CopperTree Analytics

Connecting **Buildings** | Connecting **People**

COPPERTREE'S FAULT DETECTION AND DIAGNOSTICS (FDD) PLATFORM FOR LONG TERM CARE HOME

CLIENT **OVERVIEW**

To combat the pressures of COVID-19 on this Canadian Province's long-term care sector, an ambitious plan to build a new long-term care home was formed. What was the challenge? The home was required to be built in months, instead of years that would be commonplace for this type of project. The client's accelerated build timeline required out-of-the-box thinking and a near-perfect strategy.

BENEFITS

Kaizen's analysis of building data over a period of 2 months resulted in CopperTree Kaizen identifying some key faults equivalent to 213,636 kWh of energy savings and $23,500 potential savings.

THE PROJECT

The new long-term care home is a six-story, 320-bed state-of-the-art care facility. Designed with health and wellness of residents at the forefront, the home is equipped with a sustainable green roof, court-yards and energy efficient systems.

THE CHALLENGE

Given the nature of an accelerated build process, it was critical for the success of the analytics project to integrate with the BAS system quickly and apply analytics on the data to generate actionable findings during the shortened commissioning phase in order to facilitate a clean and error-free turnover to the client and the building's new residents.

THE SOLUTION

CopperTree's flexible data integration approach allowed the client to integrate with the BAS while the commissioning work was still ongoing in a phased approach to ensure the proejct stayed on schedule. CopperTree's Kaizen sotware was also tasked with identifying deficiencies from the commissioning process. This meant that, on top of the standard FDD rules, the platform had to be capable of applying custom rules based on the building's sequences of operation to identify issues.