Smart Traffic Lights Solutions
What does it solve?

- Less time spend on waiting at junction
- Improve living & working conditions of the community
- Reduce traffic congestion
- Real-time monitoring of infrastructure’s operation status
- Reduction of carbon emission
- Analysed data for future traffic optimization & township planning
- Reduction on operational cost
Smart Traffic Lights Solutions

- Service that enhances existing traffic control system by providing central monitoring, data visualization & analytic through a single platform

**What Is It?**

- Single monitoring platform
  - TM ONE Smart Traffic Lights Solutions provides real-time status and data display via TM IOT Board, accessible through any IP connected device.

- Real time fault notification
  - Alarm will be triggered by predefined events and immediately disseminate to relevant teams through the ‘Telegram’ mobile app.

- Cloud based platform
  - Cloud based platform enables fast implementation and support over the air (OTA) upgrade.

**Service Helpdesk**

With TM ONE Smart Traffic Lights Solutions, we offer end-to-end managed services to ensure high performance, reliable and secure user experience.

- 24x7 Service Helpdesk (Toll free number: 1-800-88-1060)
- Service monitoring and management at TM ONE Integrated Operation Center (IOC)
How It Works?

Smart Traffic Lights Solutions

- TM ONE IOT Dashboard
- TM ONE Smart Traffic Lights Solution IOT Box
  - Traffic Controller Unit (TCU)
  - Sensor (Loop/ WVD/ camera)
  - Aspects
  - Gantry

Compulsory

Optional
Can use existing

Real-time status and data is displayed via the TM IOT Dashboard, accessible through any IP connected device.

Alarm will be triggered by predefined events and immediately disseminated to relevant teams through the "Telegram" app.

Data extracted from Traffic ONE STARS IOT Gateway to be analyzed.

Controller and sent to the TM ONE STARS IOT Gateway Communication & Data Collection Device, analyzes the data and sends it to the TM ONE Cloud server through 3G/ LTE Modem.
Complete Smart Traffic Lights Solutions Customer Journey

1. Before TM ONE STARS
   End-Customer’s driving a car faces traffic congestion due to traffic light malfunction. Local Council/Municipal will need to send their repair team.

2. After TM ONE STARS
   With real-time notification, alarm will be triggered by predefined and immediately to operation team. Operation team able to do verification via single dashboard and assign site visit if necessary.

3. With TM ONE STARS
   - Happy citizen with better traffic management.
   - Total visibility on traffics
   - Full control and assign site visit only if necessary

Local Municipal
Able to operate and manage traffic light more efficiently.

Operation Manager
Reduce cost of operation to assign site visit and manpower to manage multiple system.
# Case Study: Smart Traffic Lights Solutions Project in Cyberview

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| Cyberview       | Mandate by the Malaysian Government to spearhead the development of Cyberjaya – one of Malaysia’s first cybercities | With TM ONE Smart Traffic Lights Solutions, TM offers end-to-end managed services to ensure high performance, reliable and secure user experience. The Service includes:  
  - Real-time central monitoring dashboard  
  - Alarm management via Telegram mobile application  
  - TM ONE cloud to host STARS IOT Dashboard  
  - 24x7 Service Helpdesk (Toll free number: 1-800-88-1060)  
  - Service monitoring and management at TM ONE Smart Services Operation Center (SSOC) |  
  - Increase operation productivity by having real-time data display in a single platform  
  - Fast fault resolution via real-time alarm notification and monitoring |
Thank you!

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