



**ISOSYNERGY GROUP SDN BHD (1205214-P)**  
**COMPANY PROFILE**



**ISOSYNERGY  
GROUP SDN  
BHD**

# ABOUT COMPANY

Isosynergy Group Sdn. Bhd. (1205214-P) was founded in 2016 as an independent private company and Energy Service Company (ESCO) specialized in providing technical and consulting services for Engineering Sector, Construction Sector Facility Management Sector and Governmental Sector in Malaysia.

[www.isosynergy.my](http://www.isosynergy.my)

Our expertise with hands-on experience in related business domains enables us to better understand our customer's need and requirements to

- Be totally customer oriented and work together to define clear goals.
- Provide the ideal combination of theory and practical solutions.
- Collaborate with other required teams either internally or externally to achieve the client's objective, success and satisfaction
- Deliver results in a timely and cost-effective manner with the utmost attention on quality.
- Customize solutions to our customers, implement the solutions and ensure the solutions are properly integrated into the customers organization.
- Strive to deliver excellent value to our clients and work towards becoming our client's long-term business partners.

## Vision

- Providing our customers excellence with the desire to gain total customer satisfaction and confidence.
- To build reliability, trust, and friendships through honesty and integrity to ensure healthy long-term business partnership.
- We value our professionalism in delivering integrated business solution that is efficient and react rapidly to the changes of our client's requirements.

## Mission

To promote sustainable growth of the company, Isosynergy Group Sdn Bhd takes the partnership approach, where through our professional expertise in engineering, construction, and industrial sector, we guide and support our clients towards achieving their goals and ensure that our projects are mutually successful for all. The success then allows our clients to succeed their higher objectives

# OUR EXPERTISE



## **ENERGY MANAGEMENT CONSULTATION**

We have experts in conducting Detailed Energy Audit, Proposed Energy Saving Measures (ESM), Establishment of Energy Management Comity and proposing annual budgetary for ESM to clients.

## **GREEN BUILDING CERTIFICATION**

We have vast experience in certifying building which comply to Green Building Certification bodies such as Leadership in Energy and Environmental Design (LEED), Energy Management Gold Standard (EMGS) and Green Building Index (GBI).

## **ENERGY MANAGEMENT PROJECT**

Our team experience in varieties of Energy Management project planning and implementation ranges from Government & Private Hospitals, Government Buildings and Factories.

## **MECHANICAL, ELECTRICAL, CIVIL & STRUCTURE**

Our engineering services ranges from Mechanical, Electrical, to Civil and Structural disciplines will further complement and smoothen the implementation of the client's sustainability strategy.

## **DEFECT INSPECTION**

provide engineering solution and services for Defect Inspection, Asset Management and Maintenance as well as Predictive Maintenance.

# CERTIFICATION & COMPETENCIES



Isosynergy Group Sdn Bhd is an Energy Service Company (ESCO), Grade G3 CIDB (0120200309-SL044314) contractor and a registered contractor with MOF, Experienced team that holds several extensive Engineering, Safety and Health and Energy Management Competencies as follows:

- Registered Electrical Energy Manager, Suruhanjaya Tenaga.
- Certified International Project Manager, AAPM.
- Classic Assessor, Stage 3 CIDB
- MyCrest Facilitator, CIDB.
- Professional Energy Manager, AEMAS.
- Certified Energy Manager, AEMAS.
- Certified Professional in Measurement and Verification, AEMAS.
- Trained Energy Auditor, Greentech Malaysia.
- Certified Vibration Analyst, Mobius Institute.
- Certified Level 1 Infrared Thermographer, Mobius Institute.
- Safety Health Officer, DOSH.
- Indoor Air Quality Trained Personnel, DOSH.

# OUR STRATEGIC PARTNERS



Strategic Partnership with TNB Research  
in promoting Energy Management solutions

## Scope of Work:

- Becoming Energy Manager for specific building
- Becoming Energy Management Consultant for the company
- Conduct Detailed Energy Audit to recommend Energy Saving Measures (No/Low Cost or Medium/High Cost)
- To establish energy management comity:
  - a. Analyse existing energy management policy and suggest for improvement
  - b. Energy Saving Measures
  - c. Yearly planning
  - d. Standard Operation Procedures (SOP)



