



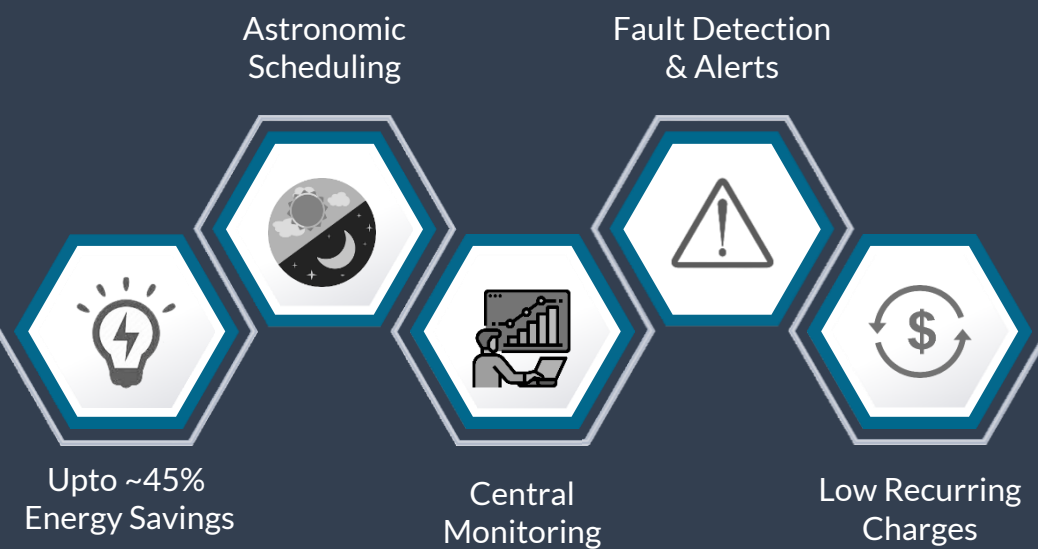
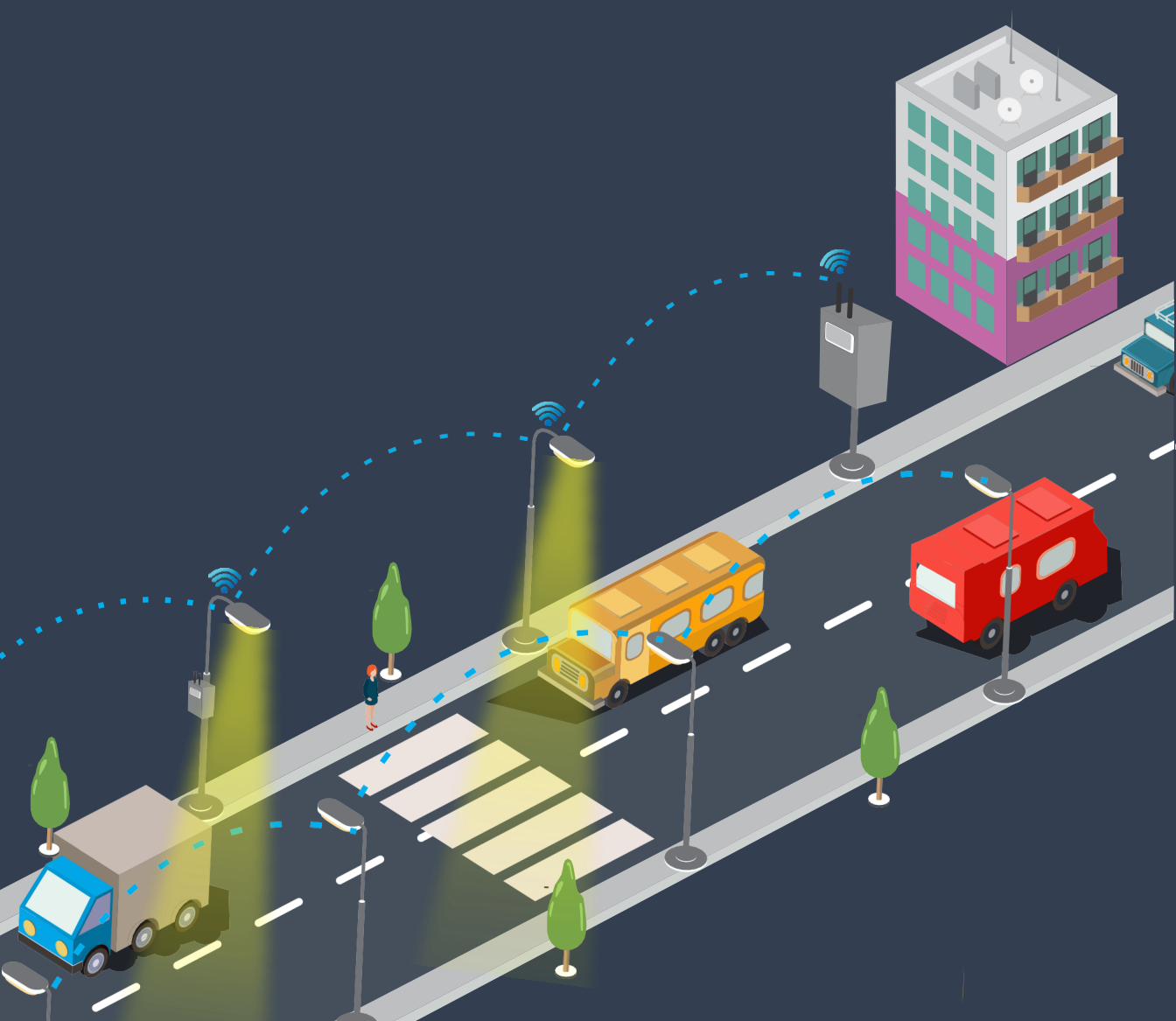
mightyTIMER



