



📍 Umnugobi, Khanbogd - Oyu Tolgoi Mine Site

Central Heating Plant (CHP) - 130MW
Operated by HASU DAYAN

Hasu Dayan

HASU DAYAN LLC was founded by Hasu Megawatt LLC, one of the oldest companies in Mongolia's energy sector, with over two decades of extensive knowledge and experience – Service provider for the Oyu Tolgoi project since 2006.

Established as a South Gobi company in Dalanzadgad, Umnugovi province, in 2022, Hasu Dayan believes that through collective commitment and synergies with our business partners, we can create sustainable manufacturing and service operations in South Gobi that will bring significant long-term values to the local and national economy, as well as to our strategic contract partners and customers operating in the region.

Founded on Hasu Megawatt's extensive knowledge and capabilities, Hasu Dayan serves its customers with a diverse, highly skilled national workforce of over 500 full-time employees.

We provide services in heating facility operation, maintenance including full range of boiler overhaul works, underground mining and modular prefabricated building construction works, mining steel components, equipment in-country manufacturing, technical services, vocational training and a variety of specialty welding and finishing services across the energy, mining, and construction sectors.

We prioritize safety and uphold a zero-harm policy in everything we do. For our customers and partners, we aim to deliver the highest quality of reliable service and products in a safe and timely manner.



Our Purpose

Export technological solutions, expertise from the camel herd's pasture to the world – Made in Mongolia.



Our Vision

Lead the acceleration of diversification and development in Umnugovi by creating products and services that incorporate new technologies, innovative ideas, and proven experiences.



Our Values

- Curious and collaborative team mindset, ownership mentality.
- A reliable partner with principled ethics.
- Experience gained through many years of participation in world class project.



Health, Safety and Environmental Policy

At Hasu Dayan LLC, we adopt the best practices in HSE Management Systems to deliver leading performance in creating injury and illness free workplace for everyone and continually improve.



Timeline .

Hasu Megawatt LLC

Established to provide services to Thermal Power Plants in UB

Started collaborating with Oyu Tolgoi project and awarded Service Provider Contract.

Completed construction project of Main Camp Expansion ahead of schedule at Oyu Tolgoi project.

Achieved Best Construction Contractor Award by Oyu Tolgoi project.

Achieved "GOBI GEM" Supplier Excellence in Health & Safety Award by Oyu Tolgoi project.

2000

2006

2007

2009

2011

2015

2015

2015

Established joint venture partnership with REDPATH MONGOLIA and formed DAYAN CONTRACT MINING DCM

Achieved "GOBI GEM" Best Supplier Grand Prix Award by Oyu Tolgoi project.

Awarded and signed strategic long term Operation service provider contract with Oyu Tolgoi project to Operate and Maintain Heating Facilities (Central Heating Plant CHP and Heating Distribution System HDS)

Opened steel Fabrication Workshop & Office Complex Facility in UB

2016

2017

2018

2020

Joint venture enterprise **DAYAN CONTRACT MINING** between **HASU MEGAWATT & REDPATH MONGOLIA** signed major Underground Development Contract with Oyu Tolgoi project.

Certified under **ISO 9001: 2015** Quality Management System, **OHSAS 18001: 2007** Occupational Health and Safety Management System.

Recognized as best private company in energy sector by Ministry of Energy Mongolia.

Received certificate of recognition from client and celebrated health and safety milestone of achieving **300 days LTI free** at Oyu Tolgoi project, Underground project construction team.

Celebrated a health and safety milestone: achieving **1,968** days and **1,286,911** man-hours LTI-free at the Oyu Tolgoi project's Heating Facilities Operation and Maintenance Team. Received a certificate of recognition from the client.

HASU MEGAWATT Celebrated its **20th Anniversary**, Marking two decades of Experience in Energy and Mining Industry.

Milestones achieved in Energy Industry: High and Medium pressure Steam Boiler Overhaul Service: +50 Boilers (Thermal Power Plants)
Installed Pipeline Volume: +150 kilometers (Up To Φ1200mm)
Installed Electricity Overhead Power Transmission Line: +330 kilometers
Operating and Maintaining Oyu Tolgoi mine site's Central Heating Plant "CHP": +14 years

Hasu Megawatt LLC

2022

Bringing its operations to **South Gobi**, Hasu Megawatt has founded **Hasu Dayan**, in Dalanzadgad, Umnugovi to contribute towards accelerating the development of the Local economy, strengthen the capability of the community we operate in and create further value for our customers in the region.

Hasu Dayan LLC

2023

2024

2025

2026

Opened fully functional office and training facility in Dalanzadgad, Umnugovi Province.