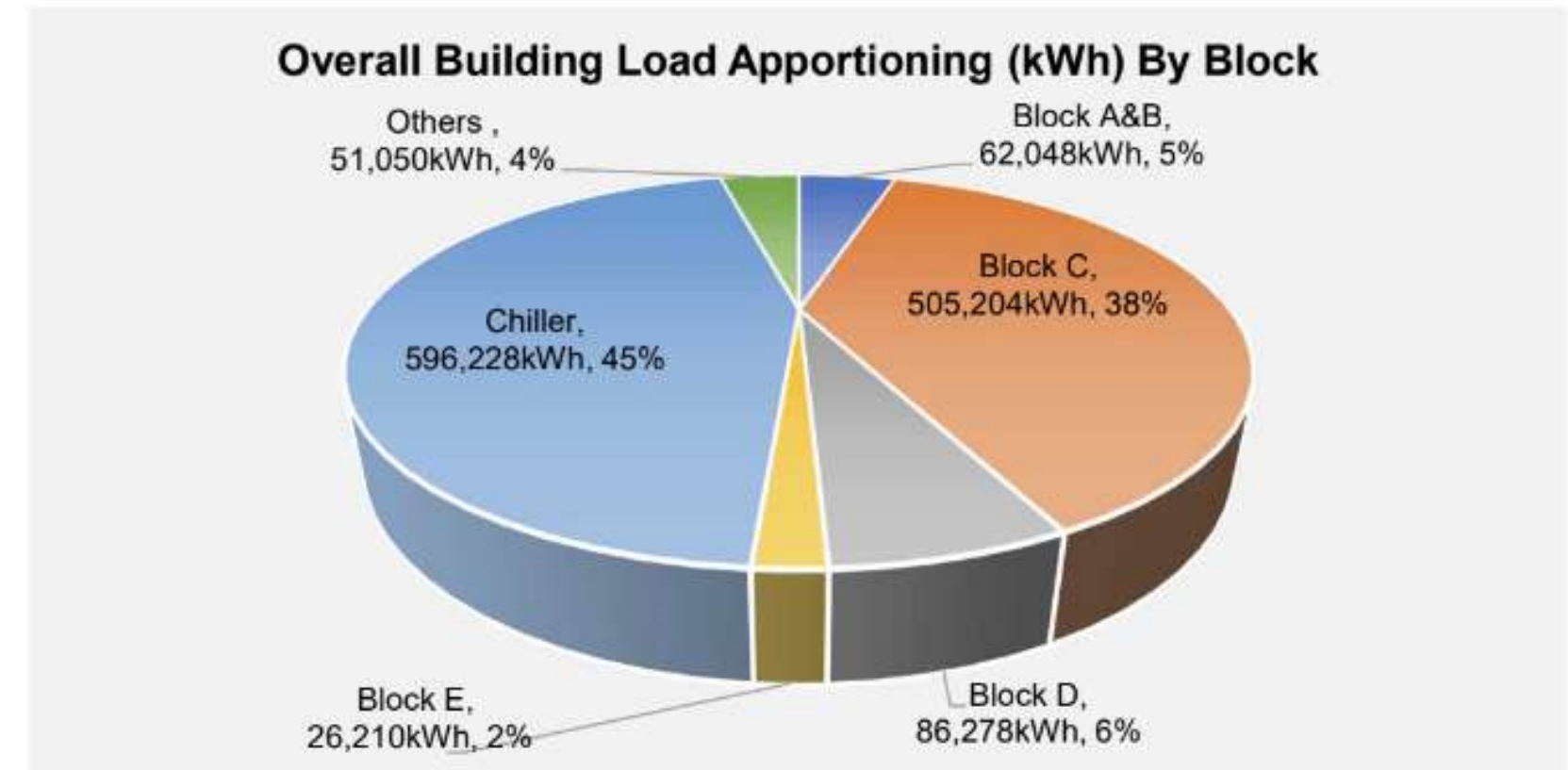
# ENERGY MANAGEMENT (EM)

ENERGY MANAGEMENT PROGRAM

Detailed Energy Audit (DEA) is part of a planned activity for Energy Management Program. The Executive Summary of Energy Audit highlights the vital information, findings on energy pattern and priority lists for implementation of beneficial Energy Saving Measures (ESM).

Energy Audit finding:

- Electricity consumption
- Daily trend usage
- Building baseload analysis



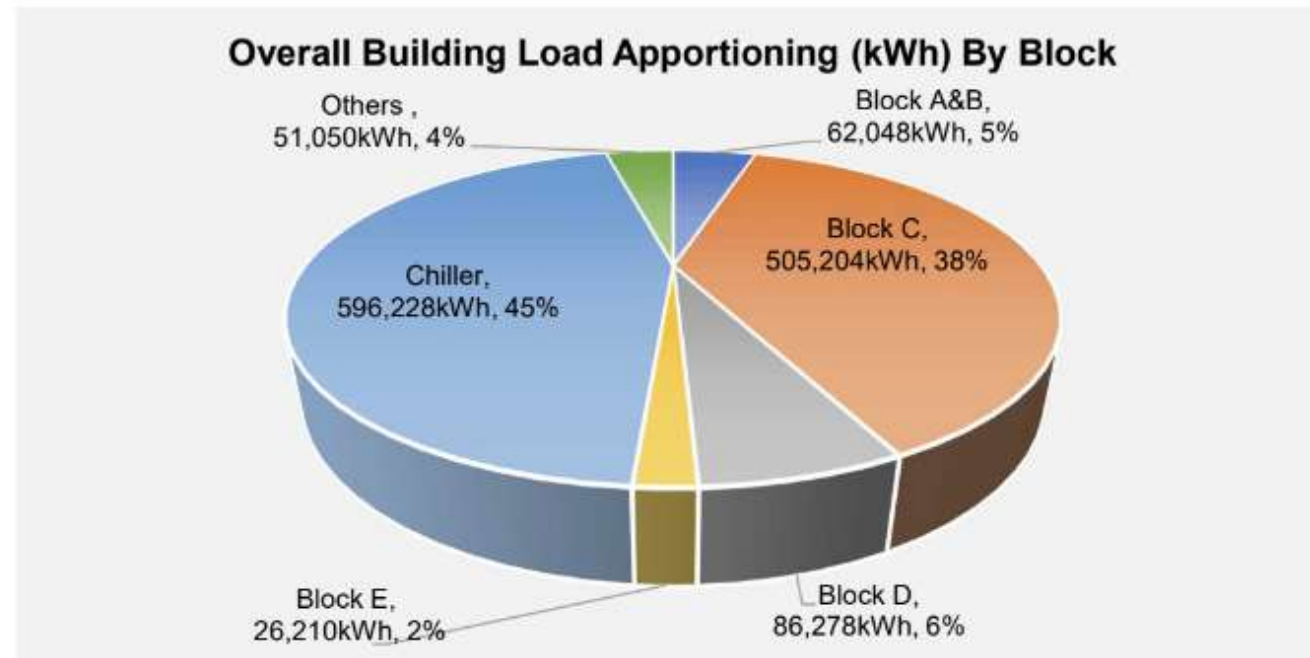
Block	kWh	Percentage
Block A & B	62,048 kWh	4.68%
Block C	505,204 kWh	38.07%
Block D	86,278 kWh	6.50%
Block E	26,210 kWh	1.98%
Chiller	596,228 kWh	44.93%
Others	51,050 kWh	3.85%
HT Incoming	1,327,018 kWh	100%



