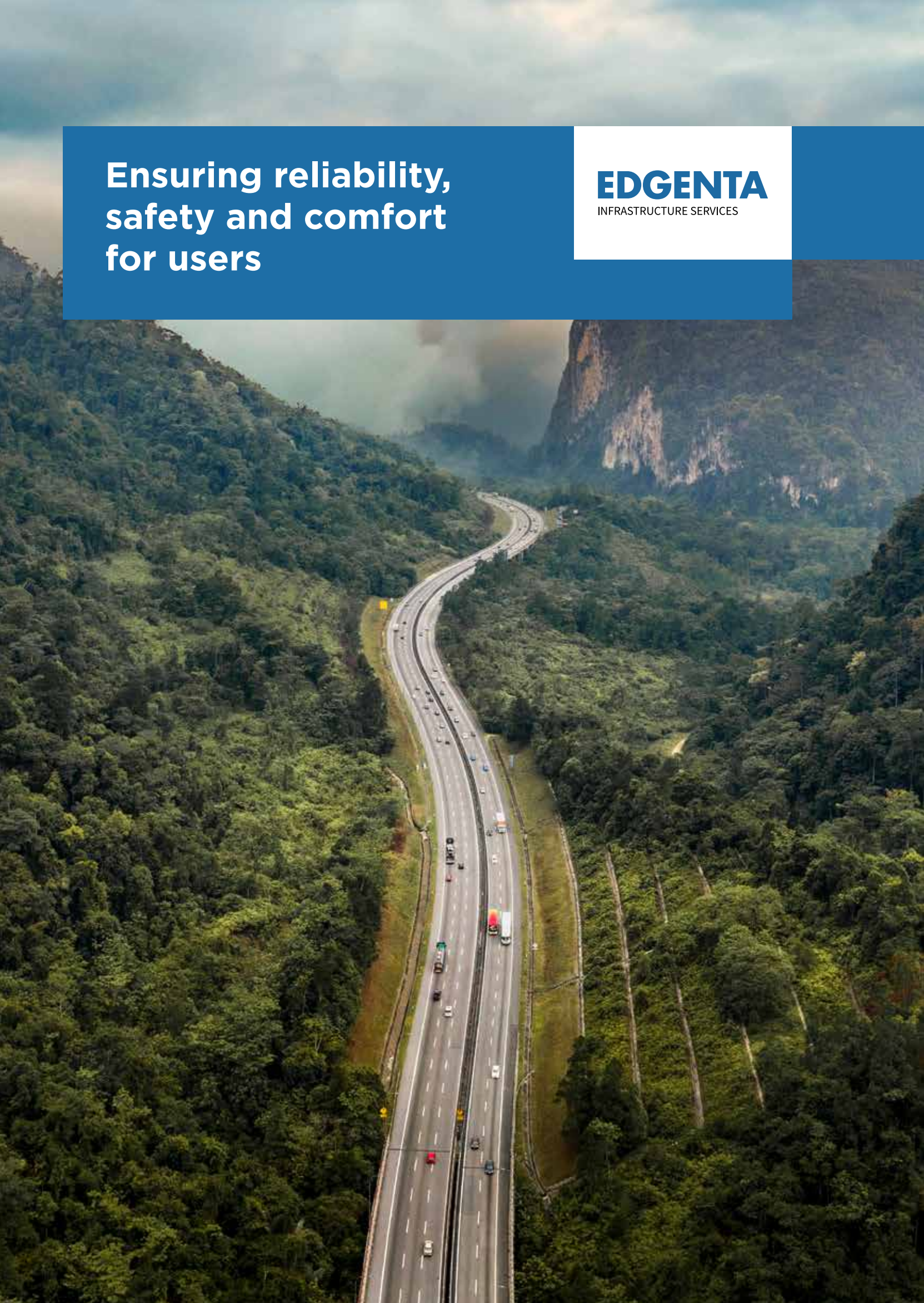


**Ensuring reliability,
safety and comfort
for users**

EDGENTA
INFRASTRUCTURE SERVICES



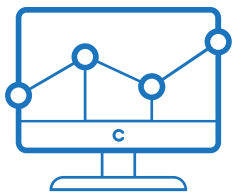
OVERVIEW OF UEM EDGENTA

UEM Edgenta is the region's leading Asset Management & Infrastructure Solutions company. We are listed on Bursa Malaysia (KLSE: EDGENTA) with a clear vision to Optimise Assets and Improve Lives. We promise the Edgenta Way of delivering quality services to our clients by going beyond standards and offering technology-based solutions as a promise of efficiency, anchored upon a mindset to ensure safety across our operations for the benefit of all our stakeholders.

Our expertise covers Healthcare Support and Property & Facility Solutions within our Asset Management segment, and Infrastructure Services, along with Asset Consultancy within Infrastructure Solutions.

