



Connect the unconnected

Power-up your IoT Innovation with an event-driven algorithm

The problem I am solving is:

How to divert city traffic away from a dangerous fire.

I am connecting a

Fire alarm

to a

Traffic light controller

The sensor-equipped device

The Fire alarm controller will sense Fire sensor messages

It will take 60 measurements every minute over a period of 24 hours

It will process this data by Checking the state of all the sensors for indicators of fire

The condition that will trigger a message is Any sensor indicates an active fire

The message will contain Location and intensity of the fire. Timestamp.

The message-receiving device

The Traffic controller receiving the message will Listen for fire notifications nearby

The action that it carries out will be

hold back and divert normal traffic away from the fire location, and away from the route taken by emergency services. Notify other controllers.

After this the Traffic controller will Listen for a 'return to normal' signal from fire service.

I will minimise data transmitted over the network by

Only sending messages from fire alarm when fire is detected (not during normal state)

