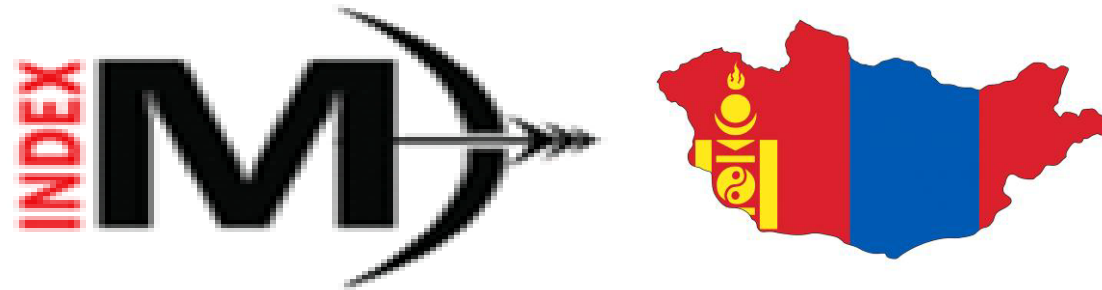


# INDEXM Engineering Services

Electrical & Mechanical Engineering Solutions

Reliable, Safe, and Innovative Engineering for Mongolia & International



Visit our website: [www.indexmservices.com](http://www.indexmservices.com)

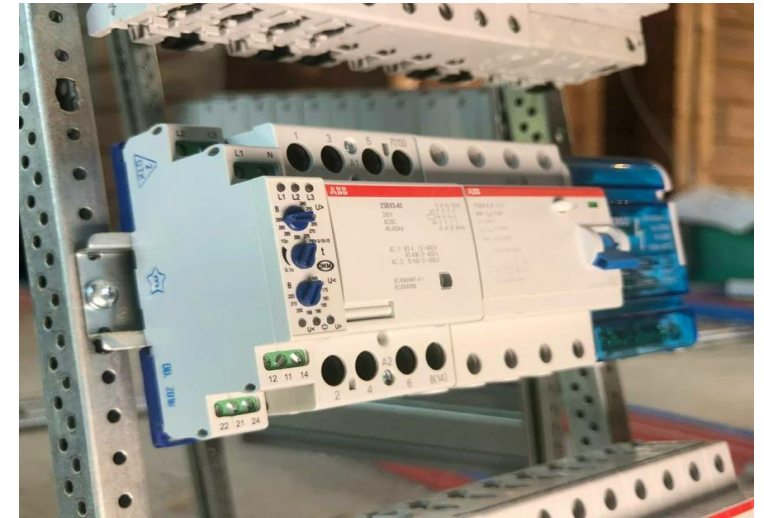


Updated 2026

# Company Profile



- INDEXM Engineering Services.
- Established: 2023
- Business Type: Electrical & Mechanical Engineering Services & Consulting.
- Markets: Mongolia & International.





## Who We Are

- INDEXM Engineering Services is an independent engineering services and consulting company.
- Supporting industrial, commercial, and residential clients.
- Delivering reliable electrical and utilities solutions.

# Goals and Objectives



Key pillars of our mission

## Quality Electrical & Mechanical Services

We prioritize excellent installations and maintenance, ensuring compliance with industry standards to deliver reliable electrical solutions for all our clients & mechanical services for industrial utilities.

## Customer Satisfaction

Our commitment is to provide transparent and professional service, ensuring timely project completion while actively seeking client feedback to continuously improve our processes.

## Strong Partnerships

We foster collaborative relationships with suppliers, contractors, and engineers, which enhances our service delivery and strengthens our capability to meet project demands effectively.

# Service Portfolio Overview



Electrical Systems

Supporting advanced automation and efficiency solutions.



Industrial Utilities

Delivering essential services for operational efficiency.



Smart Solutions

Integrated systems for modern living environments.



Technical Education

Empowering skills through hands-on training programs.

# Services



## 1. Stand-by Generators

1. Maintenance, installation and troubleshooting: We provide comprehensive service and maintenance programs to ensure the optimal performance and longevity of your generators. Our team of trained technicians offers regular inspections, preventive maintenance, and timely repairs to keep your generators in top condition. We also offer emergency repair services, available 24/7, to minimize downtime and restore power quickly.

2. Supply New Standby Generators: We can supply high quality diesel generator set which withstand the harshest operating conditions during extreme cold and hot weather.