We offer our clients a full suite of services throughout their asset life cycle, which includes consultancy, procurement and construction planning, operations and maintenance, as well as optimisation, rehabilitation and upgrades.

UEM Edgenta is currently present in Malaysia, Singapore, Indonesia, Taiwan, India and the United Arab Emirates.

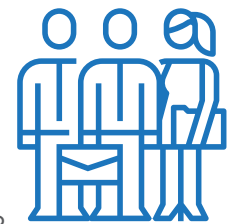


MARKET CAPITALISATION OF
**RM2.9
BILLION**
AS OF 30 SEPTEMBER 2019

LISTED ON THE
MAIN MARKET OF



**BURSA
MALAYSIA
SECURITIES BERHAD**
SINCE 2 JANUARY 1964



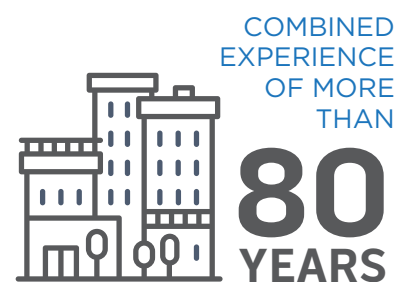
OVER
20,000
EMPLOYEES SERVING
OUR CUSTOMERS



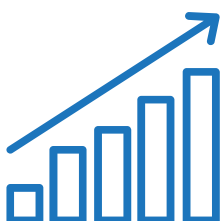
FY2018
SHAREHOLDERS' FUNDS OF
**RM1.5
BILLION**



PRESENCE IN
6 COUNTRIES



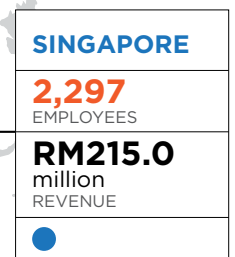
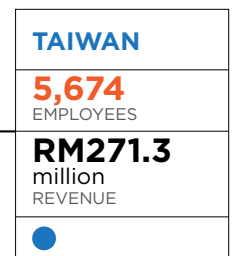
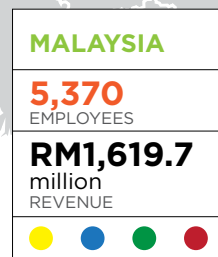
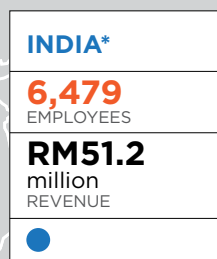
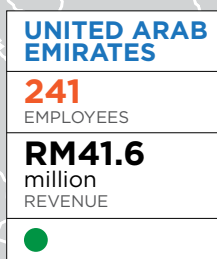
COMBINED
EXPERIENCE
OF MORE
THAN
**80
YEARS**
IN ASSET MANAGEMENT &
INFRASTRUCTURE
SOLUTIONS



