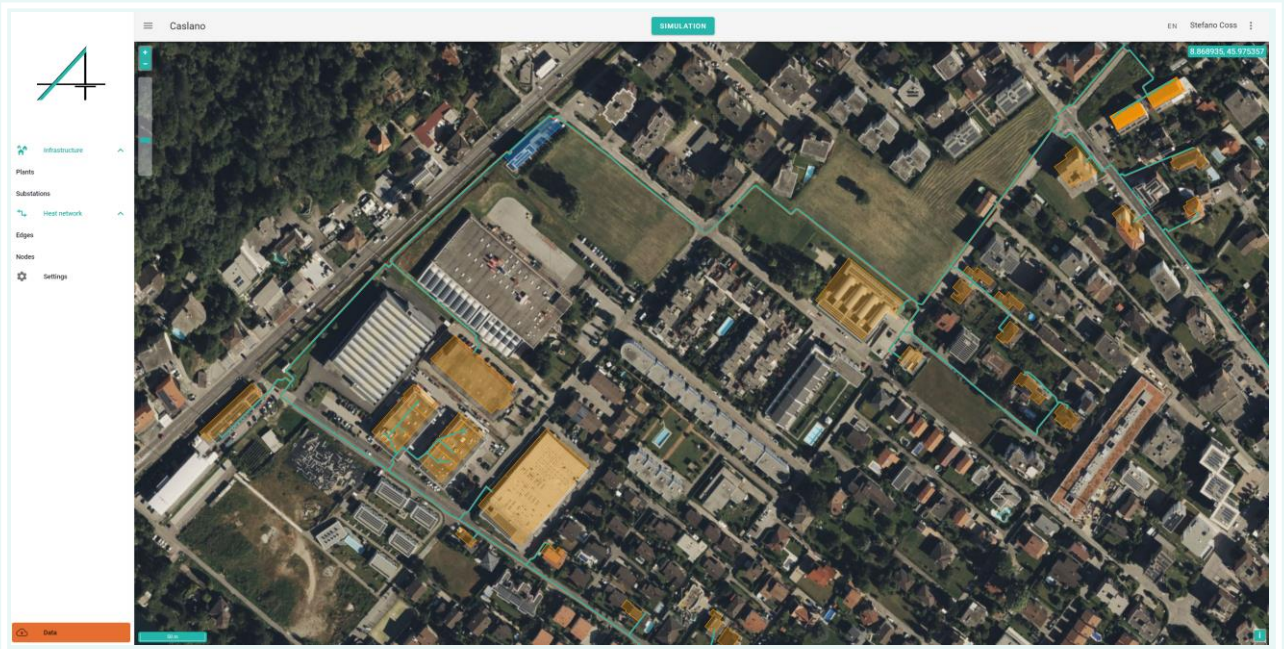
Client information

Michele Broggin
Vice Director AIL
info@ail.ch

Background and problem description

AIL operates a heating network in Caslano. 1 biomass heating plant supplies 80 customers (households and businesses) with heat. AIL would like to further expand the heating network, without investing into additional capacity in the heating plant. Measurement data is available, but currently only partially used.

Solution: Application of Arteria Planning™



A digital twin of the heating network was created with Arteria Planning via a GIS interface. Consumers were simply added to the Digital Twin with a click of the mouse and their effects on the operation of the entire network were dynamically simulated.

Benefits

1. **Dynamic simulation** of network behavior (summer/winter/peak etc.)
2. **Easier** and more **accurate** calculations done via Excel
3. **Fast and flexible** analysis of various scenarios

Contact

Dr. Stefano Coss
CEO
Arteria Technologies GmbH
stefano.coss@arteria.at
+43/69910509386

Free Demo available

