ELITE FLUOR
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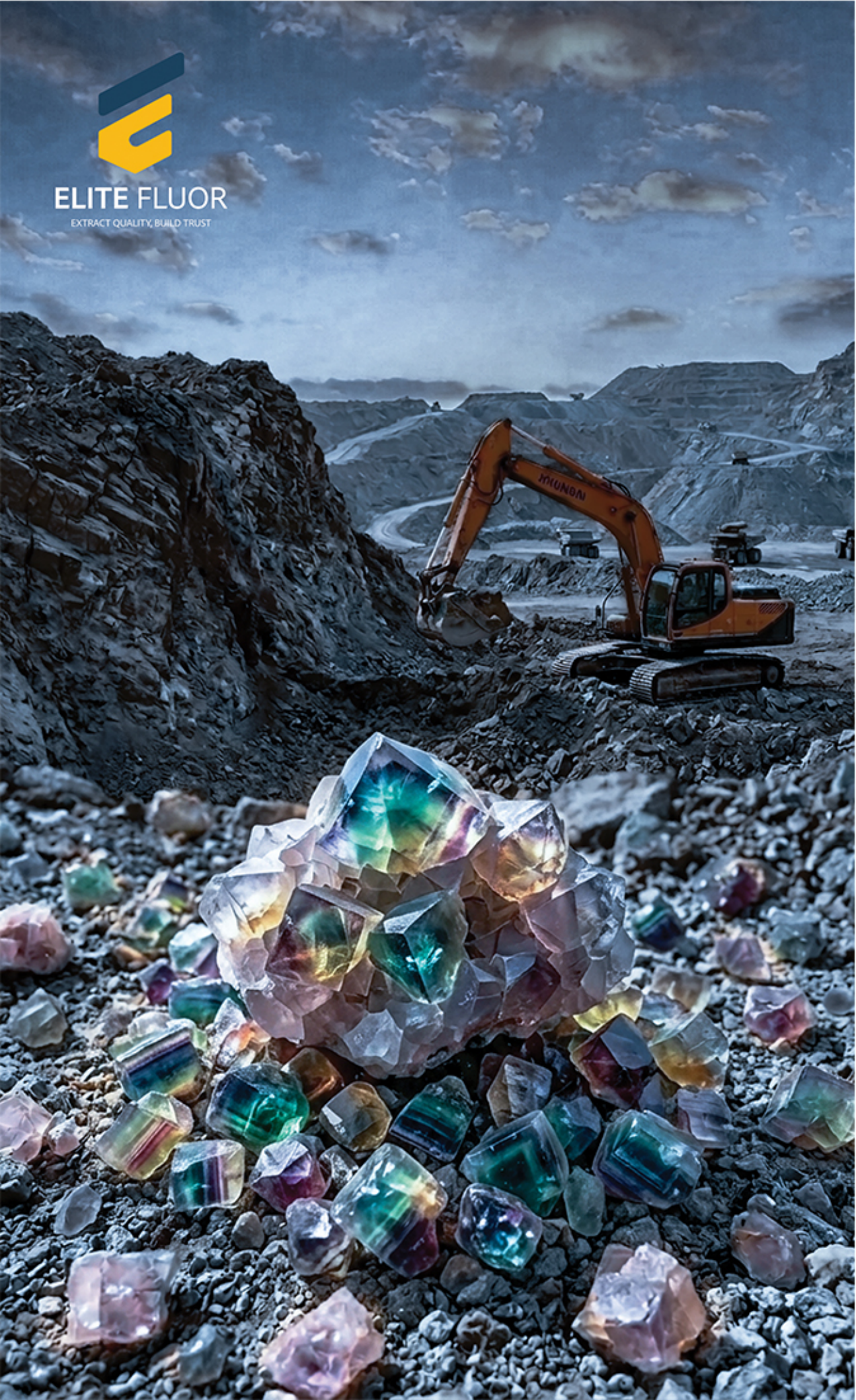
ELITE FLUOR

Mining • Processing • Supplying Fluorspar

EliteFluor – Negin Majd Khavarmiane Ltd.
Premium Fluorspar Producer & Exporter
info@elitefluor.com | www.elitefluor.com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ABOUT US

YOUR TRUSTED PARTNER IN FLUORSPAR MINING & PROCESSING

EliteFluor, a brand owned by Negin Majd Khavarmiane Co., operates under the umbrella of Negin Holding — a dynamic and diversified industrial group active across mining, construction, trade, and export. The company specializes in the extraction, processing, and supply of high-grade fluorspar (CaF_2) for industrial applications.

Backed by the extensive Kuh-e Sefid fluorspar deposit, with an initially explored reserve of around 2.5 million tons and ongoing exploration programs, EliteFluor maintains a stable and flexible supply of fluorspar ranging from 25% to 98% CaF_2, covering metallurgical, ceramic, and acid grades to meet diverse industrial requirements.
Modern extraction methods, advanced beneficiation systems, and precise quality control ensure efficiency, environmental compliance, and long-term operational stability.

As part of Negin Holding, EliteFluor benefits from integrated financial, technical, and logistical resources that enable continuous improvement, sustainable growth, and responsiveness to the global market's evolving needs.

