

**BUILDING
BETTER
FUTURE**



MONCEMENT
BUILDING BETTER FUTURE



Vision

BUILDING BETTER FUTURE by being the best building materials company in Mongolia with top product quality, reliable services and exemplary social responsibility.



Mission

We are dedicated to fostering service excellence by consistently elevating our product and service standards to meet international benchmarks. Through these efforts, we aim to advance the construction industry and ensure its long-term sustainability for future generations.



Values

- HONESTY & INTEGRITY
- RESPECT AND EQUALITY
- TRANSPARENCY AND ACCOUNTABILITY
- DEVIRSE & COMPETENT TEAM SPIRIT
- INNOVATIONS and CONTINUOUS DEVELOPMENT
- CARE FOR NATURE
- COMMITMENT AND VALUE CREATION

INTRODUCTION

Moncement Building Materials LLC, with investment and support from Monpolymet Group and the European Bank for Reconstruction and Development (EBRD), established a state-of-the-art dry-process cement plant in 2015 in Urgun soum, Dornogobi province, Mongolia. This integrated plant produces one million tons of high-quality cement annually, utilizing the latest innovative technologies.



This exemplary development represents a significant advancement for the building materials industry in Mongolia, promoting efficient resource utilization, optimized transport

logistics, environmentally friendly operations, and cutting-edge technologies. As a result, it stands as the first ECO plant in the country.





Monpolymet Group

The Monpolymet group (MPM) is one of the leading Mongolian mining company with a strong focus on environmental rehabilitation and community development by operating with ecologically friendly technologies in all stages of mining operations. The group has consistently been recognized as the “Most Environmentally Conscious Company” by Government of

Mongolia in the past 21 years in a row for its achievements in the size of land restoration, impact from its social responsibility programs, leading-by-example in setting mining standards and contributions to private sector development in Mongolia. The group also operates in construction, construction materials production, health and fitness sectors in Mongolia.



EBRD The European Bank for Reconstruction and Development (EBRD) is an international financial institution owned by 65 countries and committed to promoting environmentally and socially sound and sustainable development in construction materials sector and financed over 400 cement plants in every corner of the world. In line with our company's philosophies, EBRD ensures that the projects financed are socially and environmentally sustainable, respect the rights of affected workers and communities and are designed and operated in compliance with applicable regulatory requirements and good international practices.



Moncement Urgun Plant

Located in Urgun soum, Dornogobi province, the Urgun plant comprises of:

The cement plant featuring 2 production lines and Mongolia's first 5MW waste heat recovery system for power generation (WHRPG). The combined capacity is 1750 tons per day clinker and 1 million ton per year cement of high quality.

The image shows the interior of a large industrial facility, the Ulaanbaatar Plant. The structure is a massive, arched steel frame with a corrugated metal roof. The floor is covered with large piles of raw materials, including a prominent pile of yellowish-brown material on the left and a larger pile of greyish material on the right. A long, dark conveyor belt system runs across the top of the facility. The lighting is bright, with several large overhead lights illuminating the space. The overall atmosphere is industrial and modern.

Ulaanbaatar Plant

To provide faster service and to ensure smooth logistics, part of our operations is located in the center of industrial zone of Ulaanbaatar city. This facility meets international standards and operates as part of the Moncement system with the following components:

- A complete system for unloading and distributing clinker from wagons
- Two cement mills
- A 26,000-ton raw materials storage facility
- Four silos with a total storage capacity of 12,000 tons of cement
- Automated systems for loading bulk and bagged cement into trucks
- Control center and quality laboratory
- A 200 tons-per-hour crusher system for receiving and processing raw materials via rail and road

Green Technology - WHR

The **WHRPG** (Waste Heat Recovery Power Generation) system, the first of its kind in Mongolia.

Since its establishment, Moncement Building Materials LLC has been committed to implementing environmentally friendly and innovative technologies in its operations. Alongside its clinker production line, the company built and commissioned the first WHRPG system in Mongolia, utilizing waste heat to generate both electrical and thermal energy.

This system utilizes the internationally recognized Rankine Cycle technology to convert waste heat, ranging from 350°C to 450°C, released from the pre-heater and clinker cooler, into energy.



Reduces greenhouse gas emissions released into the atmosphere



Decreases energy consumption from the national power grid by 20-40%



Lowers unit production costs, yielding positive economic and environmental impacts



Improves the plant's operational efficiency



ECO Technology



Water Treatment System



An integrated water treatment system that recycles and reuses 90% of process water

Water consumption is five times lower compared to wet process technologies



Gas Analyzer System



An air monitoring system for continuous 24/7 dust emission control.

Dust emissions kept below 30 mg/Nm^3



Energy Efficiency



Uses the lowest energy per unit in Mongolia (80 kWh/ton), in line with the global cement industry benchmark of 80-100 kWh/ton.



Standards

We consistently uphold international quality standards across our products and operations. Our commitment is demonstrated through the implementation of the ISO 9001:2015 Quality Management System and the ISO 45001:2018 Occupational Health and Safety Standard in our processes. In addition to complying with the national

MNS standards of Mongolia, Moncement is the first in the country to produce products fully aligned with the requirements of the European EN standards. Our quality control, testing, and product certification processes are conducted in full compliance with these standards.



FLSmidth Technology

We utilize fully automated equipment and technology from Denmark's FLSmidth, which meets European standards. In addition, we incorporate state-of-the-art machinery and tools from leading global brands such as SIEMENS, ABB, Schneider, and Atlas Copco to ensure efficient production.



Accredited Laboratory

- The Moncement Laboratory is accredited by the National Accreditation Center of Mongolia.
- Certified to meet international standards.
- Equipped with advanced, cutting-edge technology and equipment.
- Fully automated with internationally recognized technologies.
- Integrated with an online laboratory management system.