3. Automatic Transfer Switches (ATS): Transform your power management strategy with our comprehensive standby generator packages, complete with automatic transfer switch from integration from energize engineering solutions, ensuring continuous power delivery for the building critical systems.

1.Versatility: Suitable for residential, commercial buildings and industrial plants, designed to meet your energy needs.

- A. Low noise operation: Enjoy peace and quiet while the generator keeps your electricity flowing smoothly.
- B. Top Notch Performance: Experience uninterrupted power supply with high performance generator set.

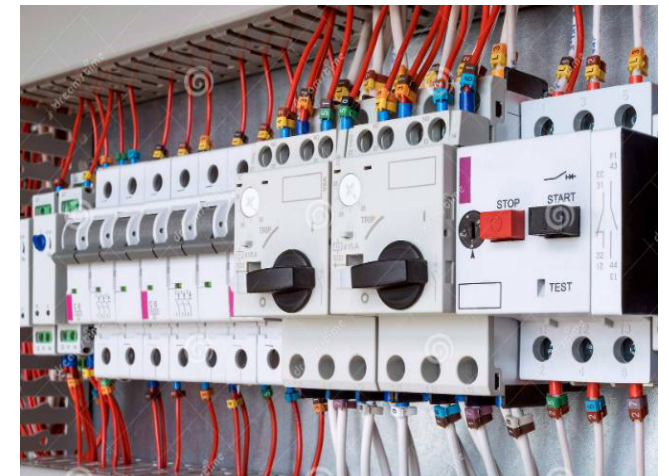


# Services



## 2. Low Voltage Panel Installation

1. Electrical Installation: From wiring and circuits to outlets and switches. Our skilled engineers ensure your plant and home electrical system is installed to the highest standards and codes.
2. Supply and Install Low Voltage power and control panels at industrial and residential buildings (380 V and 230 V), including:
  - A. Motor Control Center (MCC).
  - B. Distribution Panel.
  - C. PLC Control Panel.
  - D. Variable Frequency Drives (VFD).
  - E. Home Automation Control Panel.
3. Troubleshooting and Repairs: We understand the importance of a well-maintained electrical panel system. Our skilled engineers are equipped to identify and resolve panel-related issues efficiently. Whether it's faulty breakers, overloaded circuits, or any other electrical problem, we diagnose and repair the system promptly, minimizing downtime and ensuring uninterrupted power supply.
4. Panel Upgrades and Replacements: If your existing electrical panel is outdated or unable to handle the power demands of your property, we provide professional panel upgrades and replacements. Our technicians will assess your current setup, recommend suitable options, and install a new panel that meets your power requirements while enhancing safety and reliability.
5. Safety Inspections: Your safety is our priority. We offer thorough electrical inspections to identify potential hazards and ensure your electrical system is up to code.



# Services

## 3. Industrial Utilities: Instrument Air / Water Pumps

### Instrument Air

#### Installation, Service and Repair:

1. Service, supply and install compressors both stationary (electrical supplied) and portable (Diesel engine operated).
2. Service, repair and install ancillary equipment to improve the air quality (dryers, line filters).

### Water Pumps

#### Installation, Service and Repair

We deliver reliable water pump solutions for residential and industrial clients, including installation, maintenance and repair- ensuring efficient water management and lasting performance.



# Services



## 4. Industrial Production Machines: Cement Industry

### Supply and Install:

#### 1. Temperature Sensors (Thermocouple PT 100):

- Raw mill motor bearing.
- Conditioning tower.
- Smoke box.
- Preheater tower cyclone.
- Rotary kiln motor bearings.
- Primary and Secondary fuel.



#### 2. Level Sensors (Radar- Vibrating Fork- Capacitive- Pressure)

#### 3. Motion Sensors (Proximity Switch- Limit Switch- Infrared).

#### 4. Valves: Gate Valves, Ball Valves, Butterfly Valves.



# Services



## 5. Solar Panels

Supply, Installation, and Commissioning:

### A. Smart Hybrid Solar Panels

A combination of solar, batteries, and grid power. Hybrid systems store excess energy, provide backup during outages, and offer the highest reliability and flexibility for homes and businesses.