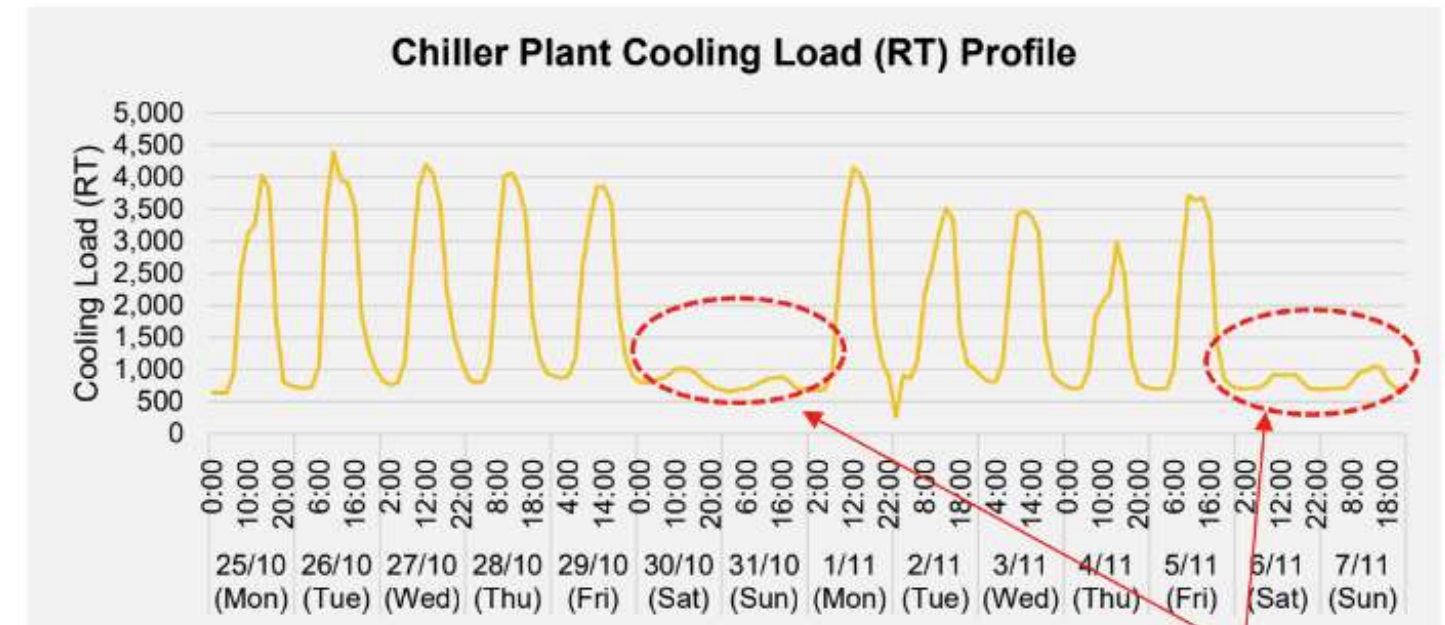
# ENERGY MANAGEMENT (EM)