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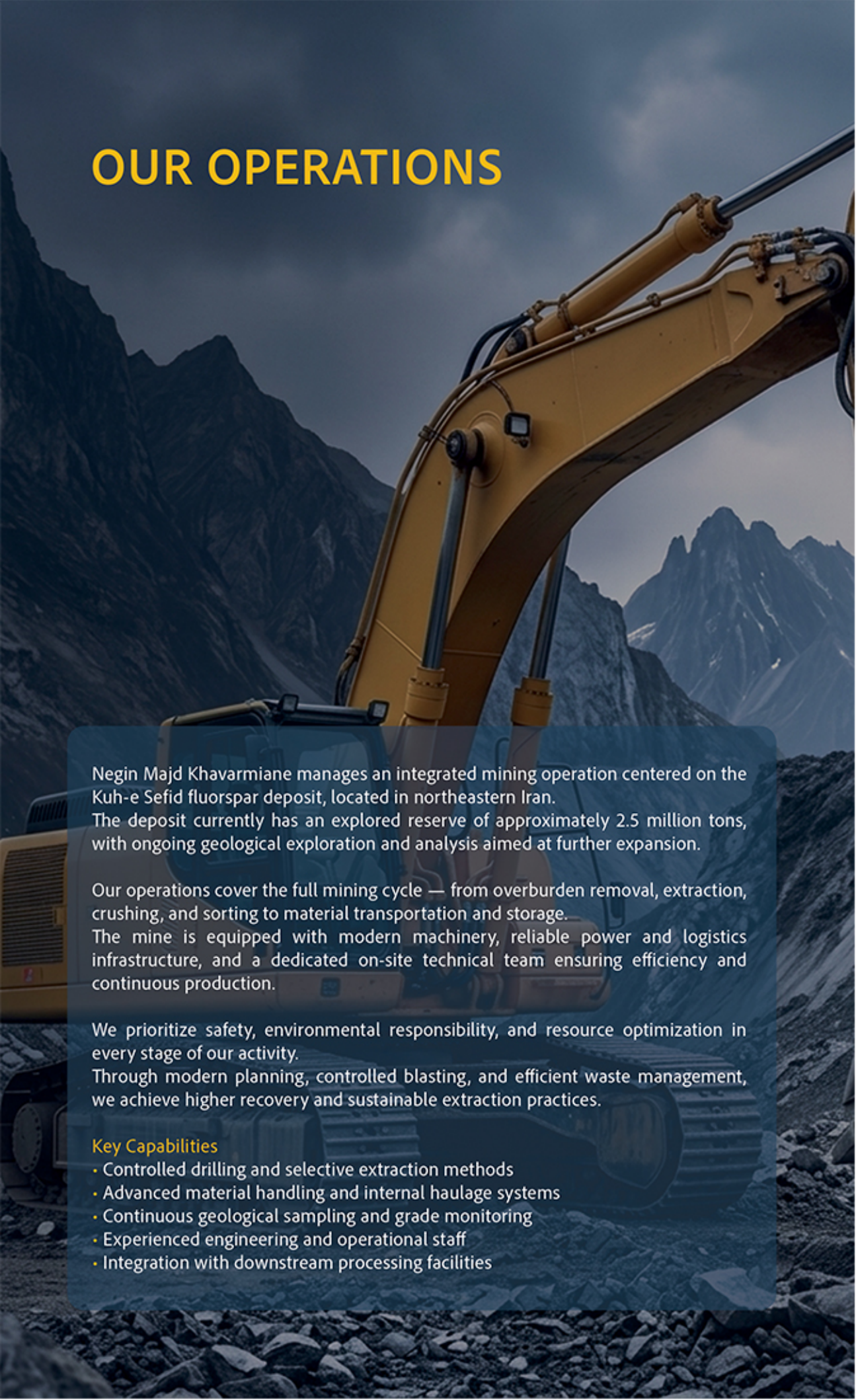
OUR OPERATIONS



Negin Majd Khavarmiane manages an integrated mining operation centered on the Kuh-e Sefid fluorspar deposit, located in northeastern Iran.
The deposit currently has an explored reserve of approximately 2.5 million tons, with ongoing geological exploration and analysis aimed at further expansion.

Our operations cover the full mining cycle — from overburden removal, extraction, crushing, and sorting to material transportation and storage.
The mine is equipped with modern machinery, reliable power and logistics infrastructure, and a dedicated on-site technical team ensuring efficiency and continuous production.

We prioritize safety, environmental responsibility, and resource optimization in every stage of our activity.
Through modern planning, controlled blasting, and efficient waste management, we achieve higher recovery and sustainable extraction practices.

Key Capabilities

- Controlled drilling and selective extraction methods
- Advanced material handling and internal haulage systems
- Continuous geological sampling and grade monitoring
- Experienced engineering and operational staff
- Integration with downstream processing facilities

Our processing facility is designed to handle a wide range of fluorspar grades — from 25% up to 98% CaF_2 — using both dry and flotation processing lines.
The plant's flexible design allows for metallurgical, ceramic, and acid-grade fluorspar production, depending on customer demand.

Each batch undergoes strict laboratory testing to ensure chemical consistency and optimal sizing.
We apply multiple stages of screening, washing, and upgrading to achieve target purity and eliminate impurities such as SiO_2 and Fe_2O_3.

Processing Stages

- Crushing and pre-sorting of raw material
- Washing and particle classification
- Flotation and chemical upgrading (for high-grade CaF_2)
- Drying and moisture control
- Final quality inspection, weighing, and packaging

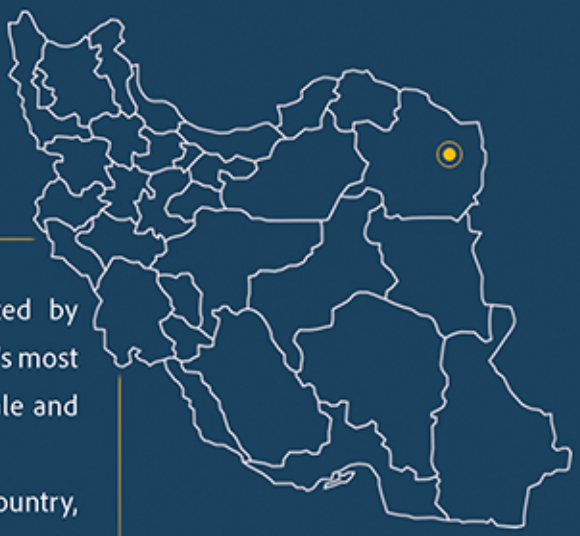
Our Quality Control (QC) unit operates a modern in-house laboratory for chemical analysis and certification (COA / QC Reports).
We provide customized particle sizes and packaging options — including Jumbo Bags (1–1.5 tons), 50 kg sacks, and bulk shipments — to meet international logistics standards.

Commitment to Quality

- Consistent purity and controlled particle size
- Certified testing and traceable production batches
- Compliance with customer specifications and global standards
- Continuous improvement through data-driven QC systems

PROCESSING & QUALITY CONTROL

KUH-E SEFID MINE
LOCATION & FEATURES



MINE OVERVIEW

The **Kuh-e Sefid** Fluorspar Mine, operated by **Negin Majd Khavarmiane Co.**, is one of Iran's most promising fluorspar deposits — both in scale and in mineral quality.

Located in the northeastern region of the country, the mine benefits from proximity to main industrial centers, rail connections, and export corridors leading to Sarakhs, Bandar Abbas, and Chabahar ports.