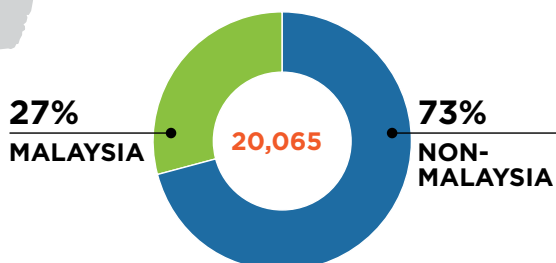
ONE OF THE REGION'S LARGEST
ASSET MANAGEMENT & INFRASTRUCTURE SOLUTIONS
ENTITIES WITH FY2018 GROUP ASSETS OF

**RM2.9
BILLION**

WE OPERATE IN 6 COUNTRIES SPANNING ACROSS ASIA AND THE UNITED ARAB EMIRATES



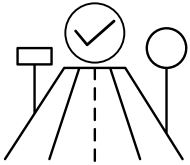
TOTAL NUMBER OF EMPLOYEES**



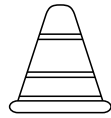
Legend	
●	Healthcare Support
●	Property & Facility Solutions
●	Infrastructure Services
●	Asset Consultancy

* Faber Sindori Management Service Private Limited (FSMSPL) is accounted as an associate of UEM Edgenta Berhad

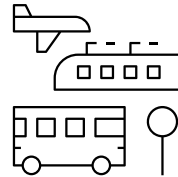
** As at 31 December 2019



More than
30 years
of experience in
highway maintenance



Track record is
evident in the
network
management and
maintenance of over
3,100 km
of expressways
in Malaysia and
Indonesia



Involved in
**Expressways, State
Roads, Airports,
Plantations, Ports & Rail**

Providing
Integrated Infrastructure
Services of
**Pavement
Rehabilitation,
Network
Maintenance,
Traffic & Safety
Management and
Utilities Relocation
Services**

THE REGION'S LEADING ASSET MANAGEMENT AND INFRASTRUCTURE SOLUTIONS COMPANY

Edgenta Infrastructure Services is one of the key subsidiaries of UEM Edgenta Berhad (KLSE: EDGENTA), the leading asset management and infrastructure solutions company in the region which offers end-to-end integrated infrastructure solutions and innovative infrastructure services to cater to our customers' diverse needs.

We have over 30 years of experience in the infrastructure industry and provide network routine and asset management for over 2,500 km of expressways and state roads across Malaysia and Indonesia.

Today, we have expanded our capabilities beyond roads, servicing multiple industries including rail, airports, ports, oil & gas, plantation roads and other commercial and industrial sectors.



SERVICE DELIVERY PLATFORM & SOLUTIONS

Command & Contact Centre

The Command & Contact Centre is UEM Edgenta's central hub for the creation and implementation of IoT applications into the realm of facilities and asset management. The Command & Contact Centre is involved in energy management, remote monitoring, controls on building automation systems, predictive maintenance and strategic management planning.

Our capabilities and offerings include:

- Online Data Collection
- Remote Monitoring
- Remote Managing
- Machine Learning
- Predictive Analysis
- Contact Centre
- Workforce Management



ROAD ASSET MANAGEMENT SYSTEM (RAMS)

RAMS, a product of our Command & Contact Centre allows us to capture, identify, plan, schedule and mobilise road works efficiently. Real time data allows us to respond and react to information as we continue to implement improved safety measures for everyone working and using the expressways.

- Inventory Register
- Condition Assessment, Inspections
- Notification of Defects
- Works Management - Routine, Periodic, Additional
- Emergency and Incidence Response
- Response Team Monitoring and Tracking
- Performance Audit
- KPI Monitoring and Reporting
- Work Scheduling
- Complaints and Feedback
- Dashboard Monitoring
- HSSE BEAKON System



SAFETY VEHICLE

The Safety Vehicle feature on the North-South Expressway in Malaysia is our effort to ensure a safer way for us to complete planned and unplanned works without endangering the lives of expressway users and of our frontline workers.

