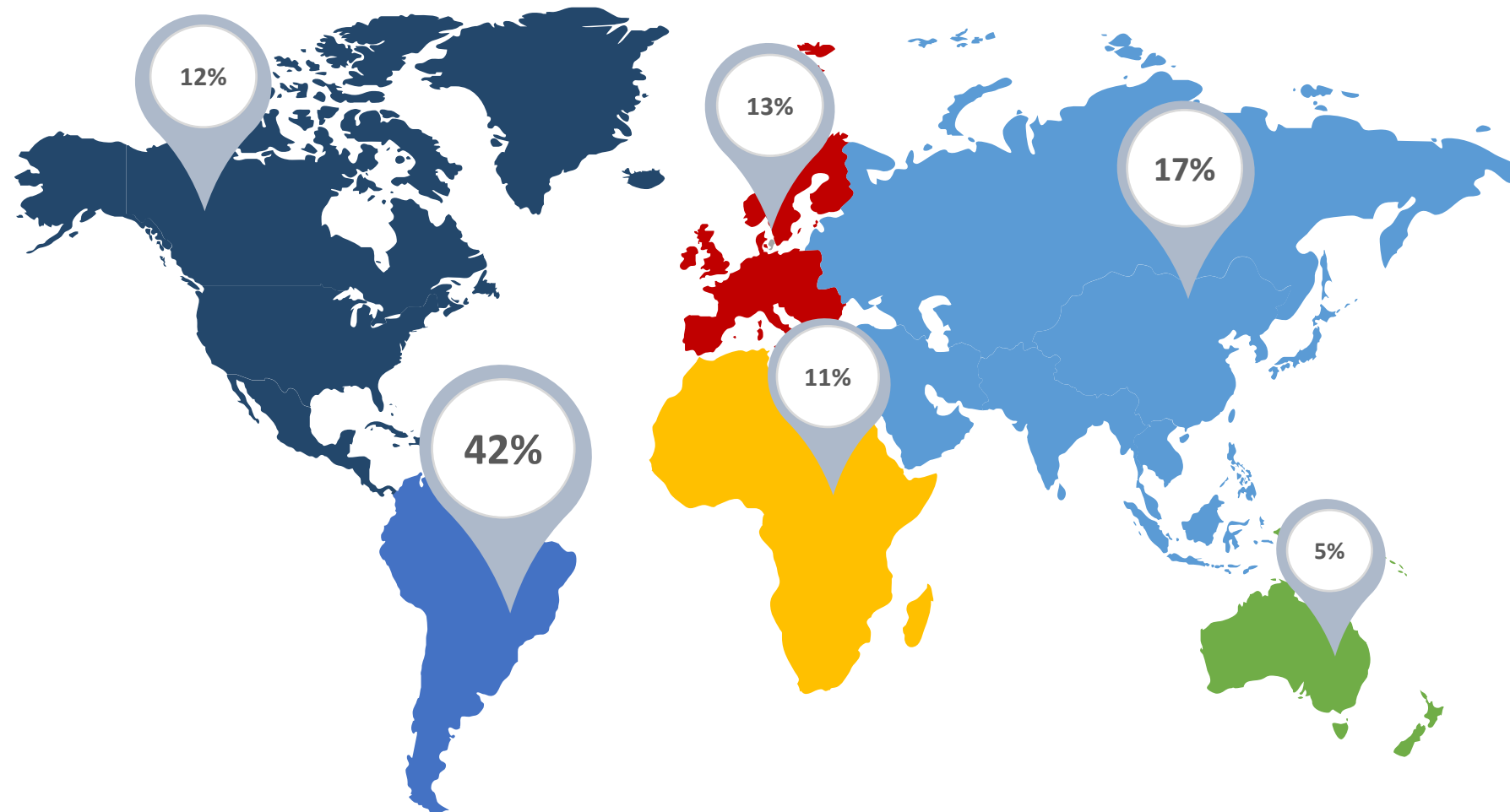




Welcome to ACHIT IKHT - Hydrometallurgical (SX-EW) Plant

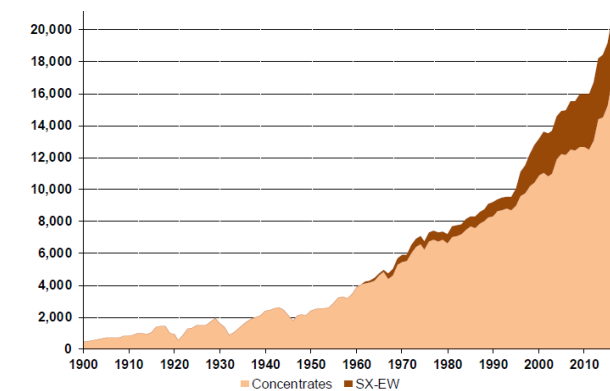
Member of the London Metal Exchange,  **LME**
An HXEX Company

COPPER PRODUCTION IN THE WORLD



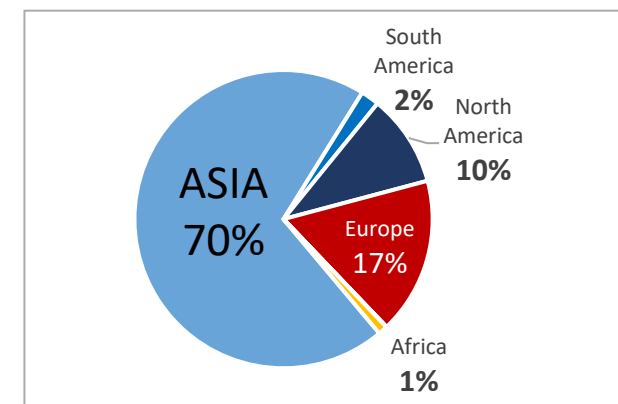
Source: ICSG 2018

World copper production



Global copper production is keep growing, and the SX-EW technology has been used since the 1960s.