The deposit features consistent fluorspar mineralization, predominantly composed of CaF_2-bearing veins within limestone formations, offering a stable feed source for both metallurgical and chemical applications.

KEY CHARACTERISTICS

- **Location:** Northeast Iran (Kuh-e Sefid Region)
- **Current Proven Reserve:** ~2.5 million tons (explored and verified)
- **Ongoing Exploration:** New zones under geological and geochemical assessment
- **Ore Type:** Fluorspar-bearing carbonate (with CaF_2 content from 25% to 94%)
- **Production Mode:** Open-pit mining with selective extraction and quality-based sorting
- **Average Output Capacity:** 5,000 – 15,000 tons per month (depending on grade)
- **Infrastructure:** On-site crushing, loading facilities, and access road to the main highway

OPERATIONAL ADVANTAGES

- Short distance to EliteFluor's processing plant and central warehouse
- Stable year-round accessibility, even during winter seasons
- Qualified technical team supervising extraction, sorting, and blending
- Low overburden ratio improving extraction efficiency
- Environmental compliance through controlled blasting and dust management

STRATEGIC VALUE

The combination of high-grade ore, secure logistics, and year-round stable operations positions the Kuh-e Sefid Mine as a strategic anchor in EliteFluor's supply chain.

Its direct access to major transportation routes and proximity to processing facilities enable continuous production, precise planning, and on-time delivery—providing EliteFluor with exceptional reliability, speed, and flexibility in fulfilling export commitments.

Synergy between extraction, processing, and quality-control units, supported by consistent ore feed, has established EliteFluor as a trusted and sustainable fluorspar producer in the global market.

GEOLOGICAL FEATURES

The Kuh-e Sefid deposit consists of fluorite veins with a range of colors and grades—from white and green to violet—hosted within the region's limestone and dolomitic formations. The geological structure of the mine reveals a well-defined zoning pattern and continuous fluorite mineralization along fractures and carbonate layers, enabling accurate mine planning and reliable reserve estimation.

Geological studies, exploratory drilling, and geochemical analyses indicate that the deposit is a shallow hydrothermal system with favorable lateral and vertical continuity, supporting sustained extraction and consistent ore quality for processing and export.

OUR PRODUCTS

Elite Fluor produces a comprehensive portfolio of fluorspar grades designed to meet the diverse requirements of global industries.
All products are processed under a rigorous quality control system to ensure consistent CaF_2 content, uniform particle sizing, and reliable performance in industrial applications.
In addition, the wide range of grades and the possibility of product customization enable Elite Fluor to address highly specific technical needs—from producers of fluorinated acids to steel, glass, and ceramic manufacturers who rely on stable and dependable raw materials.
Technical and laboratory support is available throughout the supply and production stages, helping customers achieve the best possible match between product specifications and their process conditions.

Available Grades

Acid Grade: 97% CaF_2 – used in hydrofluoric acid and chemical manufacturing
Ceramic Grade: 90–97% CaF_2 – used in glass, ceramics, and enamel production
Metallurgical Grade: 65–90% CaF_2 – used as a flux in steelmaking and foundry operations
Low Grade Feed: 25–60% CaF_2 – suitable for blending or beneficiation feedstock

Custom Fluorspar Blend: Designed and produced according to specific industrial requirements available in customized grades and mesh sizes to match each client's process needs.
Production and supply of products in briquettes form are also available based on customer requirements.

Particle Size Range

EliteFluor fluorspar products are available in a wide range of particle sizes to meet the requirements of different industries. Customized sizing can also be produced according to customer specifications.

Sizing Options

- Mesh 150–300 (Powder)
- 0–10 mm (Fine Granular)
- 10–60 mm (Standard Lump)
- 0–250 mm (Mixed Run of Mine, containing fines)
- 10–250 mm (Clean Lumps, free of fines)
- Custom mesh sizes available upon request.

VARIETY IN SUPPLY FORMS

Tailored fluorite for your process

Suitable for chemical processes, HF production, electrode coating, and applications requiring uniform distribution in blends.

Powder

A balanced option for direct furnace charging, offering better control of consumption and dissolution during melting.

Fine Lumps

Ideal for high-temperature furnaces and processes that require gradual melting and improved slag stability.

Coarse Lumps

Designed for consistent, uniform furnace charging, with reliable composition and strength under operating conditions.

Briquettes

Packaging & Delivery

To preserve the quality of fluorspar throughout all stages of transportation and to accurately meet the requirements of both domestic and international customers, EliteFluor has designed its packaging and delivery system in accordance with industrial standards.

Products are prepared in various packaging formats based on the intended application, grade sensitivity, and order volume. Flexible delivery arrangements can also be provided in accordance with customer requirements.

Jumbo Bags: 1–1.5 tons (UV-protected, moisture-resistant)

50 kg moisture-proof bags for more sensitive products

Bulk shipments: for high-volume clients

Flexible delivery terms: FOB / CFR / EXW / ....

Every shipment is accompanied by a Certificate of Analysis (COA) confirming chemical composition and moisture content.

Key Applications in Metallurgical Industries

A Strategic Mineral for Global Industries

As a strategic fluxing agent, fluorspar is widely used in metallurgical processes to improve slag behavior, lower melting temperature, and enhance furnace efficiency.

Steelmaking & Foundry
Used as a flux to reduce the melting point of raw materials and help remove impurities during metal melting.

Ferroalloy Industry
Fluorspar helps regulate slag composition, improve metallurgical reactions inside the furnace, and increase smelting efficiency.

Aluminum Industry
In certain aluminum metallurgical processes, fluorspar is used to improve slag behavior and control impurities.

Cement Industry
Used as a flux in cement rotary kilns, fluorspar facilitates clinker phase formation and contributes to better energy efficiency.

With consistent purity and reliable furnace performance, EliteFluor fluorspar improves slag fluidity, facilitates impurity removal, and enhances the thermal efficiency of metallurgical processes. As a result, final product quality and smelting stability are significantly improved.

Industrial & Chemical Applications

A Fundamental Material for Advanced Industries

The chemical and thermal properties of fluorspar make it a key raw material across a wide range of chemical and manufacturing industries.

Chemical Industry

Fluorspar is the primary raw material in the production of hydrofluoric acid (HF) and various fluorine-based compounds used in numerous chemical and advanced applications.

