

IoT Capability Beyond Connectivity

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TM ONE



Operator Innovator of the Year Award

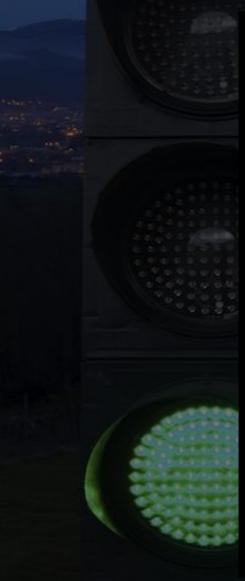
Leader of the Year Award



TM ONE & JKR MOU SIGNING CEREMONY



Landed into the collaboration on IR4.0



DESIGN THINKING WORKSHOPS



Sharing pain points & challenges



With the challenges using the conventional way, it is hard to maintain the operating cost at optimum level while growing the services. Each of the services expansion will require to train people to monitor and manning the services.

OUR METHODOLOGY



Technology should be the last, not the first consideration. Citizen is the first consideration.

WHAT
PROBLEMS
ARE WE
SOLVING?

WHOSE
PERSONA
ARE WE
ADDRESSING?

HOW CAN
THE
SOLUTION BE
SUSTAINED?

WHO ARE THE PLAYERS WITHIN THE **EXISTING ECOSYSTEM** THAT WE CAN LEVERAGE ON?

WHAT **TECHNOLOGY** CAN ADDRESS ALL OF THE ABOVE CONSIDERATIONS?

needs of people

empower existing players to ensure a healthy ecosystem

the technology choice should enable the solution to intuitively adapt and respond to the problem



INTRODUCING TM ONE Smart Traffic Lights Solutions

Smart Traffic Lights Solutions is a service that enhances existing traffic control system by providing central monitoring, data visualization & analytic through a single platform

TM ONE Smart Traffic Lights Solutions

Overall Map View indicates Location of Traffic Lights and Real Time Status
Alarm trigger via Telegram to traffic light provider and Local Councils





