




# DIGITAL CONNECTIVITY

*SMART CITY*

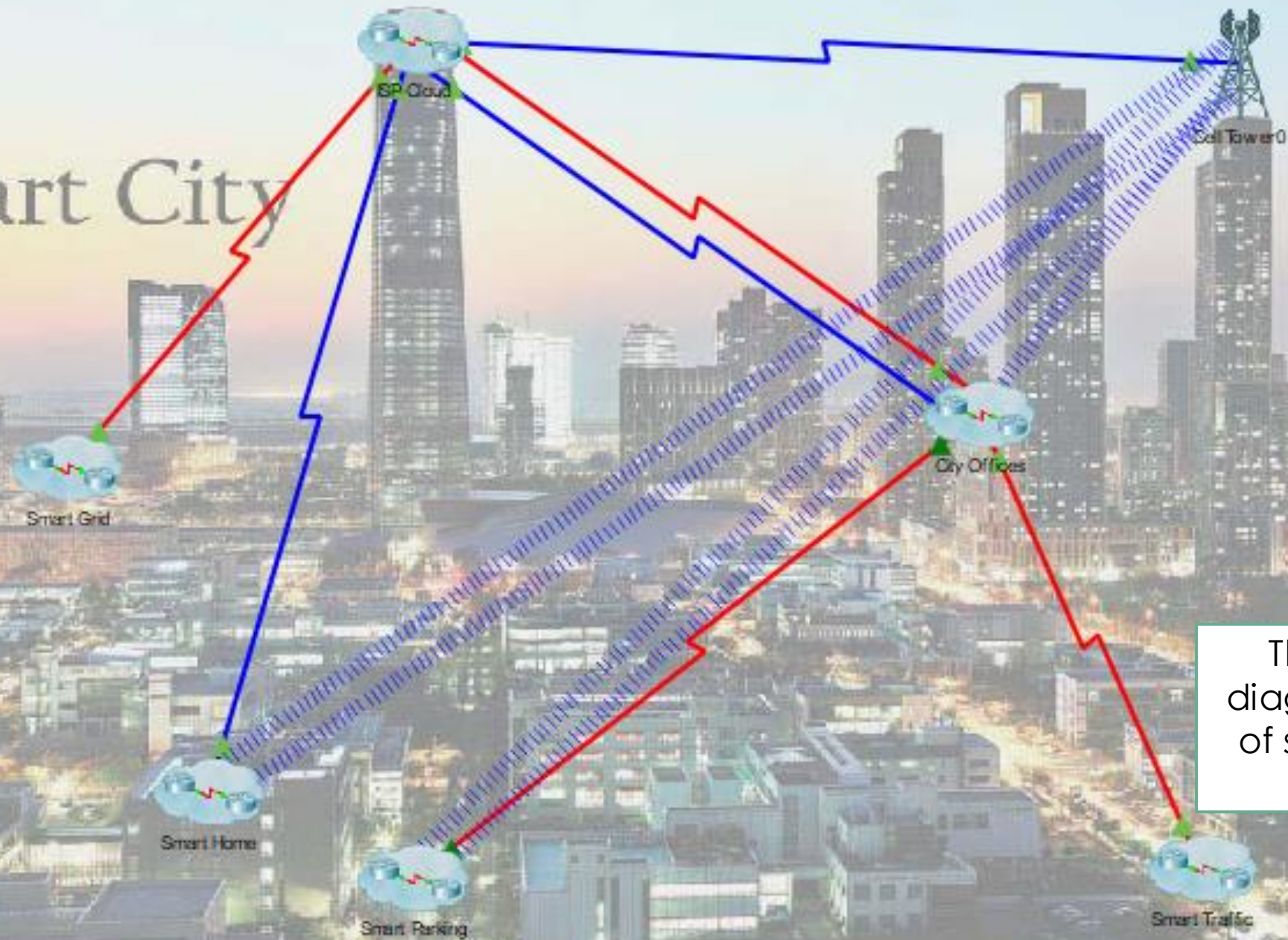
**BY**  
**ADITIYA BANSAL**



# COMPONENTS OF DIGITAL CONNECTIVITY

- 1 -ISP cloud (Internet service provider)
  - 2 -City office
  - 3 -Smart Grid
  - 4 -Smart Parking
  - 5 - Smart Traffic
  - 6 -Smart Home
- 