Mineral additive
10%



Fineness
R008%<3



Specific surface area
S CM/ GP > 3200



Dust emissions
(NO_x, SO_x)
**Less than
30 mg/Nm³**



Fuel consumption
**50% lower than
the wet process**

OHS - Occupational Health and Safety

Moncement Building Materials LLC has implemented an **international occupational health and safety management system**, which is continuously refined to ensure a safe working environment.

Key Occupational Health and Safety Initiatives:



VFL (Visible Felt Leadership):

A leadership program for managers aimed at continuously reducing workplace risks through active involvement and engagement.



Toolbox Meetings:

Daily meetings held before the start of shifts to identify and mitigate potential workplace risks proactively.



RCA (Root Cause Analysis):

Regular risk assessments are conducted to reduce the likelihood of work-related injuries or disabilities. Near-miss incidents are systematically analyzed, recorded, and addressed to eliminate any underlying risks that could lead to accidents.



Safety Patrol:

All employees participate in safety patrols to share knowledge about safe operation of machinery and equipment and to identify and mitigate workplace risks. This collaborative effort promotes a culture of safety throughout the company.



Human Resources

Our company is committed to developing the personal and professional skills of our employees through tailored training programs.

- Methods and expertise from international professionals
- Special focus on promoting respect and gender equality
- Opportunities to learn from skilled, productive colleagues
- Programs supporting physical and mental well-being
- A work environment that meets health and safety standards



Personal Development

- Professional training, personal development, and skill enhancement programs
- Leadership through action
- Teamwork that promotes ethics, positive attitudes, and motivation
- Career development opportunities (*career advancement and experience-building*)
- Performance-based incentives and additional rewards
- Safe and efficient operations

MONCEMENT MOBILE APPLICATION

We have introduced the first mobile application in Mongolia's cement industry to enhance customer experience with seamless and efficient service. With the Moncement App, the client can manage orders and track deliveries in real time, ensuring fast and reliable service.



Real-time GPS Tracking:

Monitor your delivery status



Fast Order Processing:

Place orders quickly and efficiently



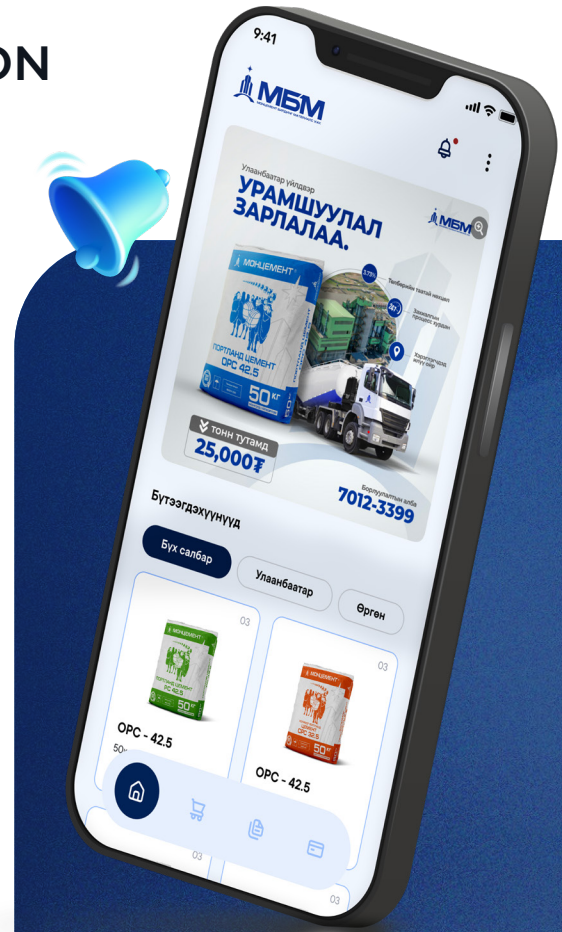
User-Friendly Interface:

Easy access for all users



24/7 Service:

Around-the-clock operation for uninterrupted service



Products



Volume Change: None



Strength after 28 Days:
47.5 MPa



Flexural Strength after
28 Days: 7.8 MPa



Water Consumption:
5 times lower than wet
method technology



Energy Consumption:
30% lower than the wet
method



OPC 42.5

OPC 42.5 is a versatile cement used in various construction projects, including buildings, roads, bridges, and concrete products.

Compressive strength class: 42.5 MPa (400 kg/cm²)



CPC 32.5

CPC 32.5 is ideal for household use, such as vacation homes, light concrete applications, interior work, and road foundations.



PC 52.5

PC 52.5 is a high-strength cement designed for precast concrete structures, prestressed elements, railway sleepers, heavy concrete, high-voltage poles, and bridges.

Compressive strength class: 52.5 MPa (600 kg/cm²)

Transport and Logistics



Located near Mongolia's national railway network, with a 3.5 km private rail spur.



Owens a fleet of **40 high-capacity hopper wagons, 50 open-top wagons, and TEM18DM series shunting locomotives.**



GPS-monitored bulk cement deliveries available 24/7 to Ulaanbaatar and regional areas.

Sales Points



Joint Projects



Tavantolgoi
-Zuunbayan Railway
2021



Olympic Bridge
2020

Water
Purification
Plant
2024





204.6 km of Darkhan-Ulaanbaatar highway



New Yarmag Bridge 2024



Delgerekh Soum Bridge

Construction project of 477km heavy duty road in Tavan Tolgoi to Hangi



Central Wastewater Treatment Plant in Ulaanbaatar 2019-2022



Zamiin-Uud Border Port Renovation 2024



Oil Refinery Project 2020-2024

Oyu Tolgoi Underground Mine Development 2018





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