

Period:

December, 2020

#### Project Details:

# Cordium

eerste partner in sociaal wonen



- Project Manager: Frank Louwet
- Location: Crutzestraat, Hasselt

#### Executive Summary:

This month there were a total of 345 degree days

Phase 1 heating energy:

- 2196 kWh of gas consumed (0.32 kWh per apartment per degree day)

Phase 2 heating energy:

- 14515 kWh of gas consumed (2.1 kWh per apartment per degree day)
- 3.5 kWh of electricity consumed (0.00051 kWh per apartment per degree day)

Phase 3 heating energy:

- 17791 kWh of gas consumed (1.8 kWh per apartment per degree day)
- 650 kWh of electricity produced

#### Project overview:

The advanced control strategy is implemented in a district heating system for social housing in Crutzestraat, Hasselt. The social housing is operated by Cordium, the operating manager for social housing in Flemish region. The project consists of three phases or buildings with 20, 20 and 28 apartments in each phase. Each building has its own central heating system with various technologies installed. Furthermore, central heating systems are interconnected by an internal heat transfer network. i.Leco developed the control strategy which sends hourly setpoints for: maximum and minimum temperature setpoint in each building and/or distribution circuit, operation modes of installed technologies, and distribution state settings between building/heating systems.

## Phase 1

Installed technologies:

- Geothermal/water gas absorption heat pumps – 2 pcs

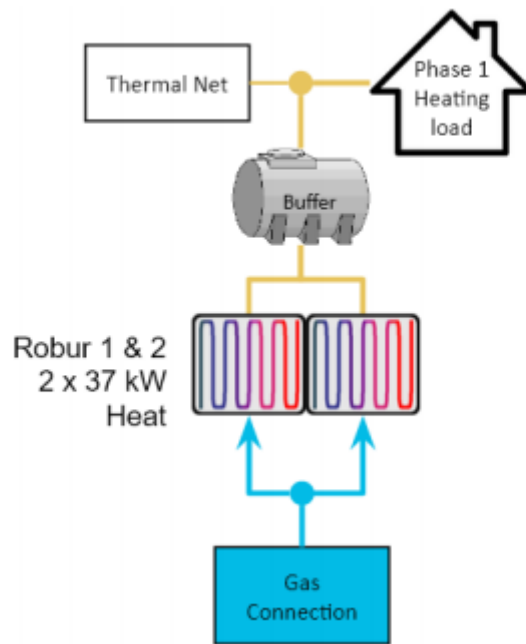


Figure 1: Phase 1 Energy Diagram