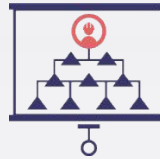
The development project for the Manufacturing, Service Workshops, and Training Facilities complex has commenced (Umnugovi Strategy) in Dalanzadgad.

At the 'Mining Open Day 2026' event in Dalanzadgad, Umnugovi, awarded as the region's '**Best Taxpayer Organization**' - highlighting the company's strong contribution to local economic growth and corporate social responsibility.

Our Capability .



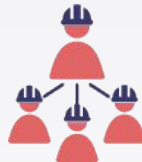
Local
Workforce - 127



Total
Employees - 500



Joint Venture - 2



Woman
Workforce - 45



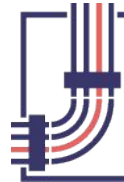
Partnership - 4

Our Experience .



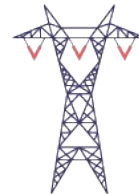
**Performed Boiler Overhaul Service in
Thermal power plant & Heating Plant – 56 ea**

- Pulverized Coal Boiler - **51 ea**
- Circulating Fluidized Bed Boiler (CFB) - **5ea**



**Installed Pipeline – 190 km
(Up to DN1200mm)**

- Steel Pipeline - **148 km**
- Plastic Pipelines - **42 km** (HDPE, PVC, PPH)

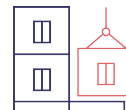


Installed Overhead Power transmission lines – 333 km

35kV- **4.4 km**
15kV- **42 km**
10kV-**252,4 km**
6kV- **0.9 km**



**Operating and Maintaining Oyu Tolgoi mine site's
Central Heating Plant “CHP”: +14 years**



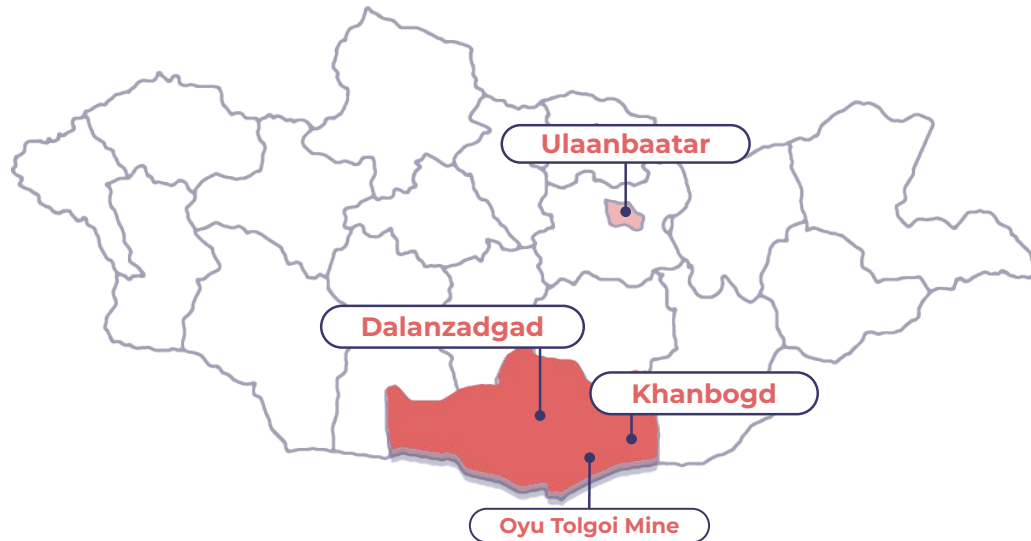
**Engineering, procurement, fabrication, and construction
(EPC) of modular prefabricated buildings — full turn-key
scope including state commissioning**

Delivered – **1,566 m²**

Open Pit Mine Control Center Office, Oyu Tolgoi Project
mine site

Fabricated in Khanbogd

Our Manufacturing Service Workshop .



Ulaanbaatar (In Operation)

3200 m2 Manufacturing / Service workshop
2300 m2 Material Laydown Yard



Dalanzadgad, Umnugobi (Under Construction)

4400 m2 Manufacturing / Service workshop
2000 m2 Material Laydown Yard



Khanbogd, Umnugobi (Phase 1 - In Operation)