# Smart Street Light CCMS Solution



# Common Features



# Solution Portfolio



- 1 Group Control, Monitor

Wi-Fi GSM NB-IoT
- 2 Group Control, Monitor & Stagger

Wi-Fi GSM NB-IoT
- 3 Individual LoRaWAN / NB-IoT Control

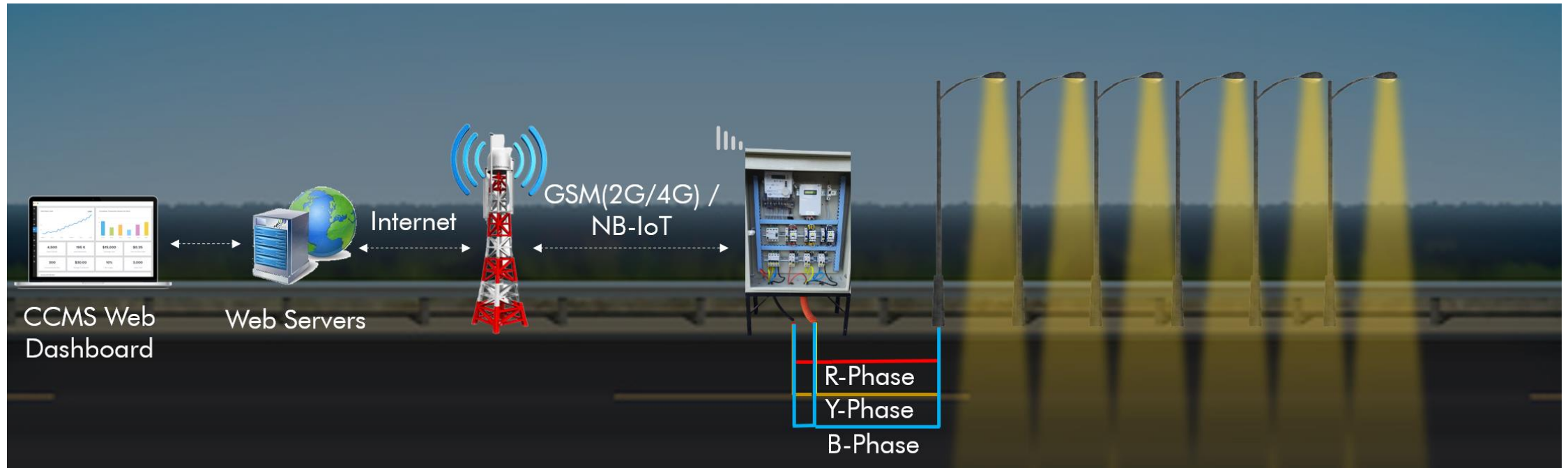
LoRaWAN NB-IoT
- 4 Group + Individual LoRaWAN / NB-IoT Control