Welding Electrode Manufacturing

In electrode coatings, fluorspar enhances arc stability, improves weld quality, and reduces metal oxidation.

Glass & Ceramic Industries

Fluorspar supports melting efficiency, increases transparency, and improves the thermal properties of glass and ceramic products.

Glazes & Industrial Coatings

Used in specific glaze and ceramic coating formulations, fluorspar helps improve surface uniformity and control melt behavior.

EliteFluor supplies industrial-grade fluorspar with consistent purity and reliable performance, enhancing production efficiency and process stability.

With uniform quality and dependable supply, EliteFluor stands as a trusted partner for competitive global industries.

ELITE FLUOR

ACID GRADE

FLUORSPAR (≥97% CAF_2)

PRODUCT OVERVIEW

Acid Grade Fluorspar (CaF_2 ≥ 97%) is the highest-purity fluorspar produced by EliteFluor, designed for use in the chemical industry as a primary raw material for hydrofluoric acid (HF) and its downstream products.
Each batch is processed through advanced flotation and refining systems to achieve precise chemical stability, minimal impurities, and consistent physical form.
Our acid-grade product is trusted by fluorochemical manufacturers, aluminum smelters, and metallurgical plants worldwide for its reliability, purity, and performance.

PHYSICAL CHARACTERISTICS

- Color: White to light gray
- Form: Fine to medium lumps / powder
- Hardness: 4 (Mohs)
- Density: 3.0–3.2 g/cm^3

APPLICATIONS

- Production of Hydrofluoric Acid (HF)
- Manufacturing of Fluorochemicals & Refrigerants
- Used in aluminum smelting and ceramic enamel formulations
- Feedstock for high-purity chemical and metallurgical processes

QUALITY ASSURANCE

Each shipment is accompanied by a **Certificate of Analysis (COA)** verifying chemical composition and physical parameters.
Samples from every batch are archived for traceability and laboratory reference.

TYPICAL CHEMICAL ANALYSIS

Component	Specification	Typical Value
CaF_2	≥97%	97.2%
SiO_2	≤ 1.5%	1.2%
Fe_2O_3	≤ 0.02%	0.01%
P_2O_5	≤ 0.02%	0.01%
CaO	≤ 0.1%	0.01%
LOI	≤0.5%	0.2%

Specifications may vary by extraction zone. Customized grades and chemical profiles are available upon request.

PACKAGING & DELIVERY

- 50 kg Bags: sealed industrial-grade polypropylene
- All packages equipped with NFC tags for digital traceability
- Packaging options: Bags can be palletized or packed in jumbo bags upon request.
- Delivery terms: FOB / CFR / EXW

AVAILABLE SIZES

- Mesh 150-300 (Fine powder)

Scan the QR code above to download the latest Technical Data Sheet (TDS) for this product

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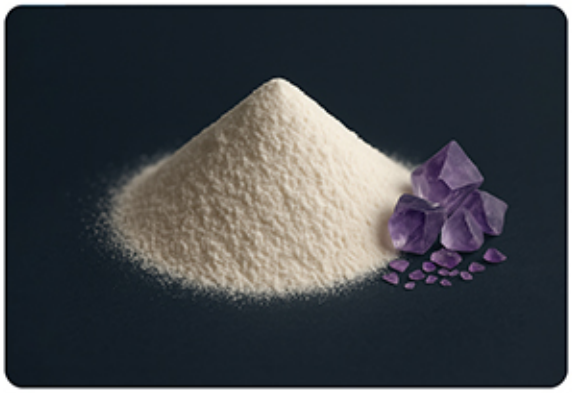
CERAMIC GRADE

FLUORSPAR (90-97% CAF_2)

PRODUCT OVERVIEW

Ceramic Grade Fluorspar (CaF_2 90–97%) is a high-purity fluorspar produced by EliteFluor for use in ceramic, glass, and enamel industries, where controlled melting behavior and consistency are critical.
This grade is characterized by low silica and iron content, providing optimal performance in glazes, enamels, and high-temperature formulations.
Each batch is processed through flotation and sorting systems to ensure uniform particle size, stable chemical composition, and excellent fusibility — making it ideal for foundries, glass manufacturers, and tile producers seeking cost-effective performance.



PHYSICAL CHARACTERISTICS

- Color: Light gray to pale purple
- Form: Lumps or crushed granules
- Hardness: 4 (Mohs)
- Density: 3.0 g/cm^3

APPLICATIONS

- Ceramic and glass industries: Improves melting uniformity, transparency, and gloss.
- Enamel manufacturing: Enhances flow properties and adhesion.
- Foundries: Used as flux for non-ferrous metals.
- Chemical industry: As feedstock for intermediate-grade fluoride compounds.

QUALITY ASSURANCE

Each shipment is accompanied by a **Certificate of Analysis (COA)** verifying chemical composition and physical parameters.
Samples from every batch are archived for traceability and laboratory reference.

TYPICAL CHEMICAL ANALYSIS

Component	Specification	Typical Value
CaF_2	90–97%	92%
SiO_2	≤ 6.0%	4.2%
Fe_2O_3	≤ 0.02%	0.01%
P_2O_5	≤ 0.02%	0.01%
CaO	≤ 1.0%	0.01%
LOI	≤ 1.4%	0.8%

Specifications may vary by extraction zone. Customized grades and chemical profiles are available upon request.

PACKAGING & DELIVERY

- Jumbo Bags: 1.0 – 1.5 tons, moisture-resistant
- 50 kg Bags: sealed industrial-grade polypropylene
- Packaging options: Bags can be palletized or packed in jumbo bags upon request.
- All packages equipped with NFC tags for digital traceability
- Delivery terms: FOB / CFR / EXW

AVAILABLE SIZES

- 0–10 mm (Fine Granular)
- 10–60 mm (Standard Lump)
- Mesh 150–300 (Powder)
- Custom mesh sizes available upon request.

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METALLURGICAL GRADE

FLUORSPAR (65-90% CAF_2)

PRODUCT OVERVIEW

Metallurgical Grade Fluorspar (CaF_2 65–90%) supplied by EliteFluor is primarily used as a fluxing agent in the production of steel, iron, and non-ferrous metals.
Its key function is to reduce the melting temperature, improve slag fluidity, and remove impurities such as sulfur and phosphorus during metal smelting and refining.
Processed under controlled conditions, this grade combines cost efficiency with reliable performance, ensuring smoother furnace operation and consistent metallurgical results.