# Smart City



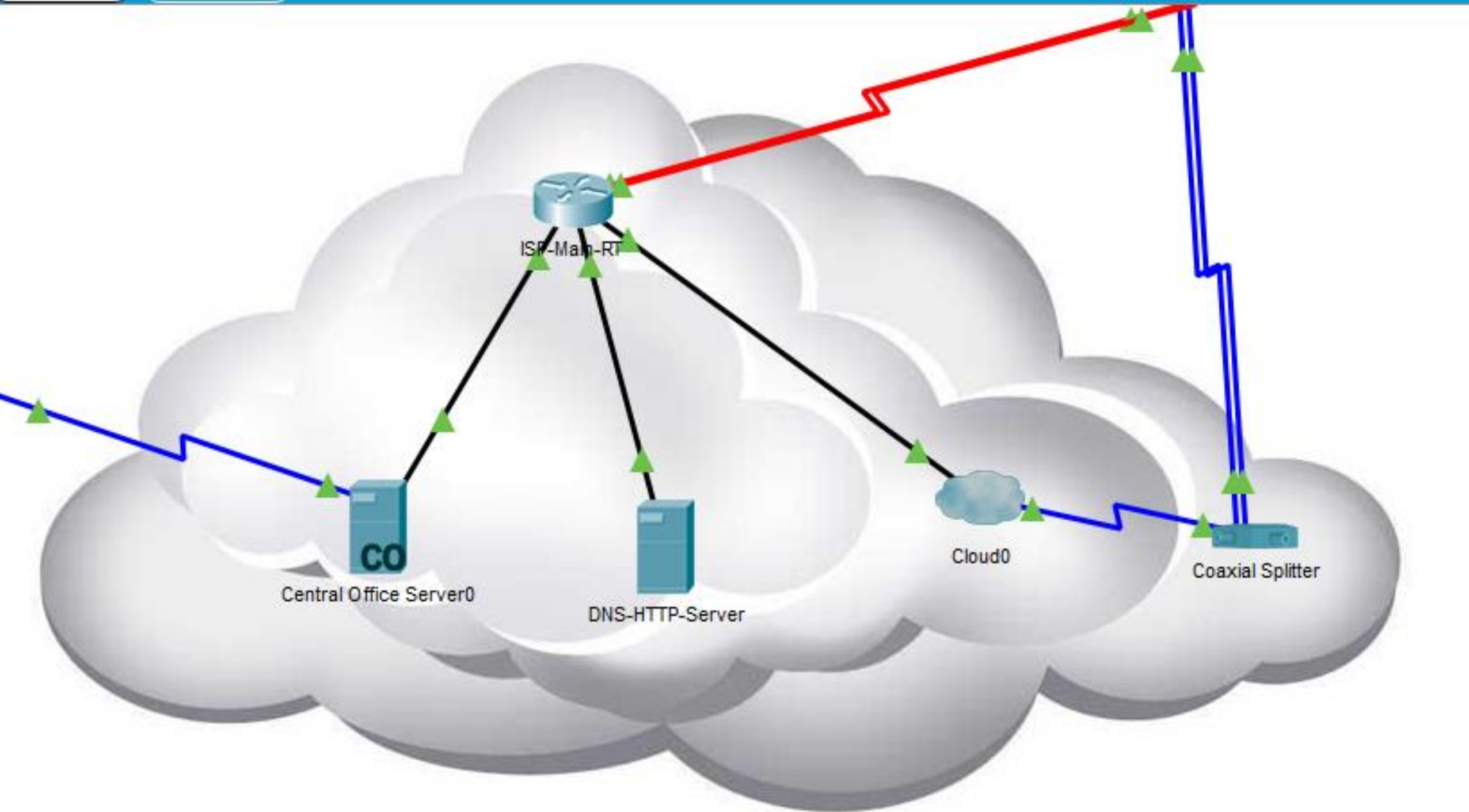
This is the logical diagram/connection of smart city (Digital connectivity)



# ISP cloud (Internet service provider)

Internet service provider provide the cloud service to smart city.It helps in to solve geographic challenges and provide a better computing support.

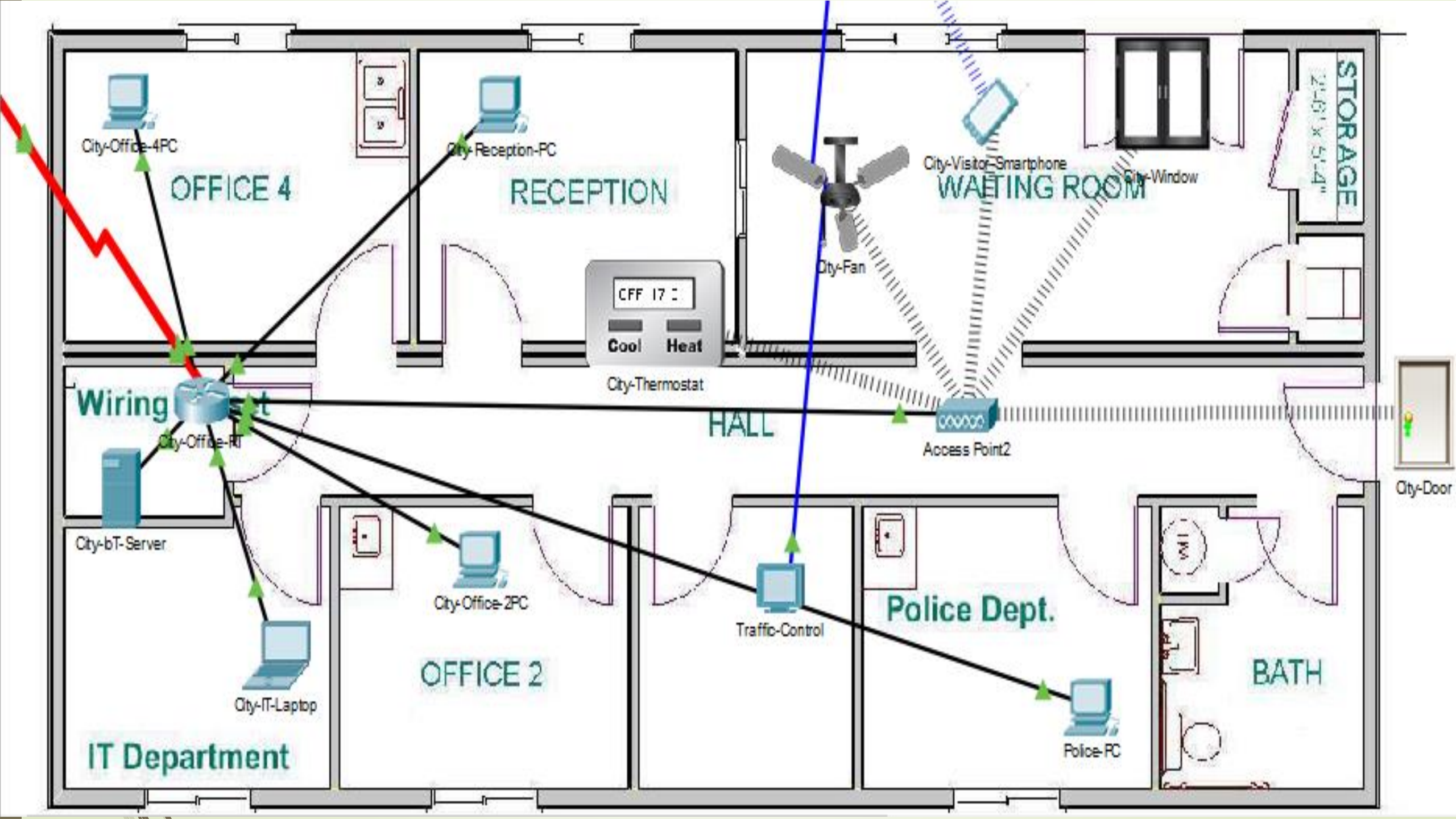
***Next silde –Inner connection of ISP cloud***



# City office

City office controls the Smart traffic ,Smart Parking .It has local city IoT local server ,data is accessed by a laptop, smart phone or computer.

City office is also capable of sending request /complain to police as shown in next-slide.

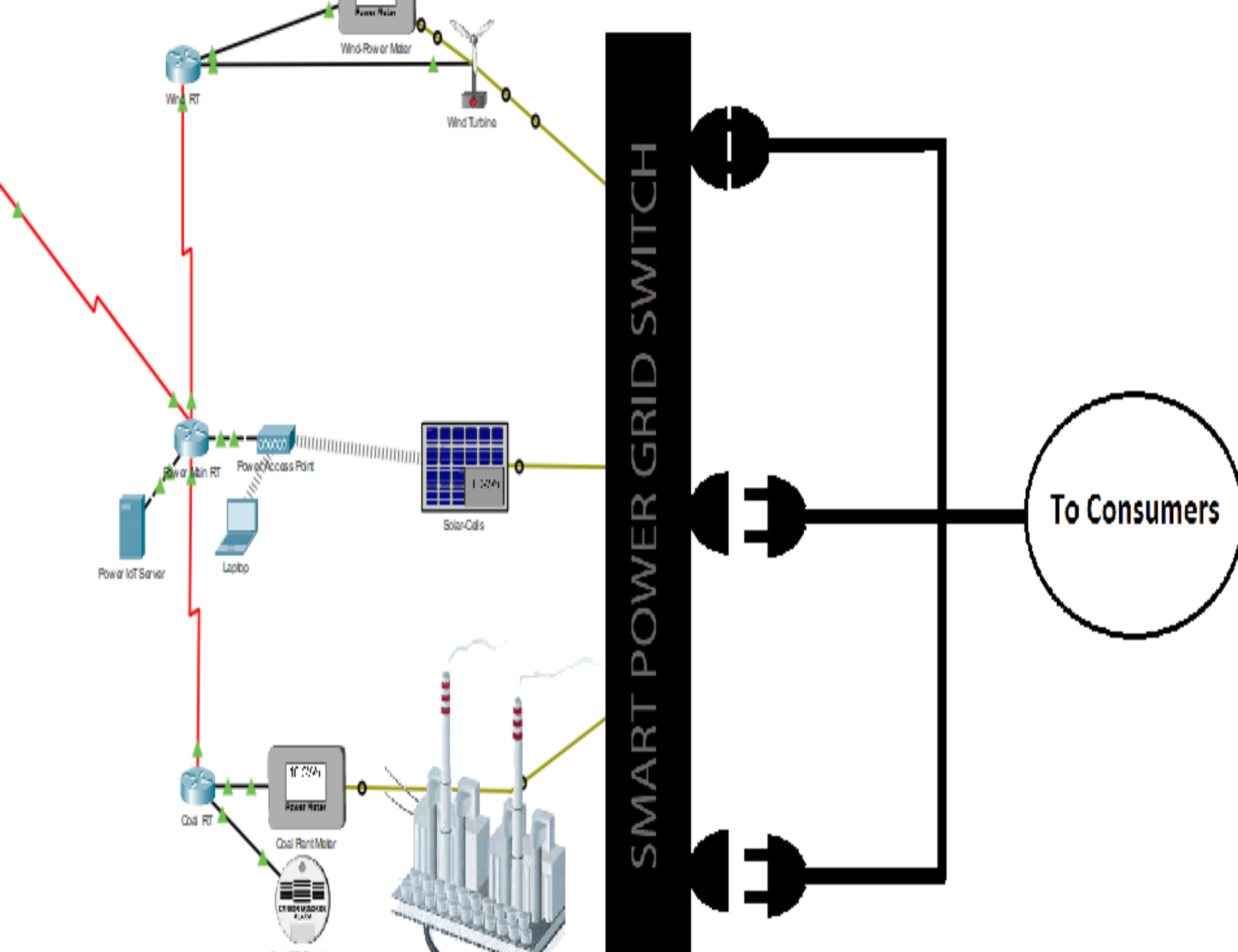




# Smart Grid

*Smart Grid is based on providing electricity to consumers. As in the next side ,three electricity provider .Solar plant not work at night so wind mills of coal power plant capable of providing electricity. All thing are automated. When there is no efficient air pressure or no sunlight ,smart grid switch automatic connect the coal power plant electric switch and provide electricity to consumers.*