GSM NB-IoT LoRaWAN
- 5 Group + Individual IoTMesh Control

GSM NB-IoT Zigbee
- 6 Group + Individual IoTMesh Control  
With Motion based Dimming

Person GSM NB-IoT Zigbee

In this solution Group Controller connected with the group of Street lights.



### Pros

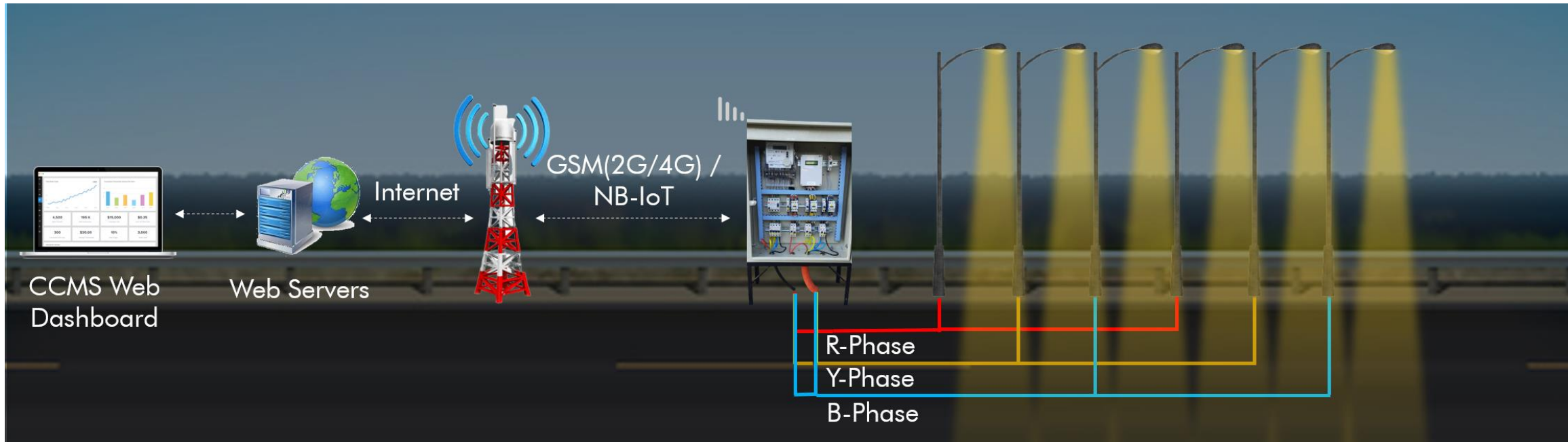
✓ Group Controlling

### Cons

✗ No Individual Pole Fault Monitoring & Control / Configuration



In this solution Group Controller connected with the group of Street lights with individual phase control.