PHYSICAL CHARACTERISTICS

- Color: Gray, green, or violet (natural variation)
- Form: Irregular lumps or crushed pieces
- Hardness: 4 (Mohs)
- Density: 3.0–3.2 g/cm^3
- Bulk Density: 1.4–1.6 t/m^3

APPLICATIONS

- Steelmaking and Foundries: Used as flux to lower melting point and improve slag fluidity.
- Cement Production: Enhances clinker formation and energy efficiency.
- Non-Ferrous Metal Refining: Improves separation of slag and metal.
- Glass & Enamel Industries: Acts as a minor fluxing additive for melting control.

QUALITY ASSURANCE

Each shipment is accompanied by a **Certificate of Analysis (COA)** verifying chemical composition and physical parameters.
Samples from every batch are archived for traceability and laboratory reference.

TYPICAL CHEMICAL ANALYSIS

Component	Specification	Typical Value
CaF_2	65–90%	75–82%
SiO_2	≤ 25.0%	15.0%
Fe_2O_3	≤ 0.02%	0.01%
P_2O_5	≤ 0.05%	0.03%
CaO	--	--
LOI	≤ 4%	1.0%

Specifications may vary by extraction zone. Customized grades and chemical profiles are available upon request.

PACKAGING & DELIVERY

- Jumbo Bags: 1.0 – 1.5 tons, moisture-resistant
- 50 kg Bags: sealed industrial-grade polypropylene
- Packaging options: Bags can be palletized or packed in jumbo bags upon request.
- All packages equipped with NFC tags for digital traceability
- Delivery terms: FOB / CFR / EXW

AVAILABLE SIZES

- 10–80 mm (Standard Lump)
- 0–200 mm (Lump)
- Mesh 150–300 (Powder)
- Other sizing upon request.

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LOW GRADE FEED

FLUORSPAR (25-60% CAF_2)

PRODUCT OVERVIEW

Low Grade Fluorspar Feed (CaF_2 25–60%) is a naturally mined fluorspar used primarily as beneficiation feedstock for upgrading into higher-grade products, or for industrial blending where moderate purity is acceptable.
This material is sourced from EliteFluor's Kuh-e Sefid mine, carefully selected and screened to ensure stable chemistry and low variability for downstream processing.
It provides a cost-effective solution for end users requiring consistent mineral supply at controlled grades — particularly for cement plants, foundries, and metallurgical operations seeking optimized flux performance.

PHYSICAL CHARACTERISTICS

- Color: Gray to dark green
- Form: Mixture of fines, stones, and large lumps
- Hardness: 4 (Mohs)
- Density: 2.9–3.2 g/cm^3
- Bulk Density: ~1.5 t/m^3

APPLICATIONS

- Beneficiation Plants: Feedstock for producing higher-grade fluorspar.
- Cement Industry: As a flux to enhance clinker formation.
- Foundries & Steel Plants: Flux additive for lower-temperature melting.
- Blending Operations: Used for grade adjustment in custom mixes.

QUALITY ASSURANCE

Each shipment is accompanied by a **Certificate of Analysis (COA)** verifying chemical composition and physical parameters.
Samples from every batch are archived for traceability and laboratory reference.

TYPICAL CHEMICAL ANALYSIS

Component	Specification	Typical Value
CaF_2	25 – 60 %	25–30 %
SiO_2	≤ 50%	45%
Fe_2O_3	≤ 2.0 %	1.4 %
P_2O_5	≤ 0.1 %	0.06 %
CaO	--	--
LOI	≤ 7.0 %	6.0 %

Specifications may vary by extraction zone. Customized grades and chemical profiles are available upon request.

PACKAGING & DELIVERY

- Jumbo Bags: 1.0 – 1.5 tons, moisture-resistant
- Bulk shipments: available for high-volume customers
- All packages equipped with NFC tags for digital traceability
- Delivery terms: FOB / CFR / EXW

AVAILABLE SIZES

- 0–250 mm (Mixed Run of Mine, containing fines)
- 10–250 mm (Clean Lumps, free of fines)
- Custom screening available for processing plants or blending use.

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CUSTOM FLUORSPAR BLEND & ADDITIVE SOLUTIONS

TAILOR-MADE SOLUTIONS FOR INDUSTRIAL REQUIREMENTS

At EliteFluor, we recognize that every industrial process has unique technical and operational needs. To meet these demands, we provide custom-designed fluorspar blends and additive combinations, developed in direct cooperation with our clients.

Our engineering and laboratory teams review each request individually — assessing feasibility, testing performance, and developing an optimized formula that meets both technical efficiency and cost-effectiveness.

HOW IT WORKS

1- Requirement Definition – Clients share their target CaF_2 range, preferred mesh size, or special additive needs.
2- Technical Evaluation – Our specialists analyze chemical and process compatibility.
3- Sample or Pilot Batch – A test blend is prepared to validate performance in the client's application.
4- Approval & Production – Once confirmed, full-scale production begins under controlled quality supervision.

CUSTOM OPTIONS

- **Flexible CaF_2 Grades:** 25%–97%
- **Custom Mesh Sizes:** powder, granular, or mixed lump
- **Additive Integration:** incorporation of other minerals or process agents upon request
- **Technical Collaboration:** direct communication between EliteFluor lab engineers and the client's R&D or production team. Production in various forms including briquettes is available.

APPLICATION EXAMPLES

- Steel & Foundries: blended flux for optimized slag control
- Cement & Glass: additives enhancing kiln stability and melt quality
- Chemical Industry: base material designed for specific fluorochemical reactions
- Processing Plants: controlled feed composition for beneficiation or upgrading

NOTE TO CLIENTS

All custom blend requests are handled through direct technical consultation.
Feasibility, cost, and delivery time are determined after laboratory evaluation and sample verification.
Each project is unique — no predefined data sheet or standard specification applies.

ELITE FLUOR

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Fluorspar Briquetting

Advanced Processing and Engineered

In line with expanding its product portfolio and moving toward the delivery of advanced industrial solutions, Elite Fluor Company has developed the capability to produce and supply fluorite in briquette form.

Fluorite briquettes represent a modern processing method designed to enhance product performance. This form is developed to improve raw material utilization, reduce material loss in industrial processes, and optimize efficiency in production lines. The product is particularly suitable for industries that require a stable, uniform, and controllable consumption of fluorite, making it a highly efficient solution for industrial applications.