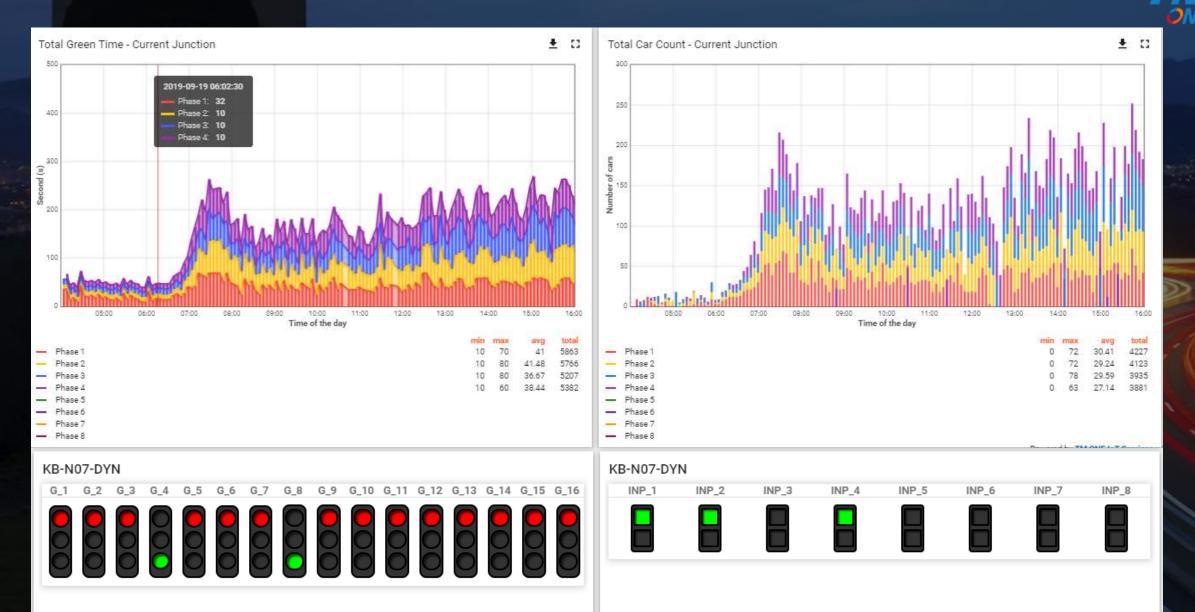
Smart Traffic Lights Solutions







Smart Traffic Lights Solutions Dashboard with real time data analytic

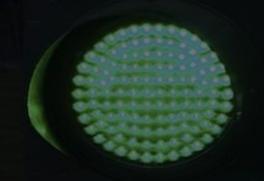


ACCOLADES

30th International Invention, Innovation & Technology Exhibition (ITEX'19), Malaysia (2 – 4 May 2019) **Award Category: Information and**

Communications Technology, Telecommunications, Audio Visual

Hari Inovasi JKR Malaysia (2 Oct 2018) **Award Category: Kumpulan Inovatif & Kreatif (KIK)**

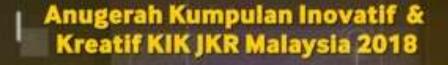








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Ī	INFORMATION AND COMMUNICATIONS TECHNOLOGY, TELECOMMUNICATIONS, AUDIO VISUAL				
ſ	ORGANISATION	INVENTORS	INVENTION	AWARD	
	JABATAN KERJA RAYA MALAYSIA	MOHD RUDZUAN BIN ARIFFIN, AZIMI BIN CHE SOH, AHMAD NASRUDDIN BIN MOHAMED, ZAIHAN BIN AWANG, NIK LUQMAN NOORAIMAN BIN MOHSIN, WAN AZIZ BIN WAN AHMAD, MOHD NAZMI BIN HUSSIN, MOHD FAIZOL BIN GHAZALI	SMART TRAFFIC ANALYTICS & RECOGNITION SYSTEM (STARS)	GOLD	





TM ONE & JKR TOGETHER...



- Implemented STARS at > 50 junctions (Kelantan, Terengganu, Perlis)
- 20 30% cost savings
- Fast to troubleshoot (with alarm generated automatically)
- Future traffic planning (data extracted from the system)
- Ease of operation using TM ONE single monitoring system

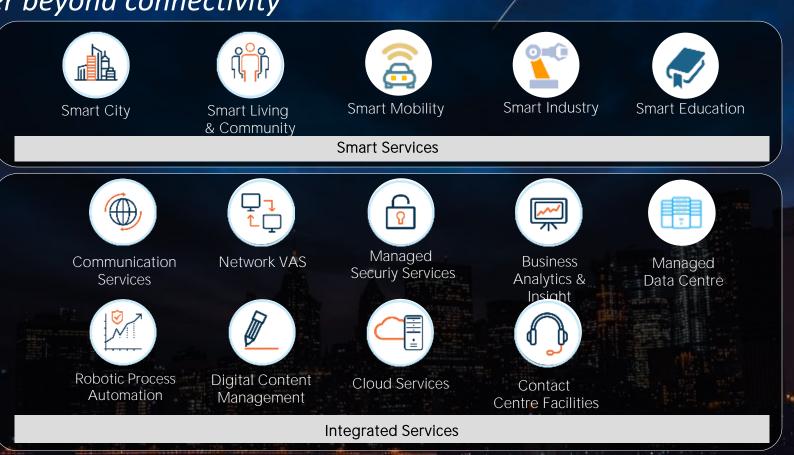
REALIZING DIGITAL ERA OF IR4.0



TM IS NOT JUST ABOUT CONNECTIVITY...



TM is an enabler beyond connectivity





Broadband & Mobile



SDN, Integrated Data & Internet



Global Connectivity



WiFi



Internet Exchange

Connectivity Services