### Pros

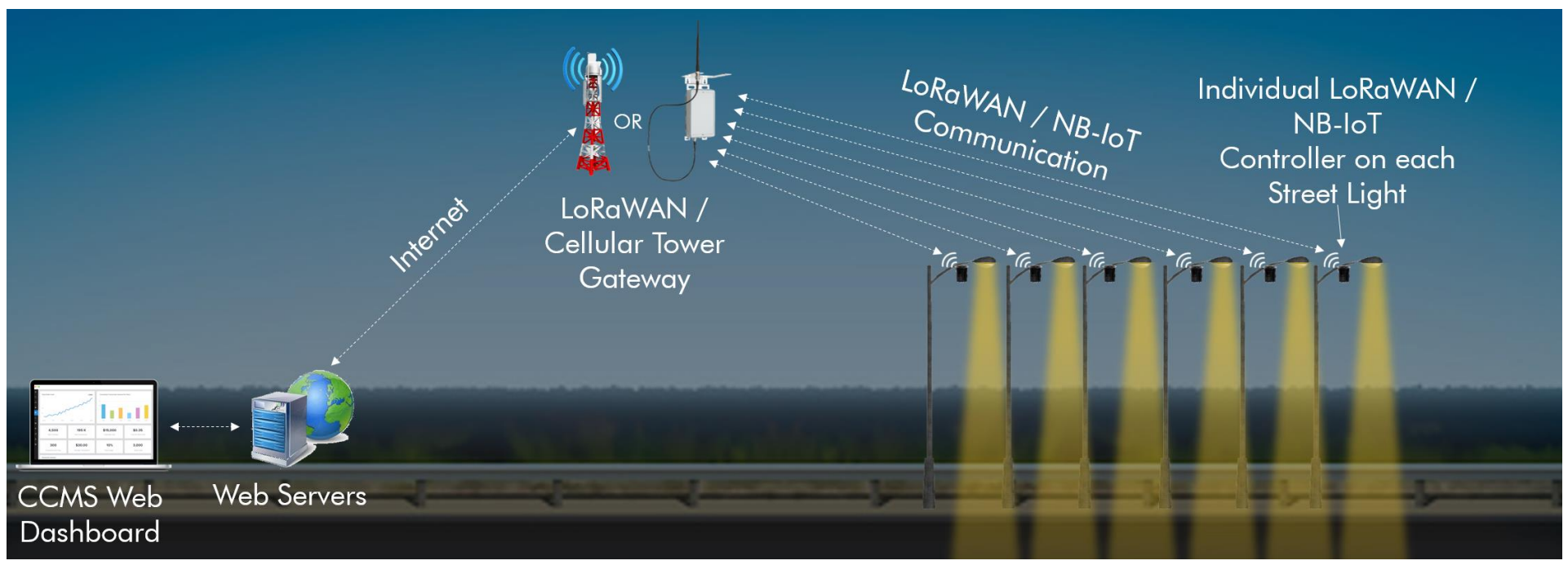
✔ Group Controlling

✔ Staggering - Energy Savings

### Cons

✘ No Individual Pole Fault Monitoring & Control / Configuration

In this solution LoRaWAN / NB-IoT Individual Controller installed on each Street Light Pole which communicates via LoRaWAN Gateway / NB-IoT Cellular Tower Gateway .