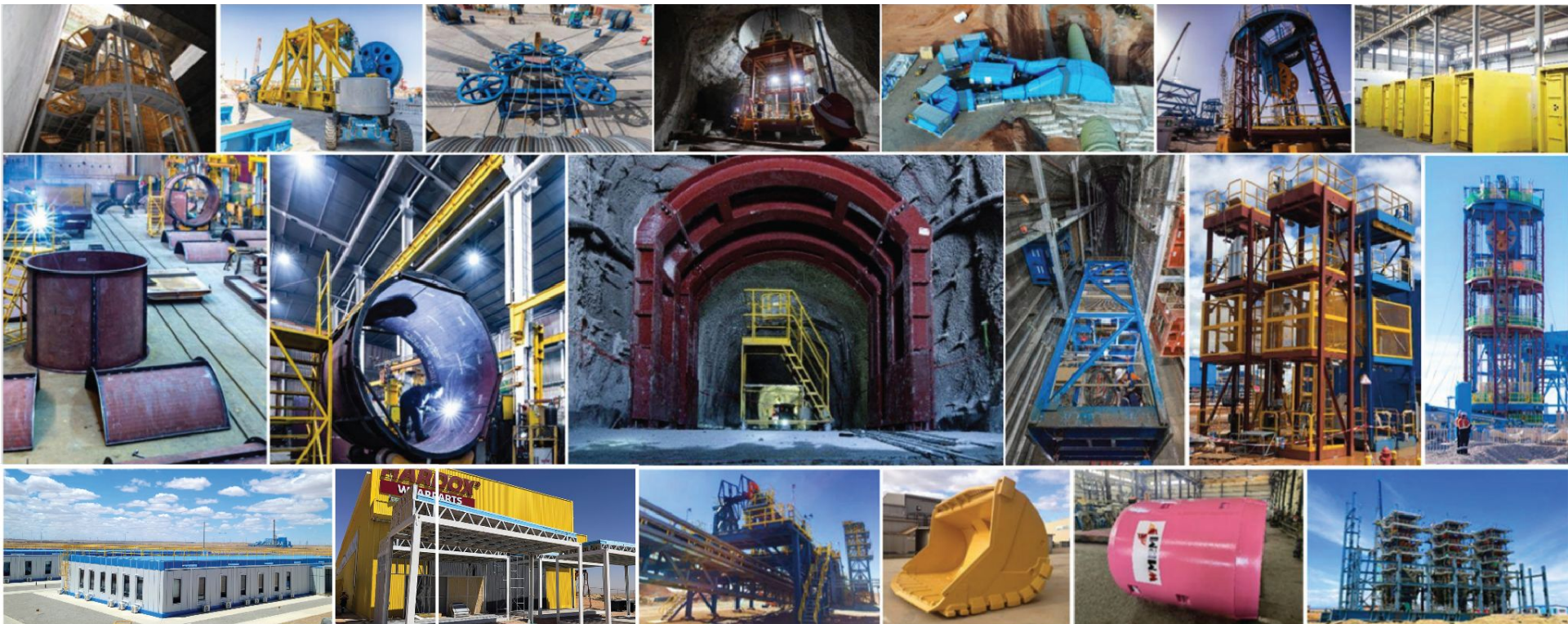
3000 m2 Manufacturing / Service workshop
3400 m2 Material Laydown Yard



Local Manufacturing Service Operation.

Through the years, working together, we have locally manufactured and supplied numerous critical steel components for the OT Underground project that have been successfully utilized for the development of the underground mine.

Building further upon our capabilities, experience – Together we continue to invest and develop our manufacturing, service and training operations in Umnugovi province, we strongly believe it has significant potential to contribute to the organic development of the local community while creating further value to our customers in the South Gobi region.





Our Operations.

Central Heating Plant (CHP) – 130MW Operation and Maintenance Services (Since 2013)



Client: Oyu Tolgoi LLC
Location: Oyu Tolgoi mine site, Umnugovi Province
Role: Contract Partner - Operation & Maintenance (O&M) Service Provider
Project Overview:

Comprehensive operation and maintenance (O&M) services for the central heating facilities at the Oyu Tolgoi mine site, including:

- Heating Plant: 130MW capacity (utilizing 4 x 29MW and 2 x 7MW CFB Boilers).
- Heating Distribution System (HDS): Management of the full distribution network.
- Maintenance Services: All underground buried water utility pipelines.

Key Achievements:

Reliability: Successfully maintaining 24/7 continuous operations.

Asset Integrity: Full-scope maintenance of all buried water pipelines, valves, and valve pits at mine site.

Long-term Performance: Following initial pre-commissioning and commissioning support (2011–2012), our onsite team has delivered over 14 years of uninterrupted O&M services without a major plant process stoppage.

Pressure Vessel, Pipeline and Relief Device Support (Ongoing Since 2018)



Client: Oyu Tolgoi LLC
Location: Oyu Tolgoi mine site, Umnugovi Province
Role: Contract Partner
Project Overview:

Specialized inspection and maintenance services to ensure the integrity and safety of high-pressure systems across the mine site.

