element

Integrity in details

Mining Element

Manufactures spare and wear parts under its own brand and offers service solutions for mining equipment across a range of brands.

Company Mission

To be an integral part of efficient production processes for mining enterprises.

Wide Range of Spare Parts and Materials

Element products are used at all stages of ore extraction, processing, and crushed stone production. The assortment includes over 160,000 items and is constantly expanding. In 2025, Mining Element produced 8.7 thousand tons of products.

Regional Representation Network in Russia and CIS Countries

We are located in proximity to our customers, which allows us to provide prompt technical support and continuously improve our products. For this purpose, Mining Element is developing a dealer network in Russia and CIS countries and working closely with them.

Why Choose Element?

Stable Sales Channel

The total volume of purchases made by Mining Element from 2022 to June 2026 amounted to $141,270,200, or 43,267 tons of products. The company ensures steady sales growth, which allows Mining Element to consistently reserve production capacities at partners' plants and ensure planned production loads. Thanks to a distributed production network and flexible logistics, the company always fulfils its commitments to customers.

Access to Large Markets

Mining Element works with customers across various industries. Since its founding in 2017, the company has achieved $198,098,000 in product sales, with an average annual growth rate of 84%. In addition to mining enterprises, the company's business interests include cement and building materials production, chemical and pulp-and-paper mills, as well as machinery manufacturing (gearbox and hydraulics manufacturers).

Quality Management

Mining Element operates within a cycle of continuous improvement of products, processes, and services, as evidenced by its ISO 9001 certification. We control quality at every stage of production: from the creation of technical documentation to the acceptance of the product. As a result, 94% of all transactions with customers are repeat orders, confirming the high quality of Element parts.

In-House Design

We independently design parts, technology, and production tooling for their manufacture. If necessary, we modernize parts by altering their geometry and selecting alloys to extend service life, facilitate installation, reduce part weight, or lower operational costs.

Warehouse Program

We develop a warehouse program based on customer consumption plans. Our four warehouses in Russia hold over 53,000 items in stock. In addition, we have consignment agreements with regular customers in locations that are convinient for them.

Products

The Element brand specializes in spare parts and consumables produced at modern manufacturing facilities. Mining Element is more than just a manufacturer; it provides comprehensive technical support, guarantees quality, and maintains stock reserves for its customers.

Crushing & Screening Equipment Parts

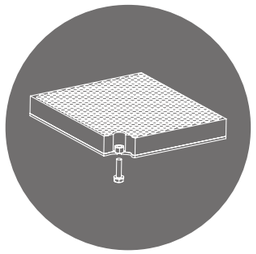
Wear and spare parts for crushers and screens with the best combination of price and quality.

The assortment includes parts for crushers from Metso, Sandvik, Terex, ThyssenKrupp, Uralmash, and Chinese brands Liming and MP Partner.

Reverse engineering and proprietary engineering solutions are used to produce parts, including for rare crusher brands.

Compatibility with equipment and operation in machine hours or tons of processed product is guaranteed.

Custom design and modernization: engineers scan and design improved versions of parts to solve customer problems.



Wear-Resistant Materials

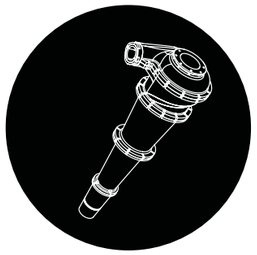
Protecting any transfer devices from three issues: sticking, abrasiveness, and impact load.

Reducing equipment wear and preparing for increased loads.

A wide range of wear-resistant elements made from steel, ceramics, synthetics, and composite materials. Material selection based on application conditions.

Finding the optimal solution and providing technical support with installation documentation.

Combined solutions using various materials to ensure even wear and extend maintenance intervals.



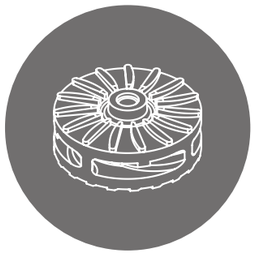
Classification and Ore Benefication Equipment Parts

Mining Element offers a comprehensive coverage for flotation machines, hydrocyclones, and gravity concentrators.

- Flotation machines: **Metso, Outotec, FLSmidth.**
- Hydrocyclones: **Cavex, KREBS, FLSmidth.**
- Gravity concentrators: **Knelson.**

This coverage amounts to 80% of the equipment in operation in Russia. Additionally, we offer:

- A wide choice of materials.
- Individual selection and design.
- Modernization and optimization to increase lifespan and facilitate installation.



Slurry Handling Solutions

Mining Element is a leader in Russia for the supply of spare and wear parts for Warman, Metso, and FLSmidth pumps.

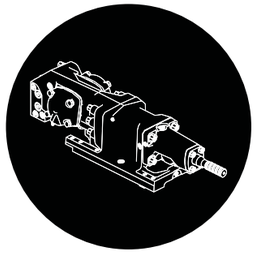
Element parts cover 95% of the nomenclature for major pump brands.

Operating costs are reduced by up to 30% for hydrotransport repairs thanks to Element's components.