## ENERGY MANAGEMENT PROGRAM

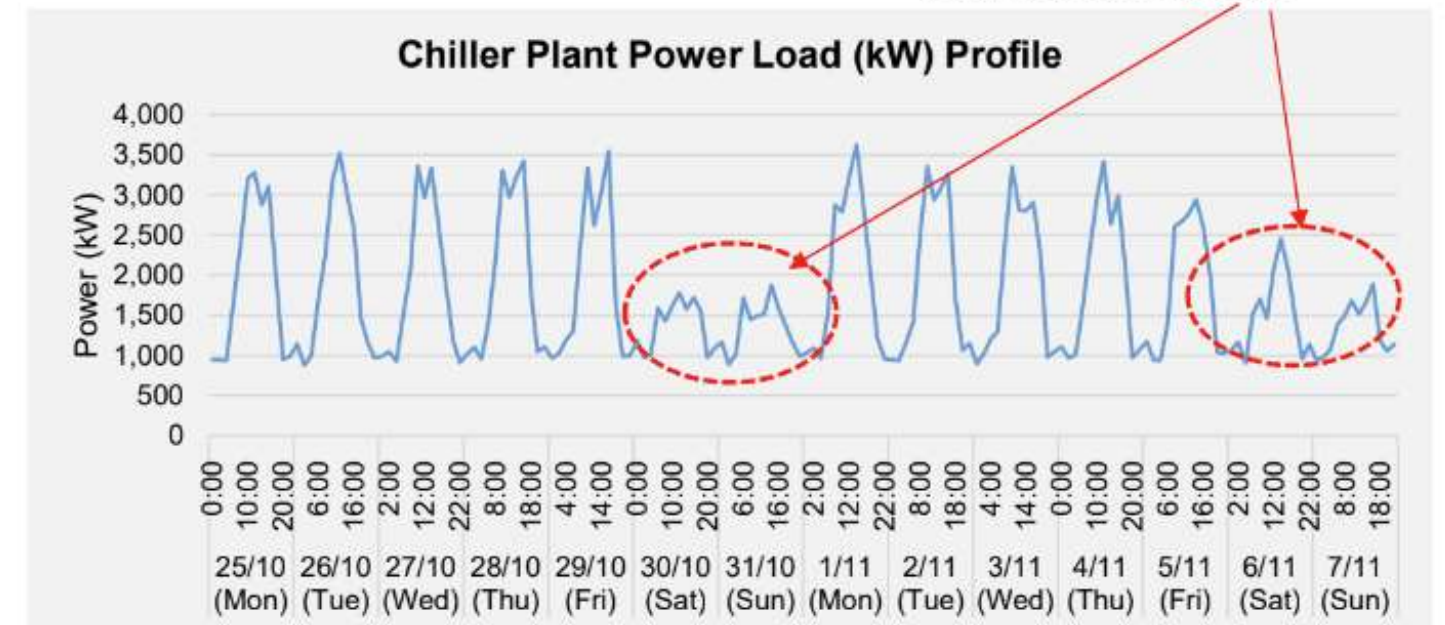
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*Miss-matching of weekend's cooling load (RT) vs power load (kW) indicates potential operational wastage*