Recent Projects:

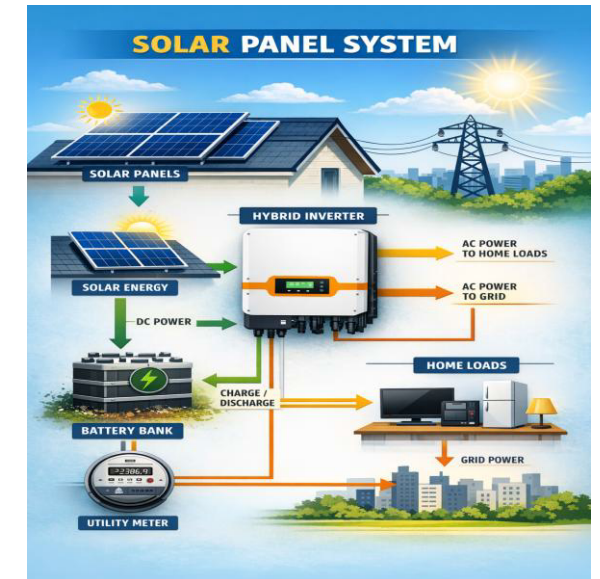
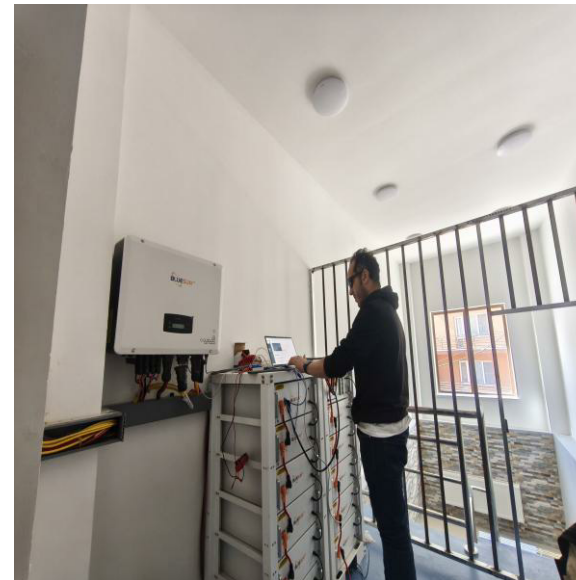
We recently completed a hybrid rooftop solar system of a 60-kW installation & commissioning on a residential building. The system integrates solar generation, battery storage, and grid connectivity through internet-based, providing both energy independence and long-term reliability. Satisfied client with a fully operational hybrid system and able to connect the PV system on smart phone application to monitor the operation.

### B. On Grid Solar Panels:

Connected to the utility grid, these systems reduce electricity costs by using solar power during the day and drawing from the grid when needed. Ideal for clients with stable grid access.

### C. Off Grid Solar Panels:

Fully independent systems powered by solar panels and batteries. Designed for remote locations or clients who want complete energy autonomy and reliable power during outages.



# Engineering Consultant Biography



Hussein Ismail

Co-founder & Engineering Consultant

Hussein Ismail

Co-founder & Head of Engineering of INDEXM Engineering Mongolia.

Hussein Ismail is a seasoned Electrical Engineer with a bachelor's degree from Helwan University, Egypt with over 10 years of industrial experience in Egypt, Middle East and Mongolia. As certified in project management (PMP, ACP) from the Project Management Institute, he is recognized for leading complex engineering projects and delivering reliable and innovative solutions..

With a strong foundation in engineering and project management, Hussein Ismail drives INDEXM Engineering mission to deliver exceptional value and technical solutions for industrial, commercial and residential clients in Mongolia and globally.

## Quality & Safety Commitment

- Compliance with engineering best practices

- Preventive maintenance mindset

- Safety-first execution

# Engineering Approach



Requirement  
Analysis

Risk & Safety  
Review

Engineering  
Design

Initial phase assessing  
project needs and  
specifications.

Identifying potential  
hazards and compliance  
measures.

Developing solutions  
tailored to project  
requirements.

# Companies Serviced

## Trusted by Leading Organizations



1. Oyu Tolgoi Mining Site.
2. Erdenet Mining Corporation.
3. GCR Mongolia.
4. International School of Ulaanbaatar ISU.
5. Amgalan Thermal Plant.
6. Public Lab Mongolia.



# Thank you

Thank you for taking the time to read about our services and solutions. We are committed to providing exceptional service, quality workmanship, and reliable results to our valued clients. Whether you require electrical installations, repairs, maintenance, or troubleshooting, our experienced team is here to meet your needs. For further information or to discuss your specific requirements, please feel free to reach out to us using the contact details below:

Website: [www.indexmservices.com](http://www.indexmservices.com)

Hussein Ismail

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Scan the QR code:

