SMART

CHARGING SOLUTION

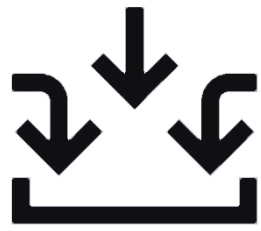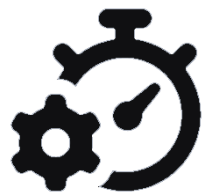EMSER

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OBJECTIVES

- Bidirectional communication with the chargers by OCPP protocol
- Multiple recharging points management
- Managing authorizations of charge for users
- Scheduled optimization of recharge
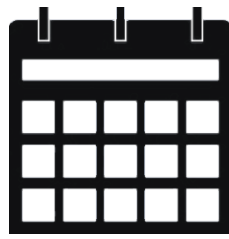- Universal Compatibility
- Intelligent balancing of charge
- Management and monitorization of charging intakes of every recharging point
- Scheduled reserve of chargers
- Remote update of the chargers firmware

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LPS (Line Protection System)

Powerline

Server

Router

Switch

Remote management (Web page)

Local management

OCPP Communication

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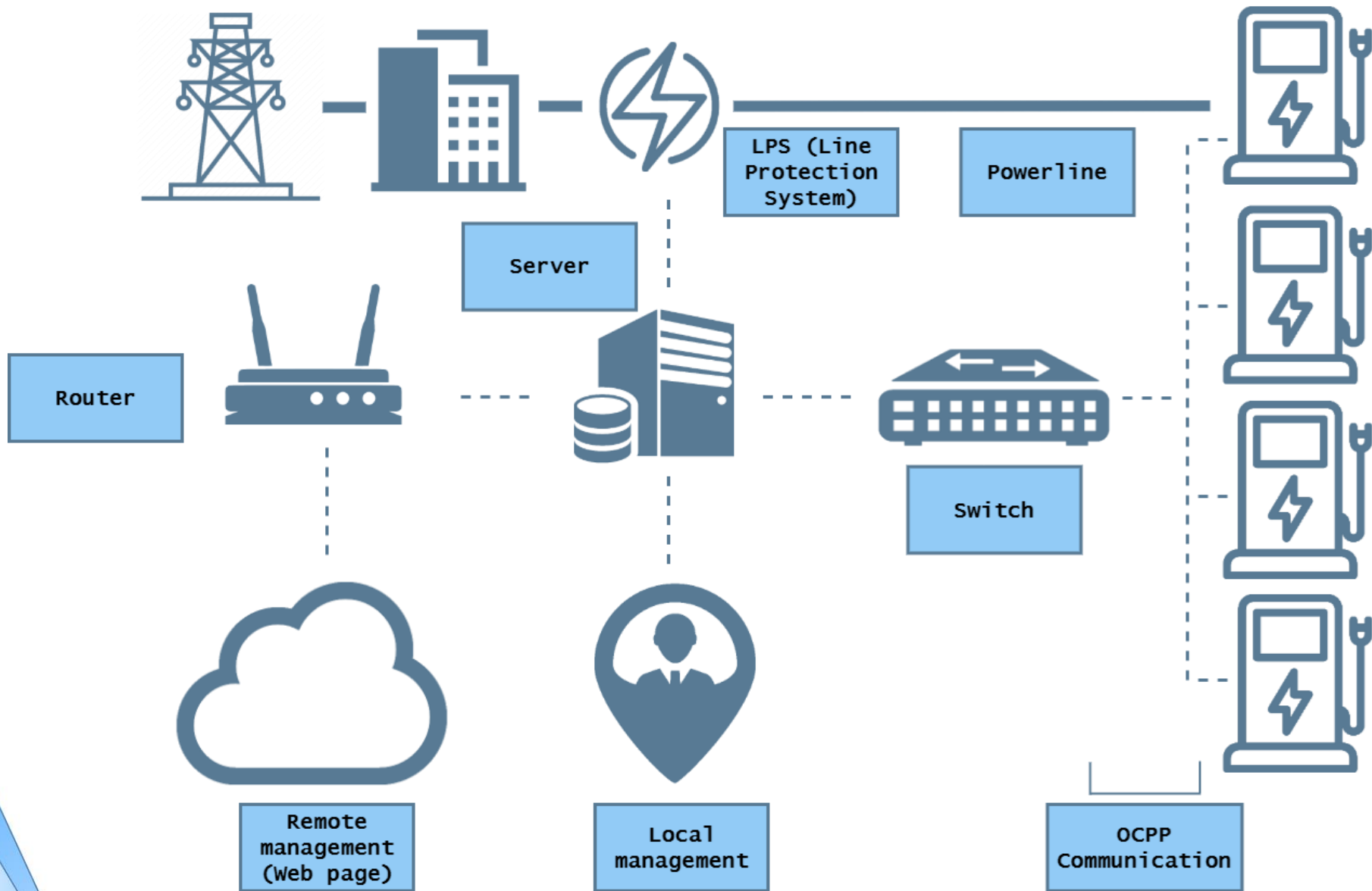
Choose the location from the map
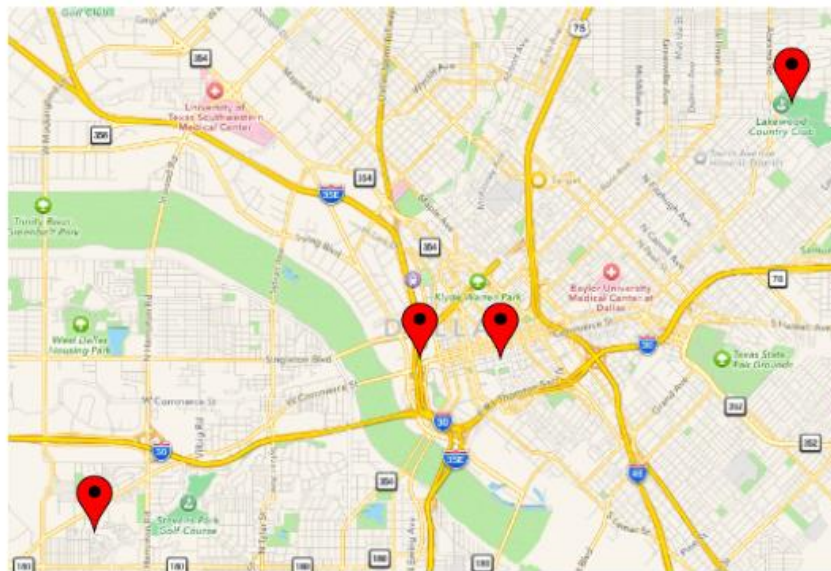
| Location 1 | Location 2 | Location 3 | Location 4 |

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**Number of
Charge Points**

8

**Number of
OCCP Tags**

1

**Number of
Users**

0

**Number of
Active Reservations**

0

**Number of
Active Transactions**

0

**Number of Connected
JSON Charge Points**

OCCP 1.2 : **0**

OCCP 1.5 : **0**

OCCP 1.6 : **0**

Recieved Heartbeats

Today : **0**

Yesterday : **0**

Earlier : **0**

Connector Status

Avaliable: **8**

Charging : **1**

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OCCP BENEFITS

- Autonomous offline operation

- Recharge transactions synchronization

- EV charger monitoring

- Authorization users

- Meter Values

    - EV chargers reservation

    - Remote Start/Stop

    - Remote firmware

    - EV chargers diagnostics

    - EV chargers reboot

SMART CHARGING FROM BACK OFFICE

EMSER SMART CHARGING BENEFITS

- ENERGY
  - REDUCE RECHARGE COST
  - ENERGY BALANCE
- INFRASTRUCTURE
  - AVOID INCREASING ELECTRIC GRID
- CONTROL
  - CONTROL CHARGING
  - BACKOFFICE LOCAL CONTROL OR OFFLINE AND OPERATION

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