A wide choice of materials for pump flow parts is available, in addition to reverse engineering, modernization, and service support.

Compatibility with equipment and performance is equal to or better than that of original pump manufacturers.

Production of pipelines is possible in various sizes.



Underground Mobile Equipment Parts

Spare parts and consumables for load-haul-dump and drilling equipment.

Prompt deliveries, adapted to current business conditions.

Individual approach in forming kits for equipment maintenance and repair.

Modernization and improvement of components and assemblies.

A wide range of OEM suppliers for Sandvik, Normet, Epiroc, and CAT machines.

Conveyor Components

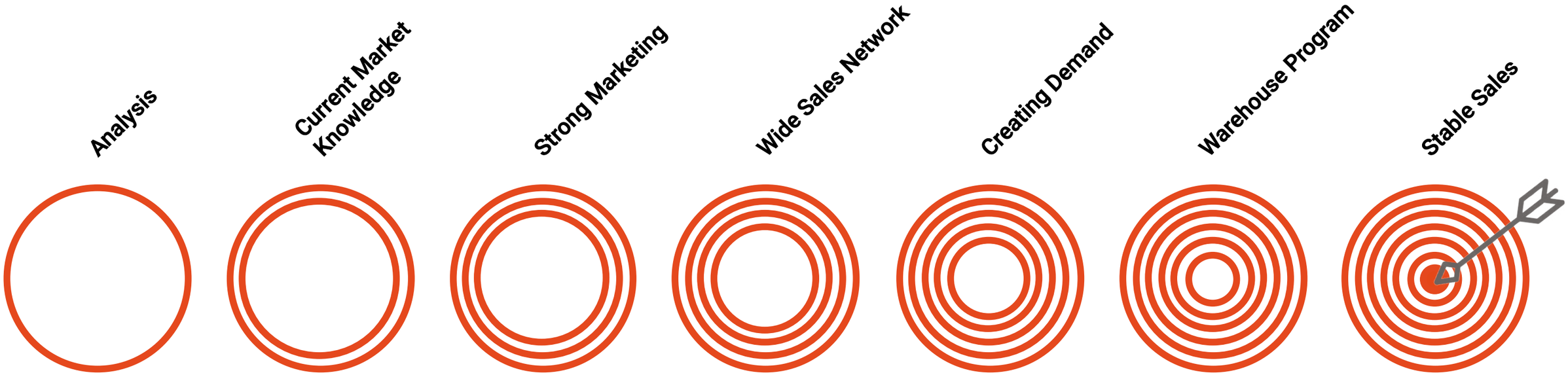
Consumables for conveyors under the most challenging operating conditions.

A wide range of rollers, drums, and various designs of receiving tables (including couplings).

Individual selection and design of critical conveyor components, including the drive.

Components for improving reliability and technical readiness. Modernization of units and components to increase conveyor productivity.