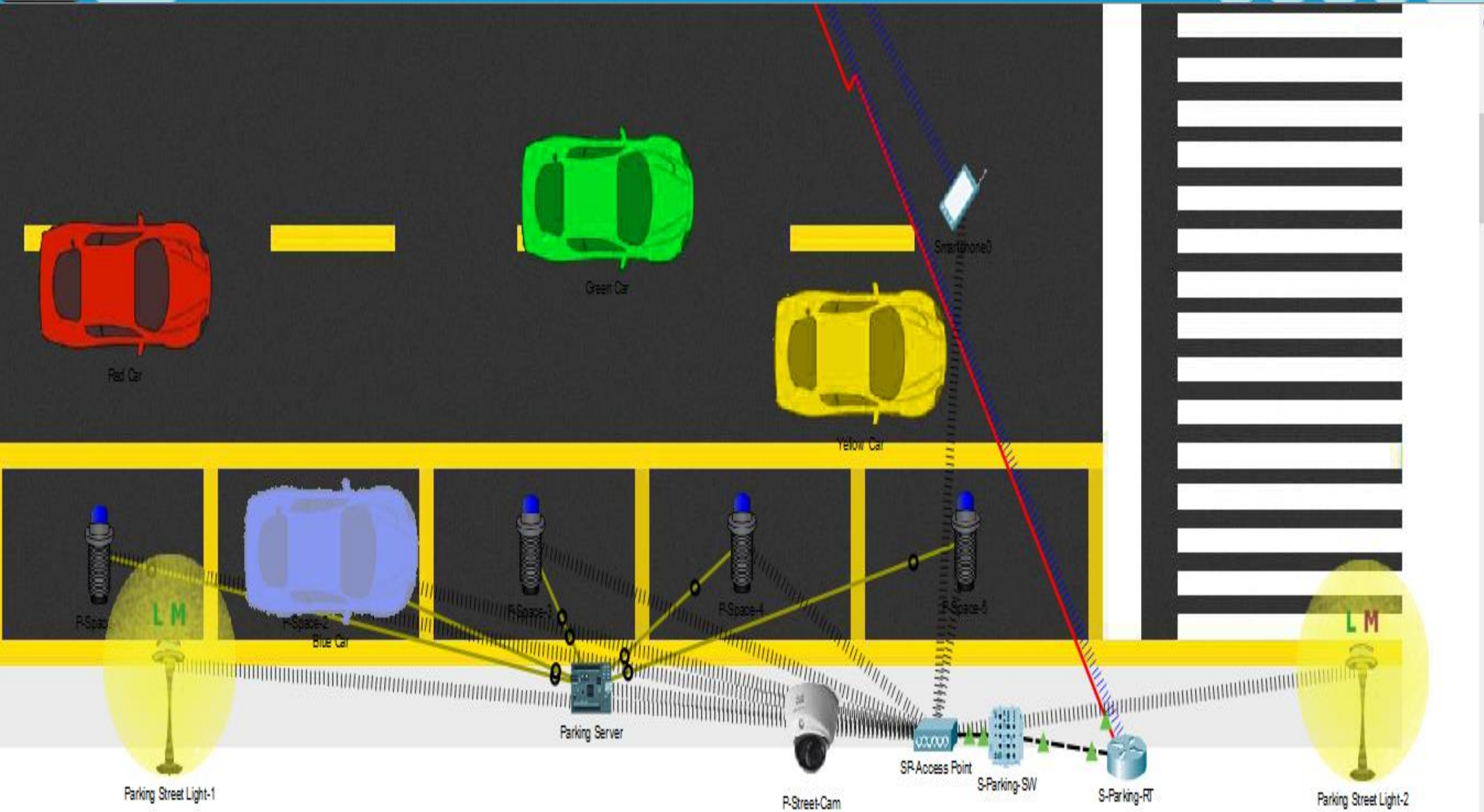
Sun

# Smart Parking

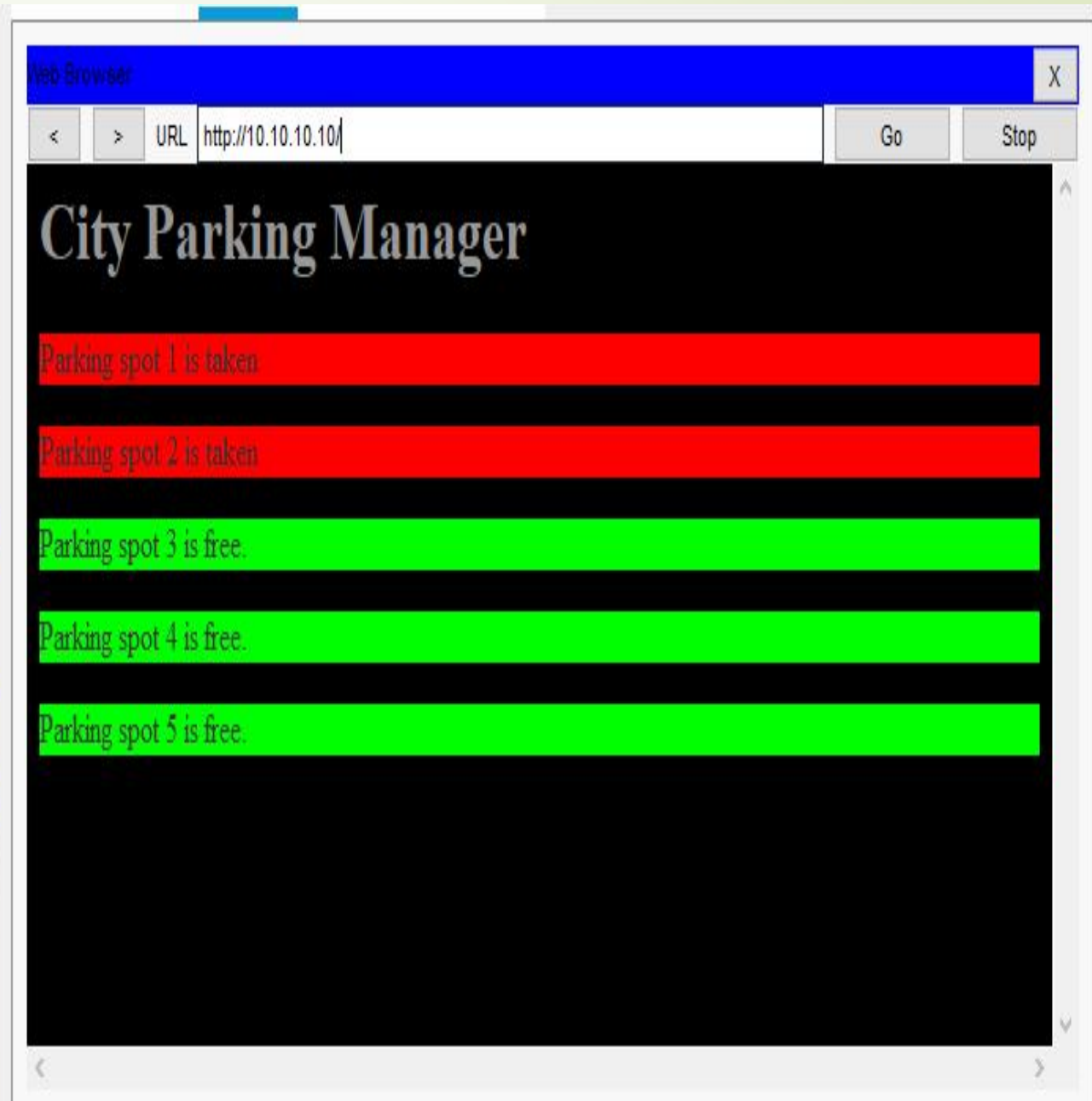
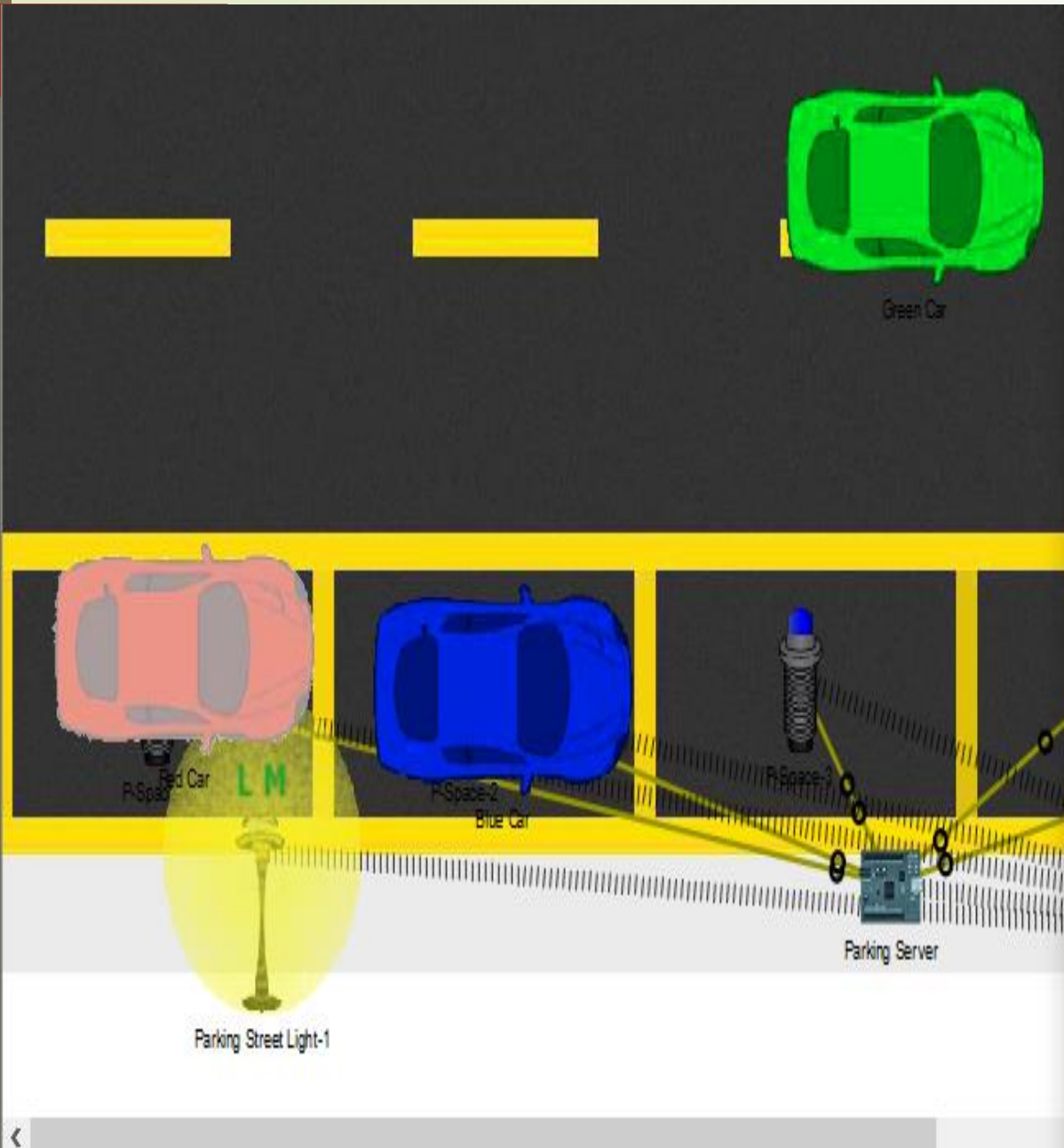
*Smart parking helps in providing space for vehicle for parking slot. User can access the data from anywhere in the world*