Product Introduction

Fluorite briquettes are manufactured through the high-pressure mechanical compression of fluorite powder—derived from advanced processing techniques such as flotation and separation—combined with specialized binding agents.

This process creates a dense, uniform, and stable structure that maintains the integrity of the original chemical composition while providing exceptional mechanical strength.

Our briquettes are specifically engineered for direct integration into industrial production lines, requiring no additional preparation and delivering consistent, predictable performance.

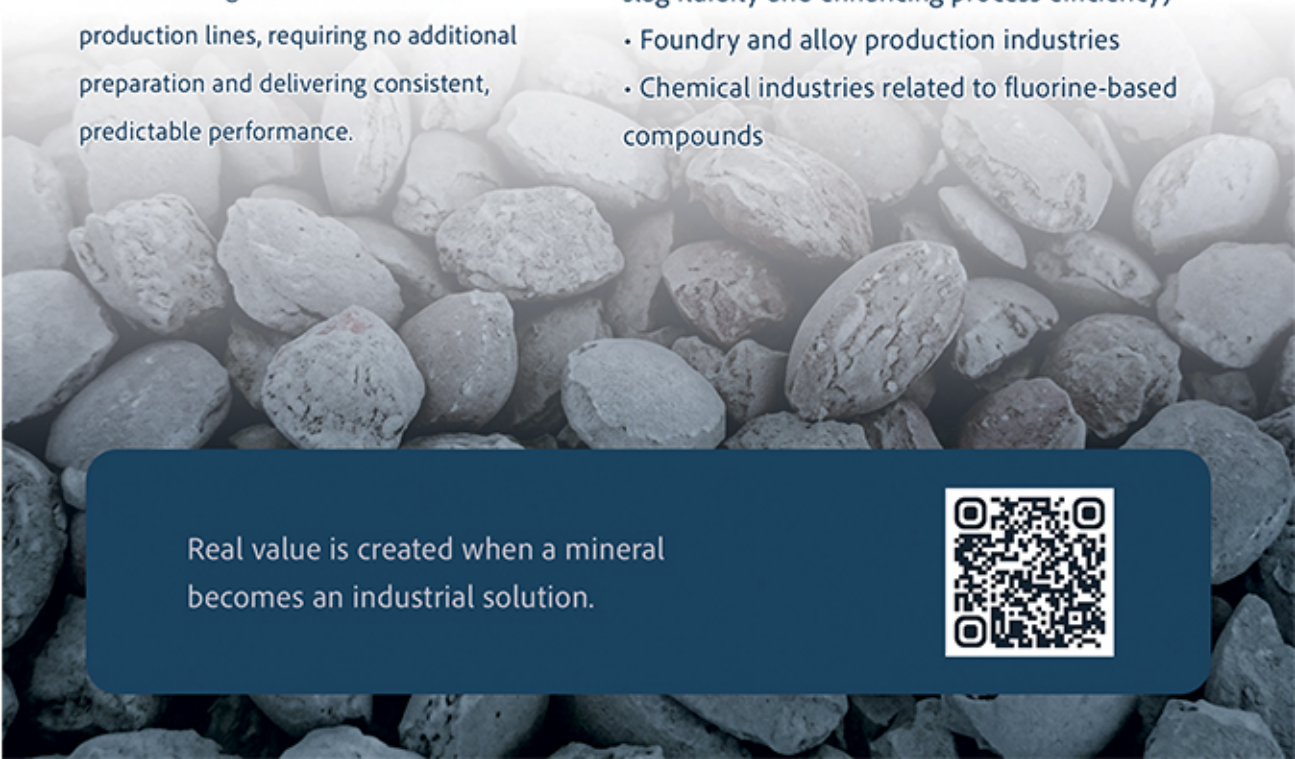
Key Features

- Reduced dust during handling and use
- Lower material loss and improved efficiency
- Enhanced performance in industrial furnaces
- Consistent composition and stable performance
- Easier handling, storage, and transport
- Reduced environmental impact from fine powders

Industrial Applications

Due to its dense structure and favorable technical properties, fluorite briquettes are used across a range of industries:

- Steel and metal smelting industries (improving slag fluidity and enhancing process efficiency)
- Foundry and alloy production industries
- Chemical industries related to fluorine-based compounds



Real value is created when a mineral becomes an industrial solution.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Briquette Production Process

The briquette production process at Elite Fluor is designed based on materials engineering principles and strict quality control, and includes the following stages:

1.Raw Material Preparation

Fluorite powder is carefully selected and processed to achieve a controlled particle size distribution. This step ensures compositional uniformity and provides a suitable foundation for producing high-quality briquettes.

2.Formulation Adjustment and Binder Addition

The prepared raw materials are blended with suitable binders and additives according to the intended end use. Proper formulation enhances mechanical strength, improves bonding, and ensures optimal performance of the final product.

3.High-Pressure Compaction

The prepared mixture is compressed under high mechanical pressure. This process increases product density, reduces internal voids, and produces compact, durable briquettes.

4.Shaping and Structural Stabilization

After compaction, the briquettes are formed into their final shape and the structure is stabilized. This stage ensures dimensional accuracy, handling strength, and resistance during storage and transportation.

5.Quality Control and Final Inspection

Each production batch undergoes rigorous quality control tests, including evaluation of mechanical strength and product uniformity. Only products that meet the required industrial standards are approved for final packaging and delivery.

This process is designed to ensure that the final product delivers high performance stability and is ready for direct use in target industrial applications.

Customization Capabilities

Elite Fluor provides fully customized fluorite briquette production tailored to the specific requirements of various industries.
Customization options include:

- Precise adjustment of CaF_2 purity levels based on industrial applications
- Designing briquette dimensions, shape, and mechanical strength according to customer needs
- Ability to modify chemical composition for specialized processes
- Dedicated production for steelmaking, chemical, and metallurgical industries

This production flexibility enables the delivery of specialized, customer-focused solutions.

Binder Selection

In fluorspar briquette production, the binder type is selected according to the final application to ensure proper strength and performance.
Silicate-based binders are used for steel and metallurgical industries, while specialized binders are applied for tile, ceramic, and glaze industries.
This approach enables the production of briquettes tailored to each customer's requirements.