Global consumption of pure copper





- **Erdenet Mining Corporation** piled the off-balance, low-grade mixed ore that was not suitable for flotation technology at the 2nd dump from 1978 to 2004.
- **Achit-Ikht LLC** entered into a cooperation agreement with Erdenet Mining Corporation in 2010 to build a plant using the off-balance ore dump number 2.
- During the construction of the plant, the feasibility study was prepared four times, and it was approved by the Minerals Professional Council of Mongolia in 2014. The derivative deposit was registered in the State Mineral Reserve Fund in 2018, and the feasibility study amendment was approved in 2019.

Project Timeline



Research and
Assessment
2006-2009



Commencement of the plant
construction
2011



★ Opening of the plant
2014



Frist Derivative License
2017



Joined the London Metal
Exchange (LME)
2019



2010

Cooperation agreement with
Erdenet Mining Corporation

2013

Loan Financing Agreement
with the
Noble Resources
International

2017

Accredited Chemical
Laboratory
MNS ISO/EC 17025:2007

2017

Stabilization Certificate

2019

Dump leaching to heap
leaching



OCCUPATIONAL SAFETY, HYGIENE AND ENVIRONMENTAL FACTORS



ENVIRONMENT

ENVIRONMENTAL CONTROL AND MONITORING

Type	Location	Frequency
Дотоод хяналт		
Groundwater	10 pits	Weekly
Pond	7 ponds	Weekly
External control (Meteorological and environmental study center of Orkhon)		
Groundwater	10 pits	Monthly
Aerial	6 points	Every 3 months
Groundwater	5 points	Biannual

DEISA and EMP

Detailed Environmental Impact Assessment is conducted by a professional organization.
Every 5 years.

Environmental Management Plan
Annual



90.9% of the environmental audits conducted by Eco National LLC in 2020.

OCCUPATIONAL SAFETY

SAFETY = SUCCESS



ХАБЭА УДИРДЛАГЫН ТОГТОЛЦОО
MNS OHSAS 18001:2012



MNS, ISO 45001:2018



2016-2017 онд ХЭМАБ-ын удирдлагын тогтолцооны стандарт, 2019 онд шинэчилсэн стандартыг хангав.

WORKPLACE

EVALUATION OF LABOR CONDITIONS

Annual, 2014-2020
Performance – 90%
More than satisfactory



Working conditions are constantly being improved.



EFFECTS ON THE ECONOMY



Financial and accounting activities are audited annually by the international audit firm KPMG.

ADDITIONAL INVESTMENT:
118 billion MNT

2015-2021



**CATHODE
COPPER**

75.1K

/thousand tons/



**TAXES AND
FEES**

247

billion MNT



RFUMR

(Royalties for the
use of mineral
resources)

19

billion MNT



“ЭРДЭНЭТ ҮЙЛДВЭР” ТӨҮГ

Erdenet Mining Corporation

16

billion MNT

Local budget

25

billion MNT

EFFECTS ON THE ECONOMY



Suppliers

1169



Domestic
procurement

325

billion MNT

According to the Anglo-American Employment Impact Survey, the activities of Achit Ikht LLC directly affects the lives of more than **40,000**, and indirectly affect more than **80,000** people.



Within the framework of Social responsibility

STEPPE ARENA - international standard indoor ice rink with capacity of 2,500 – 3,500 seating



PREFERRED SHARES - 30% per annum for 3 years



IN THE FRAMEWORK OF SOCIAL RESPONSIBILITY



Environment



Tree plantation
Sarkhia Mount,
Plant vicinity



8 types of 3,300
2016-2021



Wildlife protection
Introduction of marmots
increased to 16
2016-2020



Spring and water source protection
Khuuvur spring (2016)
Daliu spring (2018)

Education and Science



Research Conference
the first in Mongolia
“Derivative mining policy
implementation, experience and
trends”
2019

Chemistry lab room
Jargalant soum Secondary
school (2018)
“Erdmiin Urguu” complex
Secondary school (2020)
20th Secondary school (2021)

Student Scholarship Program
MUST-10 students (2018)
МГИТ - 3 students (2018-2020)

**Sponsored the XXIX
National Chemistry
Olympiad**
2019

Miscellaneous



Against the “COVID-19” pandemic



State Emergency
Commission, Orkhon
province
110 mil. MNT

Other activities within the framework of local cooperation:

2018-2021

- Furnished the reception room of the hospital
- Elders' Day; and Children's Day
- Furnished the local Library
- Sports and Arts Festival
- Park project
- Pond lining project
- Monitoring borehole project

THANK YOU FOR YOUR
ATTENTION