Sales System

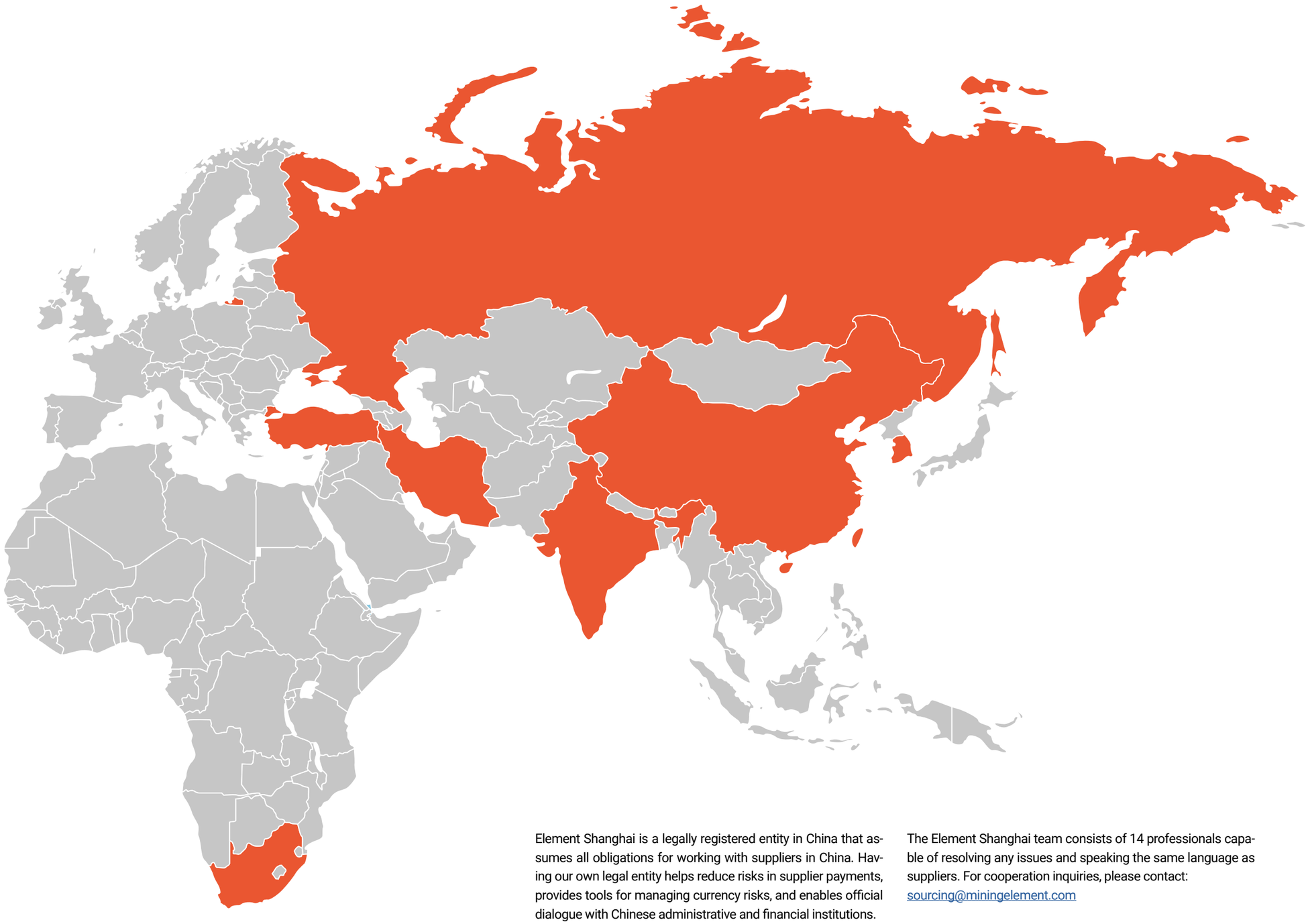


Analysis	Current Market Knowledge	Strong Marketing	Wide Sales Network	Creating Demand	Warehouse Program	Stable Sales
Analyzing current market needs	The market equipment database is regularly updated and adjusted	Organizing seminars and roundtables for clients and dealers	8 dealers covering the territories of Russia, Belarus, and Kazakhstan	Customizing products to meet the specific needs of individual production facilities	Optimizing logistics	Signing supply contracts under service agreements for 1-3 years with end customers
Assessing installed equipment and maintenance plans	Monitoring of tender platforms and market statistics	Participating in all major exhibitions and conferences in Russia	Collaborating with design institutes and service companies	Solving customer problems in the area of wear-resistant materials	A network of warehouses in Russia	94% of transactions with clients are repeat orders
Developing sales plans	Accumulating a vast database of technical documentation and cross-references, covering 90% of the equipment available on the market, including new brands	Attracting leads from search engines and optimizing search engine rankings on the website	Sales through agency schemes	Offering new products and engineering solutions	Maintaining stock levels of turnover parts	Providing a stable order portfolio for product manufacturers
		Managing thematic channels on all popular social networks	Direct representation at the production sites of major customers			

Element — The Gateway to Russia

Mutually beneficial long-term relationships with manufacturers worldwide are our priority. Mining Element has two main conditions for partnerships: adherence to high production standards and our integration into the quality control system at every stage, from raw material procurement to the packaging of finished products.

In return, Mining Element guarantees partners a stable production load, as well as assistance with design documentation and tooling preparation.



Element Shanghai

Since 2019, Mining Element has had an official representative office in Shanghai — Element Shanghai. Our team in China strengthens the purchasing, quality control, and logistics teams by performing the following functions:

- Contracting and placing orders;
- Intermediate and final quality control;
- Organizing internal logistics within China;
- Export documentation.

Element Shanghai is a legally registered entity in China that assumes all obligations for working with suppliers in China. Having our own legal entity helps reduce risks in supplier payments, provides tools for managing currency risks, and enables official dialogue with Chinese administrative and financial institutions.

The Element Shanghai team consists of 14 professionals capable of resolving any issues and speaking the same language as suppliers. For cooperation inquiries, please contact: sourcing@miningelement.com

Design Department

The engineering and design department develops optimal solutions for each customer

- Supporting the production process with all necessary documentation.
- Complying with industry standards.
- Offering proprietary technical solutions.

How Does Mining Element Engineering Work?

The primary task of the design department is the continuous improvement of the characteristics of manufactured parts based on data analysis collected during the servicing of customer equipment fleets. Strictly regulated stages ensure the task is accomplished and guarantee the reliability and effectiveness of the proposed solutions.

Stage 1

Object research; obtaining geometric characteristics; material property analysis.

Stage 2

Reverse engineering; processing scan results; mathematical processing of point cloud data.

Stage 3

Building a 3D model; comparing the model with the scanned object; preparing documentation.

Stage 4

Controlling the parameters of the finished product; preparing reports; conducting material testing.

Contacts

HEAD OFFICE

Mining Element JSC
Vvedenskiy channel, building 4
Saint-Petersburg, Russia
+7 (812) 900-85-70
sourcing@miningelement.com

BRANCH OFFICE

Element (Shanghai) Equipment Ltd.
201208, 1610 room, 515, Qifan Road, Pudong New Area,
Shanghai, China
+86 177 2130 1570
sandy.zeng@miningelement.com

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