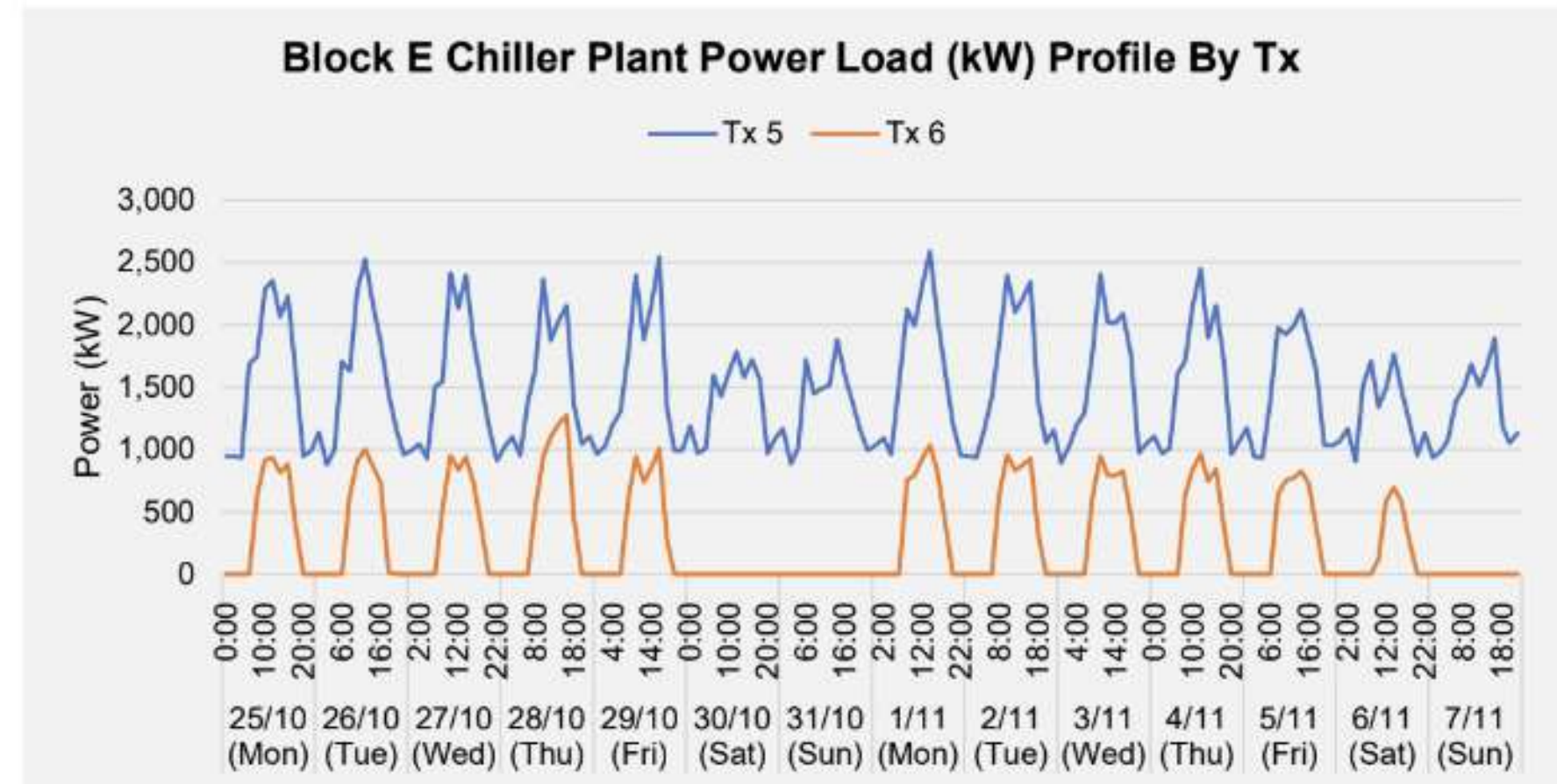


# ENERGY MANAGEMENT (EM)

ENERGY MANAGEMENT PROGRAM

## Energy Saving Measures

No	Recommendation Measures	Est. Yearly Savings, kWh	Est. Annual Savings, RM	Est. Implementation Cost, RM	Payback Period, year	Est. CO2 Reduction, tonne
No / Low Cost	1 Building Baseload Analysis ESM	606,144	135,776	0	0	420.7
	2 Chiller Weekend Operation Analysis ESM	124,416	27,869	0	0	86.3
Medium / High Cost	3 BCS Upgrading with EMS Module	636,969	142,681	500,000	3.5	442.1
	4 Solar PV System Implementation	1,572,473	573,953	3,120,000	5.4	1091.3
Total No Cost		730,560	163,645	0	0	507.0
Total No Cost + High Cost		2,940,002	880,279	3,620,000	4.1	2040.4



# ENERGY MANAGEMENT (EM)

## ENERGY MANAGEMENT PROGRAM

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MALAYSIA

CORPORATE

## UEM Edgenta saves RM23.6 mil in govt hospitals through energy efficiency efforts

Bernama / Bernama

October 18, 2019 14:49 pm +08



- Vast experience with Energy Management and Sustainability program for Kementerian Kesihatan Malaysia KKM's buildings.
- Saves RM23.6 mil in government hospitals through energy efficiency efforts within 2 years.
- Provide expertise in energy audit to identify the present energy profile of the facility and more importantly, energy conservation opportunities.

Our client's energy cost is our number one priority, and we make the fullest effort to ensure that they are using the best combination of technologies to minimize utility cost while maximising facility performance and staff well-being. Towards achieving the client's energy and cost savings target, Isosynergy Group Sdn Bhd offers our expertise in energy audit to identify the present energy profile of the facility and more importantly, energy conservation opportunities. Our energy saving services with enhanced ROI will free up vital additional resources creating an advantage in their respective business. We additionally offer our consultancy service to assist in Energy Management certification in AEMAS Energy Management Gold Standard (EMGS) certification, Green Building and LEED Certification

## ENERGY MANAGEMENT CONSULTATION

### 2022

**Project :** USGBC LEED Certification Consultancy  
**For :** Ambang Wira Sdn. Bhd.  
**Client :** Institut Kanser Negara, Kementerian  
Kesihatan Malaysia

**Project :** Consultation for AEMAS Energy  
Management Gold Standard  
(EMGS) One Star Certification  
**For :** Jangka Prestasi Sdn. Bhd.  
**Client :** Jabatan Pendaftaran Negara

**Project :** Detailed Energy Audit  
**For :** Sinar Teknik Urus Harta Sdn. Bhd.  
**Client :** Jabatan Audit Negara

### 2021

**Project :** Detailed Energy Audit  
**For :** Sinar Jernih Sdn. Bhd.  
**Client :** Kementerian Kesihatan Malaysia &  
National Institutes of Health

**Project :** EMGS One Star Certification  
Consultation Works  
**For :** KCJ Engineering Sdn. Bhd.  
**Client :** Jabatan Kerja Raya & Kementerian  
Pendidikan Malaysia

### 2020

**Project :** EMGS One Star Certification  
Consultation Works  
**For :** Solar District Cooling Sdn. Bhd.  
**Client :** Jabatan Kerja Raya & Kementerian  
Kewangan Malaysia



# ENERGY MANAGEMENT (EM)

ENERGY MANAGEMENT PROJECT

## Scope of Work:

In the pursue as a wholesome service in Energy Management, we are also have broad experience in executing projects related to Energy Management.

This will increase the success rate exponentially in transforming recommendation from the report into an actual savings enjoyed by the client.

We have wide varieties of Energy Management Project that was successfully completed under our company such as:

- Indoor Air Quality (IAQ)
- Retrofitting of LED light
- Installation of digital water meter and digital power meter
- Rainwater harvesting



## ENERGY MANAGEMENT PROJECT

### 2022

**Project** : Indoor Air Quality Monitoring Works  
**For** : Ambang Wira Sdn. Bhd.  
**Client** : Institut Kanser Negara, Kementerian  
Kesihatan Malaysia

**Project** : Rainwater & RO RW Harvesting System  
**For** : Medivest Sdn. Bhd  
**Client** : Hospital Tampin,  
Kementerian Kesihatan Malaysia

**Project** : LED Street Light Retrofit  
**For** : UEM Edgenta Sdn. Bhd.  
**Client** : Hospital Sultanah Bahiyah,  
Kementerian Kesihatan Malaysia

### 2021

**Project** : Installation of Digital Power Meter  
**For** : Medivest Sdn. Bhd.  
**Client** : Hospital Sultanah Nora Ismail,  
Kementerian Kesihatan Malaysia

### 2020

**Project** : Installation of Digital Power Meter  
**For** : Medivest Sdn. Bhd.  
**Client** : Hospital Segamat, Kementerian  
Kesihatan Malaysia