This exercise has been endorsed by the Malaysian Highway Authority (MHA) as part of traffic management to minimise the risk to our frontline workers as well as to protect road users.



SERVICES MECHANISATION

We provide innovative solutions by implementing technology via mechanisation to increase efficiency and effectiveness, resulting in a reduction of asset management cost by 15%.

The mechanised vehicles include:

- Mechanised Grass Cutter
- Mechanised Slope Grass Mower
- Mechanised Road Sweeper
- Impact Protection Vehicle (IPV)



AUTOMATED DATA COLLECTION AND ANALYSIS

We provide inventory and condition data collection via our ARRB-Multi Laser Profiler that enhances cost effectiveness.

- International Roughness Index (IRI)
- Sensor Measured Macrotexture Depth (SMTD)
- Distance Measurement
- Geometric-including Global Positioning System (GPS)
- Automated Crack Detection
- Images of pavement surface and roads furniture such as guardrails, signboards and road markings



QUALITY, SAFETY, HEALTH & ENVIRONMENT

Our quality, safety, health & environment policy goes beyond business-as-usual and regulatory requirements, best practices and benchmarks.

We utilise our resources effectively to consistently improve process efficiency and reduce quality issues. Additionally, we aim to build a culture and mindset where safety is always first.



OUR EXPERTISE

Our global team of engineers, researchers, planners and other transport specialists provide a wealth of experience in the infrastructure sectors.

In Malaysia, we are known as a leading engineering design, project & network management and infrastructure maintenance specialist.



- Network Maintenance and Asset Management Service



- Traffic Management Services



- Pavement Products and Services



- Environmental and Material Testing Services





NETWORK MAINTENANCE AND ASSET MANAGEMENT SERVICE

We ensure critical infrastructure, assets and facilities are optimised and maintained to continue functioning efficiently while extending their longevity and increasing asset value. Our aim is to provide safety and comfort for a better experience on the road.

- **Our Network Maintenance covers both Civil Routine and Mechanical & Electrical Maintenance. These include:**

- Comprehensive Pavement Services
- Culvert & Drainage System Maintenance and Repair Works
- Slope Repair Works and Rehabilitation
- Highway Accessories, Mailing Structures, and Signages Maintenance and Repair Works
- Integrated Facilities Management
- Rest & Service Areas (RSA), toll plazas, administration and supervision buildings
- Waste Collection and Food Waste Composting
- Interlocking Pavement Facilities, Pathways, Asphalt Carparks and Helipad
- Bridges Inspection and Joint Repair Works
- Road Tunnel Monitoring and Maintenance
- Landscaping Design, Implementation and Maintenance

RM8 billion

worth of assets maintained along 2,500km of expressways and state roads

Invested more than
RM10 million

in the Road Asset Management System

Maintain approximately
1 billion sqm²

of grass per year equivalent to 120,000 football fields





PAVEMENT PRODUCTS AND SERVICES

Edgenta Infrastructure Services adopts the Comprehensive Pavement Maintenance (CPM) methodology in pavement care. It involves pavement condition assessment, pavement rehabilitation, pavement testing, drainage maintenance, cleaning and traffic safety services. Our proven processes and methods combined with the use of modern equipment are the main ingredients that have earned us the reputation as the leading specialist in pavement rehabilitation works in the country.

Our pavement treatment methods include the following:

- **Conventional Paving**
 - Pavement Overlay
 - Mill and Pave
 - Surface Regulating
 - Interlocking Pavement Concrete
- **Specialised Paving**
 - Porous Asphalt
 - Micro-surfacing
 - Fuel Safe Asphalt
 - Cold-in-place-recycling (CIPR)
 - Roadbase Strengthening
 - Soft Ground Treatment
 - Anti-skid Coating for Pavement
 - Continuously Reinforced Concrete Pavement (CRCP)

10

competent in-house Pavement Teams and

46

experienced and well-equipped panel subcontractors

Lay over

400km

of roads per year

Pavement Research Centre

set-up as part of UEM Edgenta's research and development centre to innovate new pavement solutions





TRAFFIC MANAGEMENT SERVICES

Over the years, we have acquired experience in managing and controlling traffic flow along one of Malaysia's longest highways; the North-South Expressway.