Packaging and Supply

Elite Fluor briquettes are supplied in standard industrial packaging, including durable jumbo bags, and are available for delivery at various industrial scales.
With the company's established production structure and logistics infrastructure, a consistent and reliable supply of this product is ensured for both domestic and international customers.

Elite Fluor briquettes offer an efficient solution for industries seeking higher productivity, easier handling, and stable performance. With a dense and uniform structure, this product helps reduce material loss, improve efficiency, and optimize consumption control. Briquettes can be produced in customized purity levels, sizes, and formulations for various industrial applications, supported by strict quality control and reliable supply capacity.

Real value is created when a mineral becomes an industrial solution.

CERTIFICATIONS & SYSTEMS

- **ISO 9001** – Quality Management System
  Ensuring consistency, documentation, and continuous process improvement.
- **ISO 14001** – Environmental Management System
  Commitment to minimizing environmental impact and resource efficiency.
- **ISO 45001** – Occupational Health & Safety Management
  Guaranteeing safe workplace practices and risk prevention.
- **SGS / COA Certification**
  Third-party validation of product composition, moisture, and quality.
- **QC Laboratory Accreditation**
  Internal analytical facility equipped for chemical and physical testing.

All production batches are certified with a unique tracking code and accompanied by a COA (Certificate of Analysis).

CERTIFICATIONS & COMPLIANCE

COMMITMENT TO QUALITY AND RELIABILITY

At **EliteFluor**, quality assurance is the foundation of our operations.
Our production and laboratory processes follow **international standards** to ensure consistency, safety, and traceability — from raw material to final shipment.

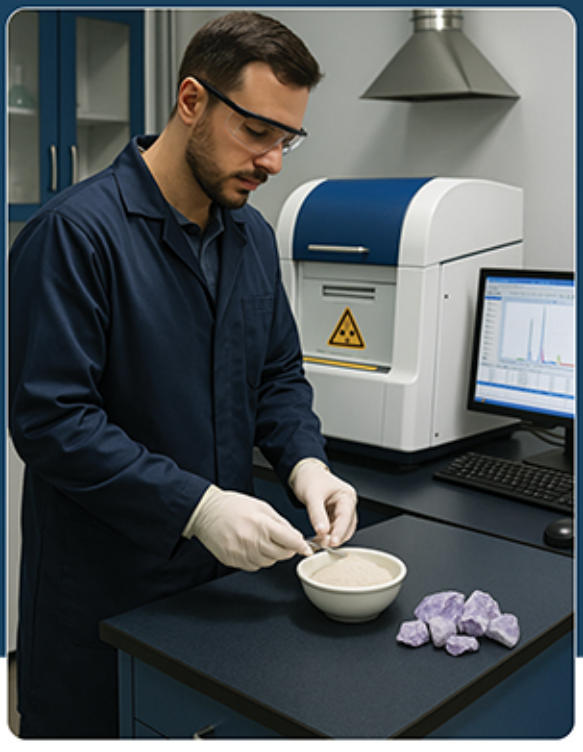
We operate under the quality framework of **Negin Majd Khavarmiane Co.**, maintaining full compliance with globally recognized standards.

QUALITY CONTROL & LABORATORY SYSTEM

QUALITY CONTROL PROCESS

1. **Sampling**
   Representative samples collected from each batch.
2. **Testing**
   Laboratory analysis using calibrated XRF, XRD, ICP systems.
3. **Verification**
   Cross-checked through external certified laboratories.
4. **Certification**
   COA issued and attached to shipment documentation.
5. **Archiving**
   Samples and digital reports stored for traceability.

- **XRF / XRD Spectrometry**
  For elemental and mineral phase analysis.
- **ICP Analyzer**
  Precision testing for trace impurities.
- **Moisture Analyzer**
  Real-time H_2O determination.
- **Particle Size Screening Units**
  Ensuring mesh consistency.



CONTINUOUS IMPROVEMENT

EliteFluor continuously invests in **modern laboratory technology, staff training**, and **digital data systems** to enhance product reliability and client satisfaction.
Our QC and R&D teams collaborate closely to ensure **innovation, precision, and long-term consistency** in every batch.

Certified Quality. Global Trust.

Packaging & Loading Facilities

At EliteFluor, packaging and loading are treated as critical stages in ensuring product integrity, accuracy, and customer satisfaction.
All handling operations are performed under controlled conditions to guarantee material purity, prevent moisture absorption, and maintain precise shipment weights.
Our facility includes dedicated loading stations, automated weighing systems, and secure storage areas designed for both bulk and bagged shipments. Every package is labeled with a traceable batch number linked to its Certificate of Analysis (COA).

PACKAGING OPTIONS

- **Jumbo Bags:** 1.0 – 1.5 tons (moisture-resistant)
- **50 kg Bags:** sealed industrial-grade polypropylene
- **Bulk Shipments:** available for high-volume customers
- **Custom Packaging:** optional labeling and palletized configurations upon request

All packaging materials are designed to prevent contamination and preserve the physical and chemical stability of the fluorspar.

WAREHOUSING & STORAGE

Our on-site warehouse provides secure and dry storage with full environmental control.
Stock management and scheduling are optimized through our digital logistics system, allowing for real-time inventory tracking and just-in-time shipment coordination.

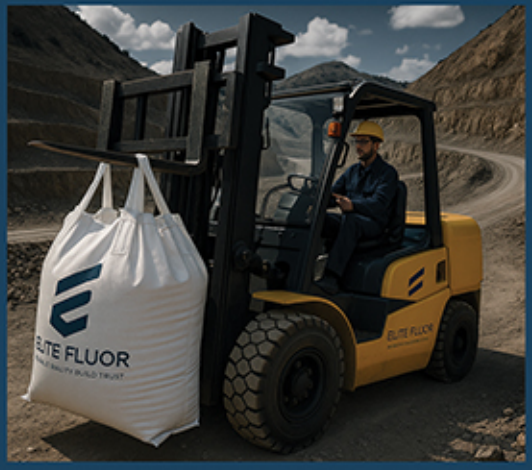
SAFETY & COMPLIANCE

EliteFluor adheres to strict safety protocols throughout all packaging and loading processes.
All personnel are trained in material handling standards and environmental safety measures, ensuring compliance with both local and international transport regulations.