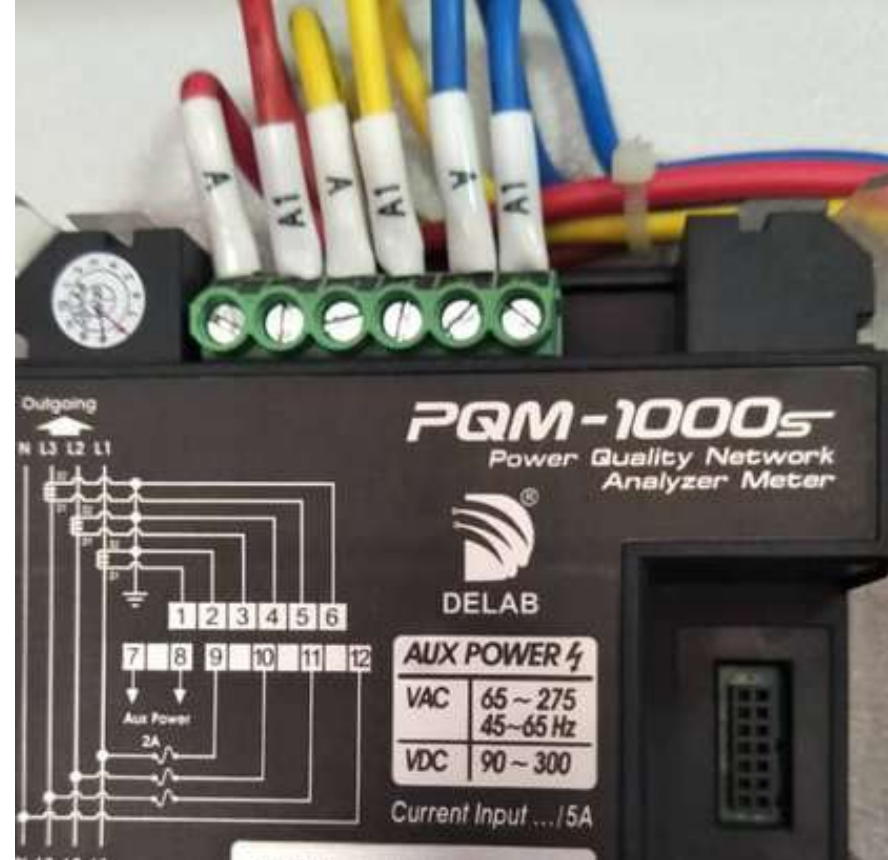
**Project** : LED Retrofitting (EPC Project)  
Item: 13,000 Unit LED Lamp  
**For** : Jangka Prestasi Sdn. Bhd.  
**Client** : Hospital Sultanah Nora Ismail,  
Kementerian Kesihatan Malaysia


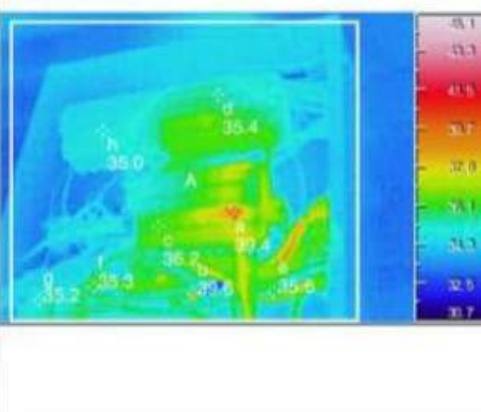
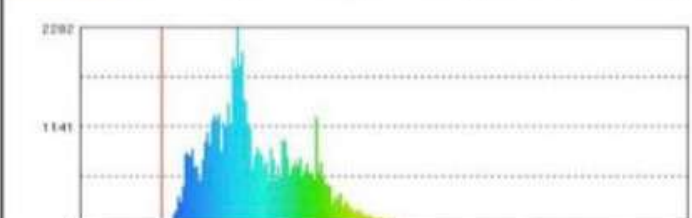
**Project** : LED Retrofitting (EPC Project)  
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**For** : Jangka Prestasi Sdn. Bhd.  
**Client** : Hospital Sultanah Nora Ismail,  
Kementerian Kesihatan Malaysia

**Project** : Installation of Digital Power Meter  
**For** : Edgenta Mediserve Sdn. Bhd.  
**Client** : Hospital Seberang Jaya,  
Kementerian Kesihatan Malaysia

**Project** : Installation of Digital Power Meter  
**For** : Edgenta Mediserve Sdn. Bhd.  
**Client** : Hospital Jasin, Kementerian  
Kesihatan Malaysia

# PROJECT GALLERY



Inspection Item	Result of Inspection																		
 <p>Visible Image</p>	 <p>Thermal Imager</p>																		
		<input type="checkbox"/> Repair required <input type="checkbox"/> Other																	
<table border="1"> <thead> <tr> <th>Point</th> <th>a</th> <th>b</th> <th>c</th> <th>d</th> <th>e</th> <th>f</th> <th>g</th> <th>h</th> </tr> </thead> <tbody> <tr> <td>Temp</td> <td>39.4°C</td> <td>39.56°C</td> <td>36.17°C</td> <td>35.42°C</td> <td>35.56°C</td> <td>35.33°C</td> <td>35.24°C</td> <td>34.97°C</td> </tr> </tbody> </table>	Point	a	b	c	d	e	f	g	h	Temp	39.4°C	39.56°C	36.17°C	35.42°C	35.56°C	35.33°C	35.24°C	34.97°C	
Point	a	b	c	d	e	f	g	h											
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## Virtual Energy Manager (VEM)

VEM's Customer-centric Software-as-a-Service (SaaS) – TNB's own in-house Energy Management Solutions that provide virtualized computing resources over the Internet to meet the future challenges of smart connected, decentralized energy infrastructure for sustainability business goals.

