## Field Master

- caculates time of the day to produce offset and phase length

- provides offset, phase length to PLCs at each intersection

- accepts manual input offsets

- monitors current offsets

## PLC at parker, ruggles, forsyth

- accepts inputs from the field master

- accepts inputs from the sensors (e.g. number of vehicals at green lights, pedestrian button pressed)

## To Test each ST program with Simlink

- start openplc runtime

- choose a folder (e.g. field master), upload the .st program, set hardware to simulink linux, and start the runtime

- in the st folder, run `make` and `./simlink\_fm`

- you'll observe the outputs from the .st program

## To integrate with the physical process

- when input/output variables from the physical process are ready,

- uncomment the test code at the beginning of the .st program