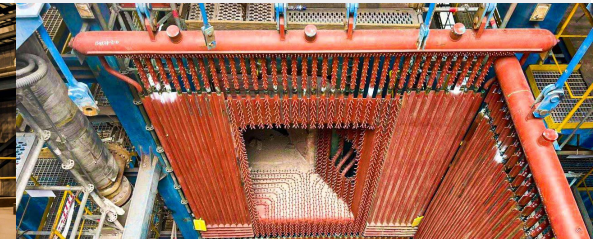
- Regulatory Inspections: Conducting scheduled inspections of pressure vessels, relief devices and pressurized piping networks.
- Maintenance & Repair: Performing critical repairs and component replacements to maintain system compliance.
- Safety Device Management: Routine calibration and testing of pressure relief devices to ensure 100% functional reliability.

Key Features:

Specialized Facility: Our onsite team operates a fully equipped, climate-controlled test bench specifically designed for the precise calibration and certification of pressure relief valves.

Compliance Standards: All work is performed in accordance with international safety codes and site-specific pressure safety management standards as well as local compliance standards.

Central Heating Plant (CHP) – 130MW Boiler Overhaul Services (2022 - 2026)



Client: Oyu Tolgoi LLC
Location: Oyu Tolgoi mine site, Umnugovi Province
Role: Contract Partner
Project Overview:

Comprehensive boiler overhaul, testing, and commissioning services including:

Completed: Full overhaul of two (2) 29MW CFB Boilers, two (2) 7MW CFB Boilers

Key Features:

Heating Surface Replacement: Managed the complete demolition and rebuild installation of all boiler heating surfaces including refractory liners.

Local Expertise: Executed complex refractory liner works utilizing a 100% national workforce demonstrating high-level domestic technical capability.

Quality Assurance: Full testing and commissioning to ensure operational efficiency post-overhaul.



Our Operations.

Ukhaa Khudag (UHG) Power Plant – 18 MW Boiler Overhaul Services (2025 – Present)



Client: MCS International LLC
Location: Tavan Tolgoi coal basin, Umnugovi Province
Role: Contractor
Project Overview:

Comprehensive boiler overhaul, testing, and commissioning services including:

- Completed: Full overhaul of one (1) 35 t/h CFB Steam Boiler.
- Ongoing: Full overhaul of one (1) 35 t/h CFB Steam Boilers.
- Planned for 2026 - 2027: Full overhaul of one (1) 35 t/h CFB Steam Boilers.

Key Features:

- Steam and Heating Surface Replacement: Managed the complete demolition and rebuild installation of all boiler heating surfaces, steam components including refractory liners.
- Local Expertise: Executed complex refractory liner works utilizing a 100% national workforce demonstrating high-level domestic technical capability.
- Quality Assurance: Full testing and commissioning to ensure operational efficiency post-overhaul.

Open Pit Mine Control Center Office (November 2025 – June 2026)



Client: Oyu Tolgoi LLC
Location: Oyu Tolgoi mine site, Umnugovi Province
Role: EPC Contractor
Project Overview:

Engineering, Procurement, Fabrication, and Construction of a New Open-Pit Mine Control Center Office Building:

Two Blocks with a 1,566 m² Total Footprint, Permanent Facility Designed for Uninterrupted Control and Dispatch Operations.

Turn-Key EPC Scope (including State commissioning)

Starting from a concept design sketch in October 2025, our project team collaborated closely with the client's team to compress the project delivery schedule.

The requirement to complete these facilities in a short timeframe challenged the team to manage the following EPC aspects concurrently:

- Designed all aspects of the building including main envelope (core & shell), utilities, and interior finishes using modular prefabricated building technology.
- Procurement of all building materials fast-tracked alongside detailed design phases.
- Fabrication of all 87 building modules at our Khanbogd Workshop closely located to the mine site, including the subsequent delivery and erection of all modules at the OT site. Fabricating the building modules near the project site contributed toward overall cost efficiency of the building as well as shorter lead time for overall project delivery.
- Construction Most of the onsite construction activities took place during winter months in extremely cold weather - demonstrated the advantage of utilizing the prefabricated modular building technology.

Key Achievements:

Prefabricated modular building method significantly reduced risks around schedule, quality, cost, and weather.

Rapid Project Delivery: The overall project was executed in seven (7) months, including state commissioning and handover.

Local Content: Fabricated and constructed in Khanbogd, Umnugobi. Collaborated with local suppliers for support services.



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