### Pros

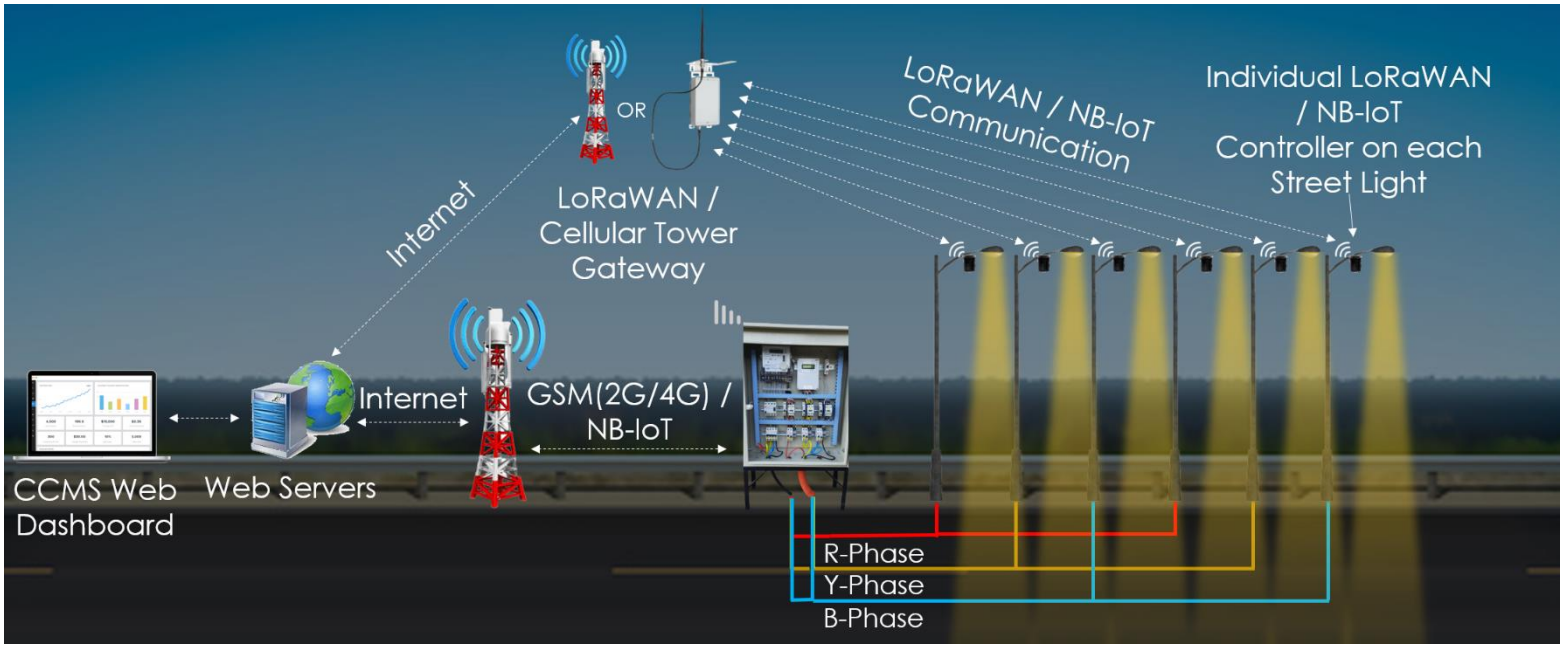
- ✓ Individual Pole Fault Monitoring & Control / Configuration
- ✓ Staggering - Energy Savings
- ✓ Dimming- Energy Savings
- ✓ Negligible Recurring Charges due to only Gateway communicates with GSM

### Cons

- ✗ No Group Controlling
- ✗ High Expenses of Individual Controller
- ✗ No Manual Operation
- ✗ Power Wastage -Standby Current due to power connected to individual controller

# LoRaWAN / NB-IoT Individual + Group Control

In this solution Group Controller connected with the group of Street lights with individual phase control & LORaWAN / NB-IoT Individual Controller installed on each Street Light Pole which communicates via LoRaWAN Gateway / NB-IoT Cellular Tower Gateway .



