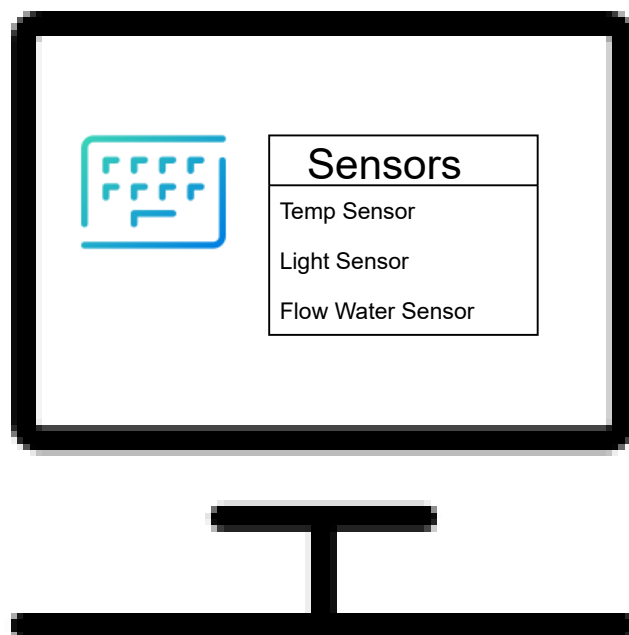# GreenHouse Testing

We will test the HMI module at the greenhouse. We will set up the tests in SimuLink and send them via labkit1. Labkit2 reads data from the CAN bus and reacts to this. If it is data to be displayed on the GreenHouse display, data about this is sent via serial communication to the computer that has an emulator of display/keyboard. You can also send data from the emulator to labkit2 which changes the status of sensors in labkit2.

Emulate GreenHouse Key/LCD

Sensors
Temp Sensor
Light Sensor
Flow Water Sensor

Serial USB

Labkit 1

Running Tests

Purpose: Run tests from SimuLink

SoftWare: Lab kit

Connected to: SimuLink

CAN

Labkit 2

GreenHouse HMI

Purpose: Emulate GreenHouse hardware

SoftWare: Modded Lab Kit