List of potential sectors to be offered VEM platform & services:

1. Retails
2. Office Buildings
3. Hotel & Hospitality
4. Municipalities
5. Manufacturing
6. Logistics
7. Sports & Leisure



# MECHANICAL, ELECTRICAL, CIVIL & STRUCTURE

Our engineering services ranges from Mechanical, Electrical, to Civil and Structural disciplines will further complement and smoothen the implementation of the client's sustainability strategy.

We also assist in renovations; including painting, carpentry, and clean up. Complete minor repairs such as replacing ceiling tiles, filters, light bulbs, patching vinyl, painting, repairs to pipe lines, toilets, sinks, kitchen and laundry equipment etc.



## 2022

**Project** : Rainwater Harvesting System  
**For** : Medivest Sdn. Bhd.  
**Client** : Hospital Tampin

**Project** : Office Renovation Works  
**For** : Impactive Malaysia Sdn. Bhd.

**Project** : Office Restoration Works  
**For** : CeritaNCo. Sdn. Bhd.

## 2020

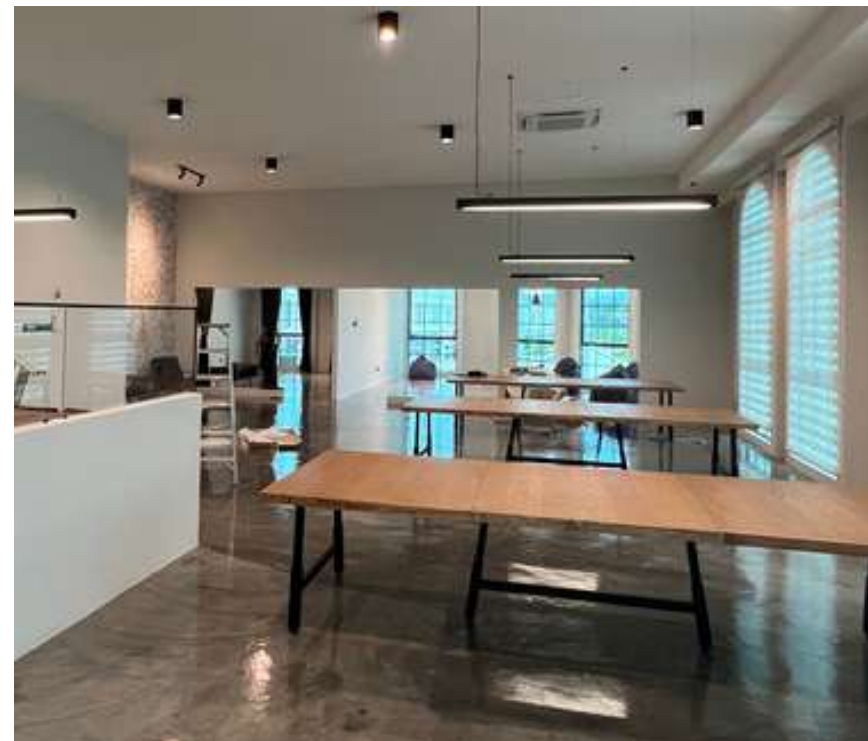
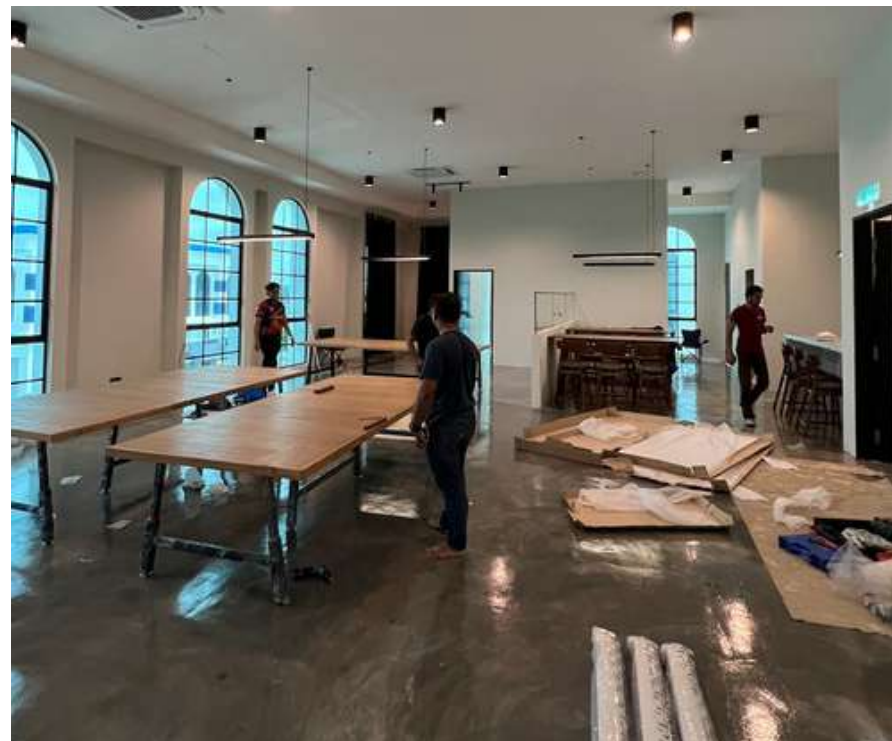
**Project** : Installation of Plinth for Solar Hot  
Water Tanks  
**For** : Solar District Cooling Sdn. Bhd.  
**Client** : Hospital Sultanah Bahiyah,  
Kementerian Kesihatan Malaysia