## Pros

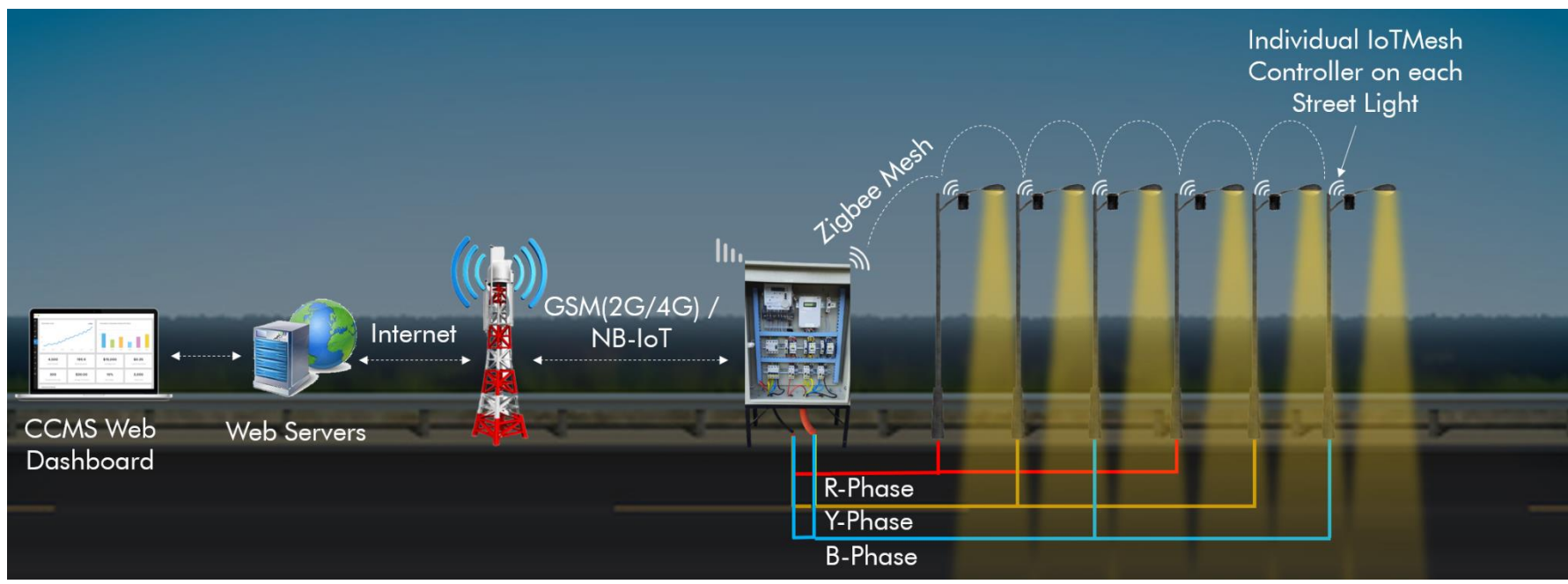
- ✓ Individual Pole Fault Monitoring & Control / Configuration
- ✓ Staggering - Energy Savings
- ✓ Group Controller operates individual controller-power savings

- ✓ Group Controlling
- ✓ Dimming- Energy Savings
- ✓ Negligible Recurring Charges due to only Gateway communicates with GSM

## Cons

- ✗ High Infrastructure Cost

In this solution Group Controller connected with the group of Street lights with individual phase control & Individual IoT Mesh Controller installed on each Street Light Pole which communicates via zigbee(RF) Mesh Network.



## Pros

- ✓ Individual Pole Fault Monitoring & Control / Configuration
- ✓ Staggering - Energy Savings
- ✓ Group Controller operates individual controller-power savings

