

## Configuration

1 Select EnergyPlus (.idf) and Weather (.epw) files.

2 Select i/o from EnergyPlus (.idf)

3 Assign aliases to variable names

## System Identification

1 Generate random input signal

2 Package i/o data

3 Identify models using Matlab toolbox

## Control Design

1 Select i/o control variables from EnergyPlus

2 Design Control Strategy in Matlab

## Simulation & Assessment

1 Perform co-simulation

2 Plot EnergyPlus outputs

3 Save results to workspace

## Building Systems Interface

1 Identify BACnet devices (Who-Is requests)

2 Read from/Write to BACnet devices

3 Setup controller for BACnet devices