Nasdaq: BETOLAR
OTCQX: BTLRF

BETOLAR

Turning Waste into Value

Mining and Metals

Application areas

- Proprietary Metal Extraction Technology
- Sidestream valorisation
- Utilization of mine tailings
- Cementless paste backfill and rockfill solutions
- CEMIII & cementless shotcrete
- Stabilisation of tailings

Circular Materials

Application areas

- Supply of cost-effective SCMs, including GGBFS, to replace cement in construction, infrastructure and mining
- Tailored development projects to turn industrial sidestreams into low-carbon SCMs and circular cement
- Geoprime® solutions for structural elements and non-structural products

Our solutions are deployed around the world by major companies:

AngloAmerican · Canadian Royalties Inc. · Metso · Norge Mineraler AS · outokumpu · Latitude66 · Nordkalk · Consolis Parma · IBF · Pruksa Holding · Jetcrete · Mandalay Resources · Group Tubobel · Alva · hycamite · Enefit

From Waste to High-Value Products

Metal Recovery

Our groundbreaking Metal Extraction Technology maximizes the recovery of critical and strategic metals including rare earths from industrial sidestreams and mine tailings. This drives environmental impact, security of supply and resource efficiency turning waste into value.

Producing Circular Cement

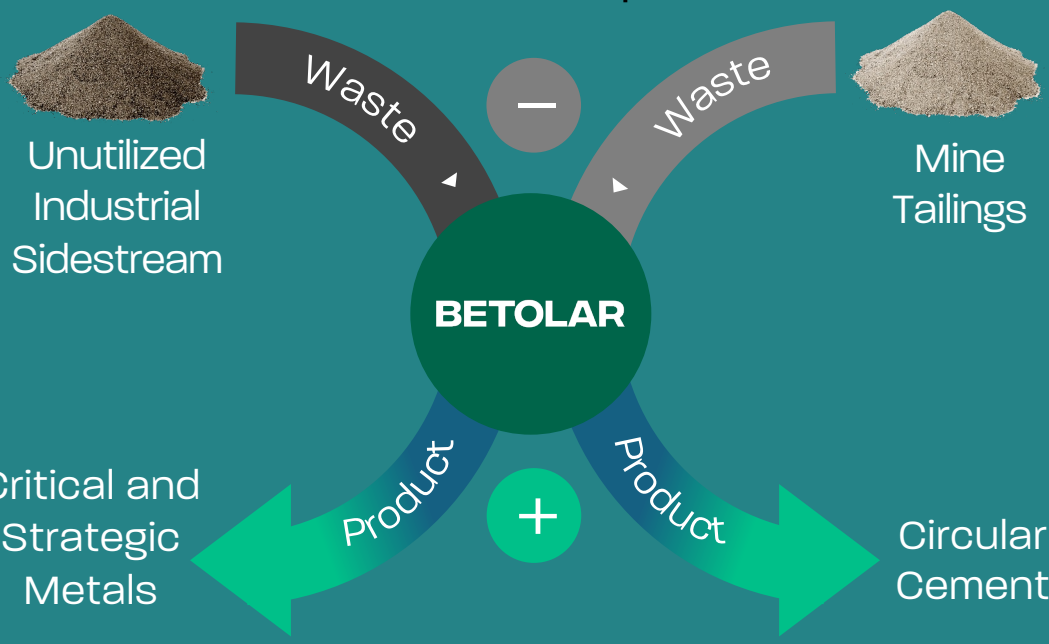
Our efforts in producing circular cement will lead the industry towards more environmentally friendly mining and construction solutions. By reducing carbon emissions and utilizing circular materials, we will set new standards for sustainable building and mining practices.

Cost-Efficient Geoprime®

We are dedicated to leading the cement-free market with our innovative Geoprime® solution. By developing cement-free and cost-efficient concrete recipes, we will make our Geoprime® more accessible and attractive to a broader range of customers.

Betolar's Proprietary Metal Extraction Technology

Main Principle



Critical & Strategic Metals

The process improves the yield of metal extraction from slag - up to 99%

Circular Cement

The residual slag is utilized as low-carbon circular cement

Zero Waste

Converting sidestreams into valuable materials with no waste left behind

How the Technology Works

Process features

- The main process will not be affected
- Very high metal recovery, 99%
- Zero waste process
- All equipment are proven technology, electric furnace and granulation
- Capex ~ 40-150 MUSD
- Payback time ~ 1-2 year
- Energy efficient at 50-150 kWh/t
- Minimal additional energy needed

Successfully tested slags

FeCr, AOD, BOF, EAF, FeMn, FeNi, TiO2

Successfully recovered metals/alloys:

Cr, Ni, Co, V, Mn, P, Ti → more metals in testing phase

Raw materials:

Industrial sidestreams, Metallurgical Slags and Mine Tailings

Contact us for more information

www.betolar.com contact@betolar.com