

Project Title: Smart Home (Students can come up with their own catchy name)

Project Summary: TELUS Living is a new group within TELUS that is repurposing company owned real estate assets into residential units for rent or sale. This is typically accomplished by migrating old legacy circuits (copper) onto fibre networks and then removing the old copper equipment. The new equipment can either be in another existing building further away or into a part of the same land but in a much smaller footprint. The remaining land can be redeveloped into housing units.

This is a key pillar of TELUS sustainability strategy to get to net zero someday as fibre is a much more energy efficient technology overall. The much longer distance capabilities of fibre networking vs copper allow for a much more efficient use of land and buildings.

We have a variety of "remote equipment offices" which have become unnecessary once the network is migrated to copper. These can sometimes be within a single family neighbourhood and are prime candidates for repurposing of the land into a low to medium density development.

In this capstone project, students will answer the question; what is the best type of residential building to be placed on such properties? The building must be as sustainable as possible over the entire life cycle of the building, cost effective and welcome and encouraged. Students are encouraged

to innovate in the construction industry.

presentation

and construction methodology

them

elements and strategy

partnerships (list of key partnerships and stakeholders)

and incentives and how they relate