**Project** : Civil and Renovation work  
**For** : Jabatan Kerja Raya Sepang

## 2019 - 2020

**Project** : Various Renovation Work for houses,  
offices and restaurants

# PROJECT GALLERY



# DEFECT INSPECTION

Defect Pro is an engineering company based in Klang Valley that provide engineering solution and services for Defect Inspection, Asset Management and Maintenance as well as Predictive Maintenance. More than 5 years in Facilities Management, has provide us with vast experienced to manage in both normal and critical situations to make sure the system are well inspect, maintenance and functioning in any situations. Our qualified team of professionals are responsible to deliver the highest standard and solution aligned with the goals of our clients.

- Certified Qlassic Assessor under QLASSIC by CIDB
- Inspected more than 300 units.
- Developing an application for defect inspection collaboration with Universiti Sains Malaysia, USM.
- Representing residents in tribunal claims at Ministry of Housing and Local Goverment (Malaysia)



ISOSYNERGY  
GROUP SDN  
BHD

# PROJECT GALLERY



# ORGANIZATION CHART

**AIMAN HAKIM**

Managing Director (MD)

**Ir. Ts. NURUL HAKIMI (CIPM, REEM)**

Chief Executive Officer (CEO)

**AMAL  
ASHRAFF**

Head of Sustainability &  
Energy Solutions

**MOHD NASIR**

Chief Operating Officer

**NAJMI NAIM**

Business Development

**SHAH ALL-HAFIZ**

Project Management

**MIMI SYAHIRAH**

**ERZA IRFAN**

Business Support &  
Management

# KEY PERSONNEL

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## **AIMAN HAKIM NORDIN**

Bachelor in Mechanical Engineering, UITM Shah Alam

- Founder of Isosynergy Holdings Sdn Bhd (Business Growth & Development & Investment Holdings) & Isosynergy Group Sdn Bhd (Energy Management & Engineering)
- Founder #businessSynergy (Community Based Business Sharing Platform)
- CBD, Visio Asia Sdn Bhd (Video Production Agency)
- CBD, Plnt.co Sdn Bhd (Indoor Plant & Retail)
- CEO, NLK Group Sdn Bhd (F&B)
- Founder Defect Pro (House Defect Inspection, Certified Qlassic Assessor)
- Operation Analyst , Medivest Sdn Bhd (Engineering Company)
- Mechanical Engineer & Sustainability Engineer, UEM Edgenta Sdn Bhd
- Certified Energy Manager & Vibration Analyst



## **Ir. Ts. NURUL HAKIMI HAQUE FAZLUL HAQUE, REEM, CIPM**

Bachelor in Mechanical Engineering, UITM Shah Alam

- CEO, Isosynergy Group Sdn. Bhd.
- CTO, Isosynergy Holdings Sdn. Bhd.
- Head of Project Management , Pendinginan Megajana Sdn Bhd
- Project Manager, Petronas Digital Sdn. Bhd.
- Project Manager, Green Lagoon Technology Sdn. Bhd.
- Professional Engineer(Ir.)
- Professional Technologist (Ts.)
- Certified International Project Manager (CIPM)
- Registered Electrical Energy Manager (REEM)





# KEY PERSONNEL



## AMAL ASHRAFF MOHD ARIFIN

Bachelor in Mechanical Engineering

- Regional Energy Engineer Total IFM
- Energy Engineer, Radicare (M) Sdn Bhd
- Sustainability Program Manager, Medivest Sdn Bhd
- Assistant Operation Manager, Cenergi Sea Berhad (Subsidiary of Khazanah Berhad)
- Head of Energy Department, Semasa Services Sdn Bhd
- REEM,CEM,CPMV,MyCrest-QP



## MOHD NASIR

Bachelor in Mechanical Engineering, UKM

- Project Engineer, Faber Mediserve Sdn Bhd
- Sustainability Programme Senior Engineer, UEM Edgenta Sdn Bhd
- Certified Energy Manager
- Certified Professional in Measurement and Verification
- Energy Auditor
- Indoor Air Quality Trained Personnel UEM Edgenta Sdn Bhd



## NAJMI NAIM

Bachelor in Manufacturing (Material) Engineering



## SHAH ALL-HAFIZ

Bachelor in Manufacturing Engineering (Manufacturing Process)



## MIMI SYAHIRAH

Diploma in Teaching English as a Second Language (TESL)

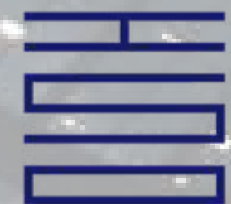


## ERZA ERFAN

Bachelor in Office Systems Management (Hons)

**ISOSYNERGY  
GROUP SDN  
BHD**

**LETS  
CONNECT  
WITH US!**



**ISOSYNERGY  
GROUP SDN. BHD.**



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Cyber 12, 63000 Cyberjaya, Selangor.**



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