

Engineering Modular Services Mechanical & Electrical Engineering



**Pioneering Sustainable Engineering Solutions
Innovative Mechanical & Electrical Engineering Services**

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Empowering Safety: Assess Today, Protect Tomorrow!

Complementing the architectural building design the Structural, OPUS Mechanical & Electrical Engineering Services is necessary to complete the building integrity and ensuring the services functions well for the buildings and infrastructure of a development. With using innovative, user friendly and energy efficient approach into the design, enable to fit our daily modern living standards. Having the sustainable mind setting, we shall aim for low carbon emission and create adaptive solution+ to the environment.

Our services encompass the following areas:

Electrical

- High Voltage Electrical Distribution System
- Low Voltage Supply
- External & Internal Lighting
- Small Power
- Generators
- Telecommunication System
- Instrumentation & Controls
- Telemetry & Supervisory Control
- CCTV, Card Access & Security System
- Lighting Protection System
- PA and Audio-Visual System
- IT Network & Infrastructure

Mechanical

- Cold & Hot Water Services
- Sanitary Plumbing Services
- Air Conditioning and Ventilation System
- Lift, Escalator and Hoist
- Fire Protection System
- LPG Gas System
- Air Pneumatic System
- Building Management System

Civil & Structural

- Structure
- Road, Drainage & Sewerage

With our dedicated team of experienced engineers, coupled with our cutting-edge hardware and state-of-the-art design software, We are committed to deliver our services to meet our Clients' objectives.

Empowering Safety: Assess Today, Protect Tomorrow!

At OPUS, we transform infrastructure through cutting-edge mechanical and electrical engineering, creating sustainable, efficient, and future-ready solutions that redefine industry standards.

Comprehensive Engineering Services

Electrical Engineering Solutions

- **High Voltage & Low Voltage Systems** Robust electrical distribution networks designed for maximum reliability and efficiency
- **Advanced Systems Integration**
 - Telecommunications
 - Security Systems (CCTV, Access Control)
 - IT Network Infrastructure
 - Lighting Protection
 - Instrumentation & Control Systems
 - Mechanical Engineering Expertise
- **Building Services**
 - Advanced HVAC Design
 - Intelligent Ventilation Systems
 - Comprehensive Plumbing Solutions
 - Building Management Systems
- **Critical Infrastructure**
 - Fire Protection Systems
 - Lift and Vertical Transportation
 - Pneumatic and Gas Systems
- **Civil & Structural Support**
 - Structural Engineering
 - Infrastructure Development
 - Road, Drainage, and Sewerage Design

Sustainable Practices for a Resilient Future

At OPUS, our cutting-edge mechanical and electrical design services are at the forefront of creating efficient, safe, and sustainable building operations. We are unwavering in our commitment to establishing a robust framework that not only prioritizes safety but also ensures that all M&E components are meticulously maintained to the highest standards throughout their lifespan.

Implementing **Building Information Modelling (BIM) process** in M&E design fortifies the design integrity and reliability, paving the way for resilient infrastructure that will serve and inspire future generations.

OPUS partners with you to identify the most cost-effective approach to assess your M&E design requirements, prioritizing safety and sustainability across all industries. Together, we pave the way for innovative and resilient infrastructure that meets the demands of today and tomorrow.

Why Choose OPUS

- Our team consists of certified professionals with extensive experience providing innovative solutions tailored to your specific needs
- We deliver integrated approach ensures that every aspect of our project is handled with care and prevision, resulting in seamless execution from concept to completion.
- We believes in fostering strong partnerships with all stakeholders, leading to better decision-making and successful outcomes



Development of Institut Penyelidikan Kesihatan Bersepadu (IPKB) at Setia Alam, Shah Alam
Mechanical & Electrical Services

Sustainable Practices for a Resilient Future

Why Choose OPUS

Proven Expertise

- **Certified Professionals:** Our team comprises industry-leading engineers with extensive technical knowledge
- **Innovative Approach:** Cutting-edge design software and forward-thinking methodologies
- **Sustainable Solutions:** Commitment to low carbon emissions and adaptive environmental design

Our Commitment

- **Integrated project management**
- **Collaborative stakeholder partnerships**
- **Precision from concept to completion**

Case Study: Institut PenyelidikanKesehatan Bersepadu (IPKB), Shah Alam

**Demonstrating Excellence in
Mechanical & Electrical
Services**

**Leveraging Building Information
Modelling (BIM) to create a
resilient, future-proof
infrastructure that sets new
standards in healthcare facility
design.**





OPUS

CONSULTANTS

AN EDGENTA COMPANY

OPUS International (M) Berhad
198601004999 (154159-T)

OPUS Consultants (M) Sdn Bhd
199601033249 (405601-M)

Head Office

Level 6, Menara UEM,
Tower 1, Avenue 7,
The Horizon, Bangsar South City,
No.8 Jalan Kerinchi,
59200 Kuala Lumpur,
Malaysia.

Tel : +603 2725 6870

Fax : +603 2711 8016

OPUS Consultants (Sarawak Regional Office)

Lot 349, 350, 351 & 352, Section 9,
Kuching Town Land District,
Jalan Rubber,
93400 Kuching, Sarawak,
Malaysia.

Tel : +6082 547 001

Fax : +6082 547 252

cs@opusbhd.com

Learn more about
OPUS Consultants at
www.edgentaopus.com