*Metal detector sensor are used in the Cluster .*

Client can access the data from client side web based application.



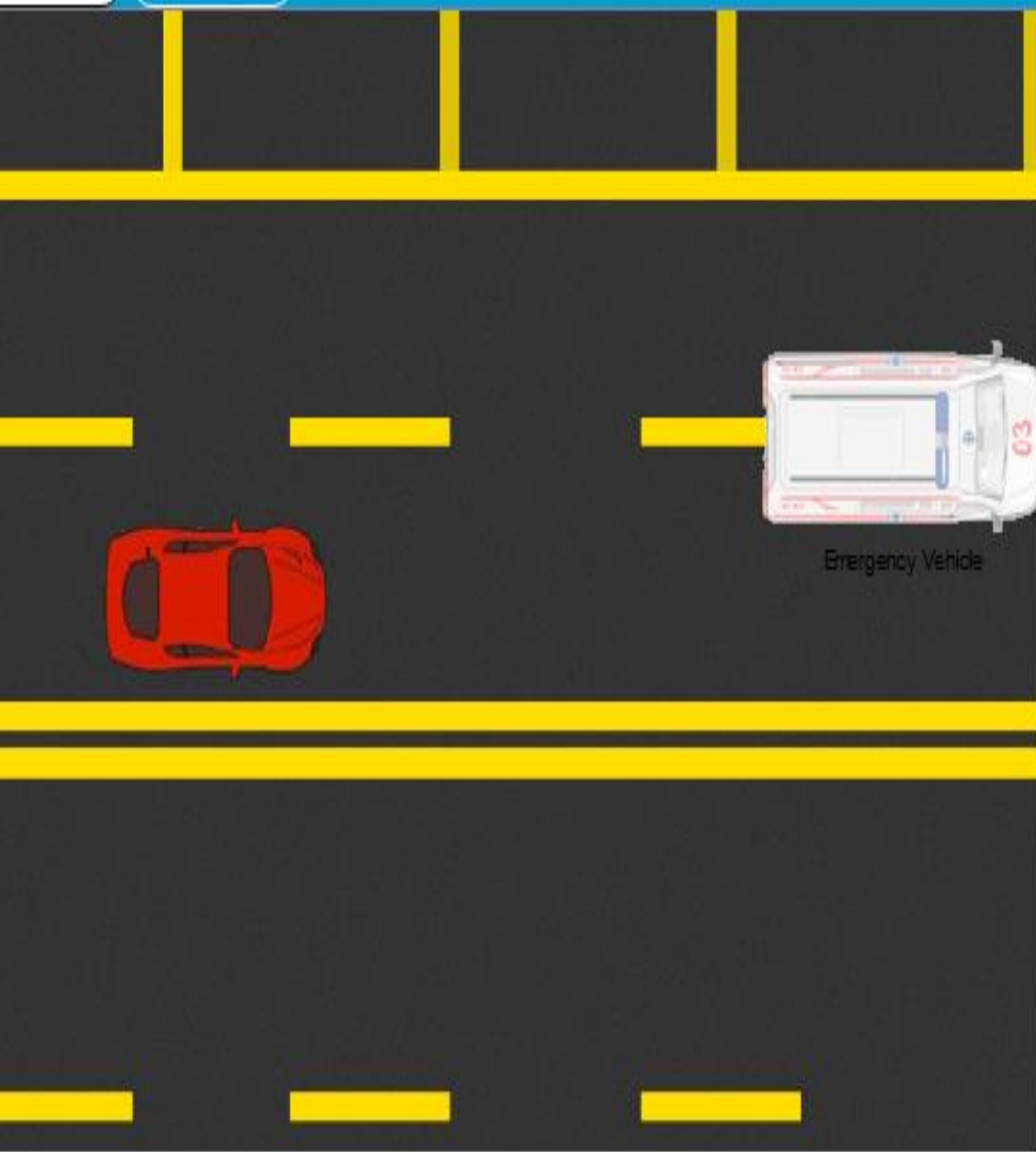
## After the car is parked



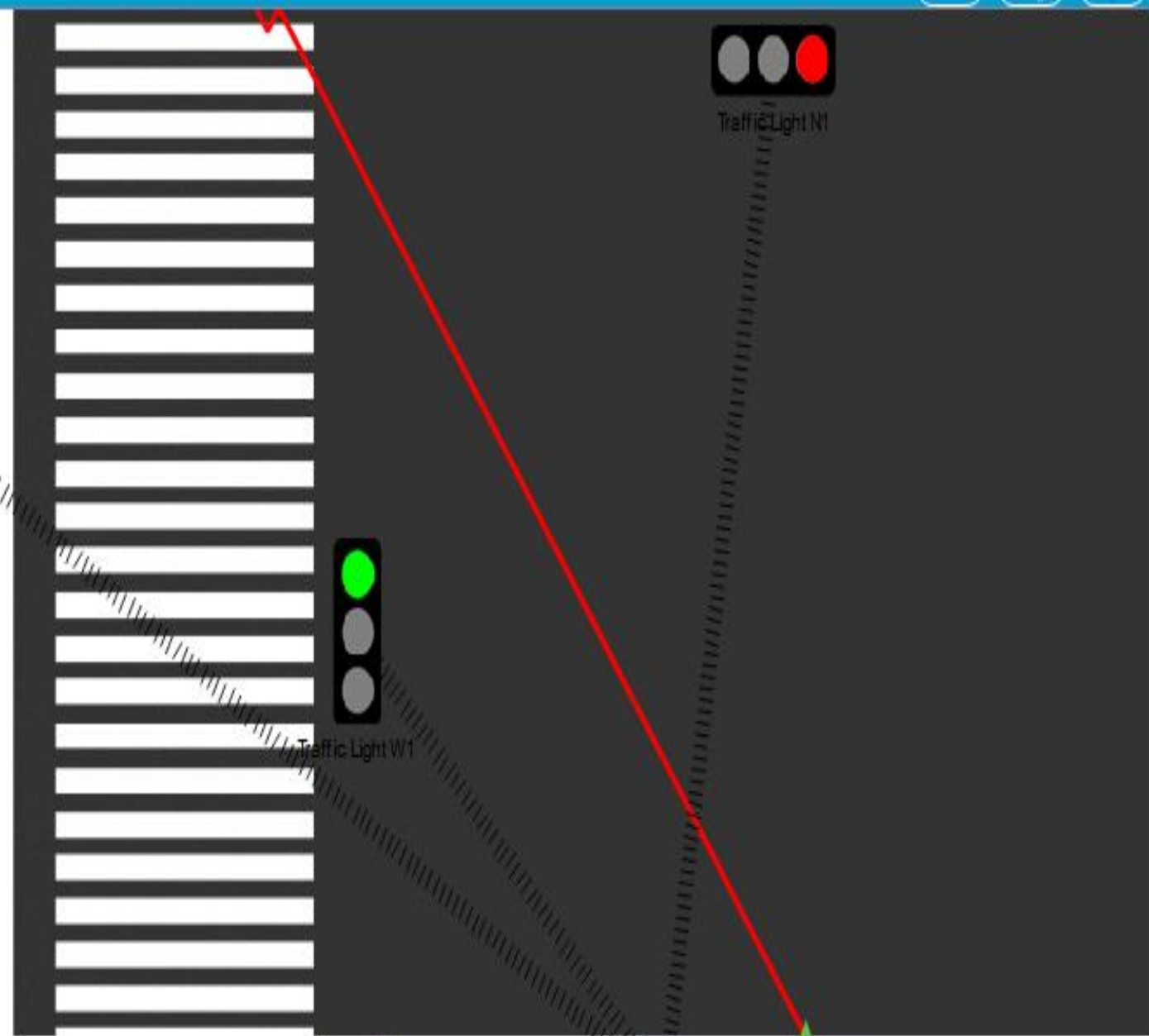


# Smart Traffic

*The paramedics vehicle sends a message to the MCU controlling the traffic lights and requests passage. The MCU recognizes the paramedics as a legitimate emergency vehicle and grants it passage by turning the light green. The MCU also turns related lights red to ensure safe passage. When the emergency vehicle has passed safely, the MCU returns system back to its normal operation.*



Emergency Vehicle



Traffic Light N1



Traffic Light W1



Traffic Server




Traffic-Access-Point



Traffic-RT

# SMART HOME

*Smart home is a personal choice to a customers.Smart home directly connected to the ISP.*



*Smart home consists of sense and control the CO2 and CO,Smart AC which is control anywhere across the globe,smart lawn sprinter,smart coffee ,smart electricity connection,smart fan,smart garage and many more thing that customer needs.*