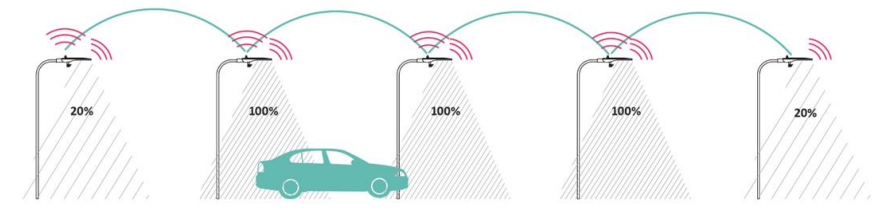
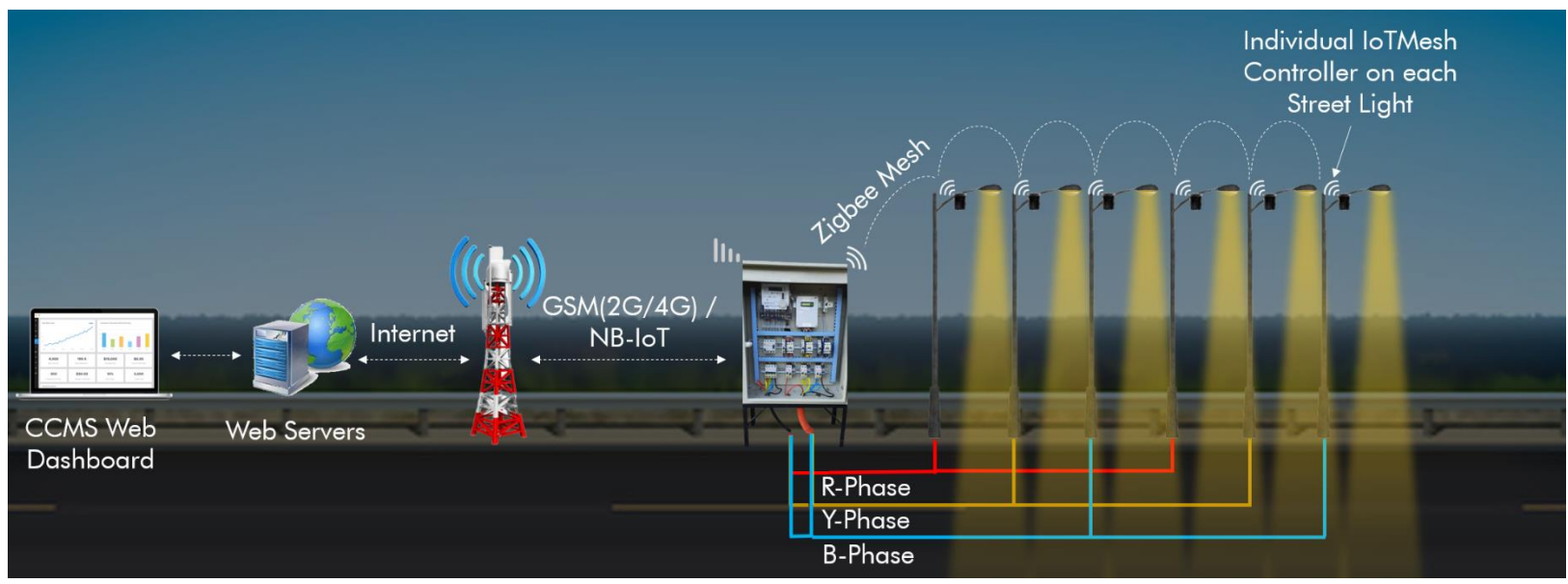
- ✓ Group Controlling
- ✓ Dimming- Energy Savings
- ✓ Negligible Recurring Charges due to RF Mesh Communication of individual Controller

## Cons

- ✗ No Motion based Dimming
- ✗ High Infrastructure Cost



In this solution Group Controller connected with the group of Street lights with individual phase control & Individual IoT Mesh Controller installed on each Street Light Pole which communicates via zigbee(RF) Mesh Network.



Motion based Dimming

## Pros

- ✓ Individual Pole Fault Monitoring & Control / Configuration
- ✓ Staggering - Energy Savings
- ✓ Group Controller operates individual controller-savings
- ✓ Group Controlling
- ✓ Motion based Dimming- Energy Savings
- ✓ Negligible Recurring Charges due to RF Mesh Communication of individual Controller

## Cons

- ✗ High Infrastructure Cost



MEMIGHTY®

“Where Ideas, Dreams & Passion convert to **inventions**”

## Contact Us



(+91) 9978923444



[info@memighty.com](mailto:info@memighty.com)



5<sup>th</sup> Floor, Shraddha Apartment, Behind Giriraj Furniture, Kubernagar-1, Katargam Darwaja,  
Surat - 395004. Gujarat (India)



[www.memighty.com](http://www.memighty.com)

File Name	mightyTIMER Brochure
Version	V5
Published	17/06/2021