Our experience, knowledge and competency has allowed us to offer our expertise for other iconic projects in Malaysia, such as the MRT, LRT and other future highways.

The types of Traffic & Safety Management services include:

- Highway Traffic Management
- Rail Construction Site Traffic Management
- Construction Site Traffic Management
- Event Traffic Management
- Traffic Management and Equipment Rental
- Road Accessories

50

accredited and highly qualified Traffic Management Officers

Manages over
1,500km

of live traffic daily for more than 2 million vehicles annually





ENVIRONMENTAL AND MATERIAL TESTING SERVICES

We provide testing services that cut across various sectors which include building, transportation, healthcare, oil & gas and water/environmental. With the expertise of a highly capable and competent team of professionals, our business approach is to provide total modular engineering, technical or construction solutions customised to suit each clients' discerning and different requirements.

Our services include:

- Geotechnical Instrumentation
- Slope Stabilisation, Repair & Rehabilitation
- Soil Investigation & Field Testing
- Soil Laboratory Testing
- Pavement Assessment And Testing Solutions
- Material Testing Solutions
- Structural & Bridge Solution
- Environmental Testing & Monitoring Solutions

6

fully equipped labs across Peninsular Malaysia, 2 of which are accredited labs for concrete, pavement and soil

Monitor and rehabilitate the

longest bridge in Malaysia



AWARDS



Occupational Safety & Health (OSH) Awards

Silver Award

Awarded by:

Malaysian Society for Occupational
Safety & Health (MSOSH)
2019



Annual Productivity & Innovation Conference &
Exposition (APIC)

5-Star Rating and Top Ten Team Award

Awarded by:

Malaysia Productivity Corporation (MPC)
2019



Mini Team Excellence (MTEEx) Convention

Silver Award

Awarded by:

Malaysia Productivity Corporation (MPC)
2019



Regional Team Excellence (RTEEx) Convention

Gold Award

Awarded by:

Malaysia Productivity Corporation (MPC)
2019



The Malaysian Construction Industry Excellence
Award ("MCIEA")

**Special Mention under the Best Project Award
(Infrastructure Project - Major)**

Awarded by:

Construction Industry Development Board (CIDB)
2015



Annual Productivity & Innovation Conference and
Exposition (APIC)

Gold Awards (3 And 2 Stars)

Awarded by:

Malaysia Productivity Corporation (MPC)
2015



Quality Assurance & Peace of Mind

WHY EDGENTA INFRASTRUCTURE SERVICES?

As Malaysia's foremost infrastructure maintenance specialist, Edgenta Infrastructure Services is one of the subsidiaries of UEM Edgenta, the leading Asset Management and Infrastructure Solutions company in the region. We provide industry-leading expertise on Network Maintenance and Asset Management and Pavement Works & Solutions Services. With a team of experienced and talented personnel, we provide optimal solutions that make us the ideal partner to shape landscapes and provide innovative solutions to address our client's needs.

Learn more about our Infrastructure Services at [umedgenta.com/infraservices](https://www.umedgenta.com/infraservices)



A member of UEM Group

Asset Management
& Infrastructure
Solutions

uemedgenta.com

UEM Edgenta Berhad 196301000166 (5067-M)

Edgenta Infrastructure Services

Level 8, Menara UEM,
Tower 1, Avenue 7,
The Horizon, Bangsar South City,
No. 8, Jalan Kerinchi,
59200 Kuala Lumpur.

Tel : +603 2725 6688

Fax : +603 2711 8167

Email : bus.dev@uemedgenta.uemnet.com

www.uemedgenta.com

EDGENTA
INFRASTRUCTURE SERVICES