LOADING OPERATIONS

- Automated Weighing & Control Systems: ensure accurate tonnage and documentation
- Conveyor-Fed Loading Stations: minimize spillage and dust generation
- Forklift & Crane Handling: for safe loading of jumbo bags and containers
- Covered Loading Areas: protect against weather exposure
- Pre-Dispatch Inspection: each shipment is visually and digitally verified before sealing

| Safe Handling. Accurate Loading. Reliable Delivery.



GLOBAL LOGISTICS & RELIABLE DELIVERY

At EliteFluor, we understand that logistics is not just transportation — it is the backbone of reliability and trust in long-term business partnerships.

Our integrated logistics system ensures **on-time, safe, and efficient delivery** of fluorspar products to both domestic and international clients.

Supported by **Negin Majd Khavarmiane Co.**, our logistics and export division manages the entire supply chain — from mine and plant operations to port delivery and customs clearance.

Flexible incoterms allow clients to choose the most convenient delivery option based on their logistics needs.

TRANSPORT NETWORK

Road Fleet: Reliable trucks for domestic and border deliveries

Rail Connection: Direct routes linking to national and international corridors

Port Access: Strategic coordination with shipping companies and freight forwarders

Border Terminals: Regular dispatches to Sarakhs, Bazargan, Dogharoon, and Astara

Warehouse Coordination: Just-in-time inventory scheduling to minimize lead time

SHIPPING DOCUMENTATION

Every shipment includes:

Certificate of Analysis (COA)

Packing List & Invoice

Certificate of Origin

Customs Export Declaration (Form E)

Transport Manifest & Weight Ticket

All documents are verified and archived to ensure full traceability for every consignment.

DELIVERY OPTIONS

FOB (Free On Board) – Shipment through Iranian southern ports such as Bandar Abbas, Chabahar, and Imam Khomeini Port.

CFR (Cost and Freight) – Delivery to key destinations including Black Sea, India, East Asia, and Europe.

EXW (Ex Works) – Pickup directly from our processing facility or warehouse.

SAFETY & HANDLING

All loading and transport operations follow international safety standards, including:

Proper bag sealing and pallet stability

Moisture protection during transit

Weight verification at dispatch

Driver and staff safety compliance training

Our logistics team ensures each shipment leaves with precision, documentation, and reliability.

ADVANCED PROCESSING SYSTEMS FOR HIGH-GRADE FLUORSPAR

At EliteFluor, modern processing technologies are implemented to achieve maximum recovery and precise grade control across all production stages.
Our beneficiation plant combines mechanical, chemical, and digital automation systems to ensure product uniformity, efficiency, and environmental compliance.

MODERN BENEFICIATION TECHNOLOGIES

1. Flotation Technology

The heart of our beneficiation process using multi-stage flotation cells equipped with automatic air control and reagent dosing systems.
These ensure stable froth formation, selective separation of impurities, and consistent CaF_2 enrichment up to 97%.

Advanced reagents and pH controllers enable high recovery rates and precise control over impurity levels.

2. Magnetic & Gravity Separation

Auxiliary systems are applied for pre-concentration and silica / iron reduction,
using magnetic separators and gravity-based classifiers to optimize flotation efficiency and reduce reagent consumption.

3. Moisture & Particle Control Systems

Automated sensors monitor moisture, particle distribution, and density at key points of the process.
Real-time adjustments help maintain consistent product characteristics before final drying and packaging.

4. Water Recycling & Closed-Circuit Systems

EliteFluor operates with a closed-loop water recycling network, reducing water consumption and minimizing waste discharge.
This system not only supports sustainability goals but also improves flotation stability.

5. Process Automation & Digital Monitoring

Centralized control units continuously track production metrics — including feed rate, reagent flow, and temperature.
Data-driven adjustments allow for energy optimization, reduced downtime, and predictable production performance.

6. R&D AND CONTINUOUS IMPROVEMENT

Our in-house R&D team constantly evaluates new reagents, flotation parameters, and equipment upgrades.
Regular collaboration with engineering consultants ensures our process remains at the forefront of fluorspar beneficiation technology.

Technology, precision, and responsibility — these are the foundations of EliteFluor's processing excellence.

ELITE FLUOR
EXTRACT QUALITY, BUILD TRUST


Flotation Technology

Magnetic & Gravity Separation


Moisture & Particle Control Systems


Water Recycling & Closed-Circuit Systems


Process Automation & Digital Monitoring


R&D AND CONTINUOUS IMPROVEMENT

FROM MINE TO MARKET

A CONTROLLED VALUE CHAIN

At EliteFluor, the processing of fluorspar begins directly at the Kuh-e Sefid Mine and continues through a fully integrated production chain designed for efficiency, purity, and reliability.
Our facilities are equipped with modern machinery and automated control systems, ensuring consistent product quality from raw ore to the final packaged material.

Every ton of ore is treated through precise mechanical and chemical processes that guarantee grade stability, low impurity levels, and high recovery efficiency.

MAIN PROCESSING STAGES

1. Crushing & Screening
The extracted ore is first reduced in size using jaw and cone crushers.
Screening systems separate different fractions to create uniform feed material for beneficiation.

2. Washing & Classification
The crushed material is washed to remove fines, clays, and dust particles.
This stage enhances the efficiency of flotation by improving surface purity and particle uniformity.

3. Grinding & Conditioning
Material is ground to the optimal particle size for flotation efficiency.
Reagents and collectors are added under controlled pH and temperature conditions.

4. Flotation
The key beneficiation process where fluorite (CaF_2) is separated from gangue minerals such as silica and calcite.
Our flotation cells use modern aeration and reagent control systems to ensure high recovery and purity.

5. Filtering & Drying
The concentrate is filtered and dried using hot-air industrial dryers, achieving the required moisture level for safe packaging and transport.

6. Quality Control & Bagging
Samples from every batch are tested in the laboratory (XRF, XRD, ICP).
Once approved, the final product is packed in sealed jumbo bags

KEY PROCESSING FEATURES

Fully integrated line from mine to packaging
Real-time process monitoring and QC checkpoints
Automated moisture and density control
Minimal material loss and dust emission
ISO-certified process compliance

Each step in the EliteFluor process is designed to ensure product consistency, environmental responsibility, and customer confidence.

COMPETITIVE ADVANTAGES

At EliteFluor, competitiveness means more than product quality — it's about reliability, innovation, and integration across the entire supply chain.
From mine to shipment, every stage is managed with precision, transparency, and efficiency.

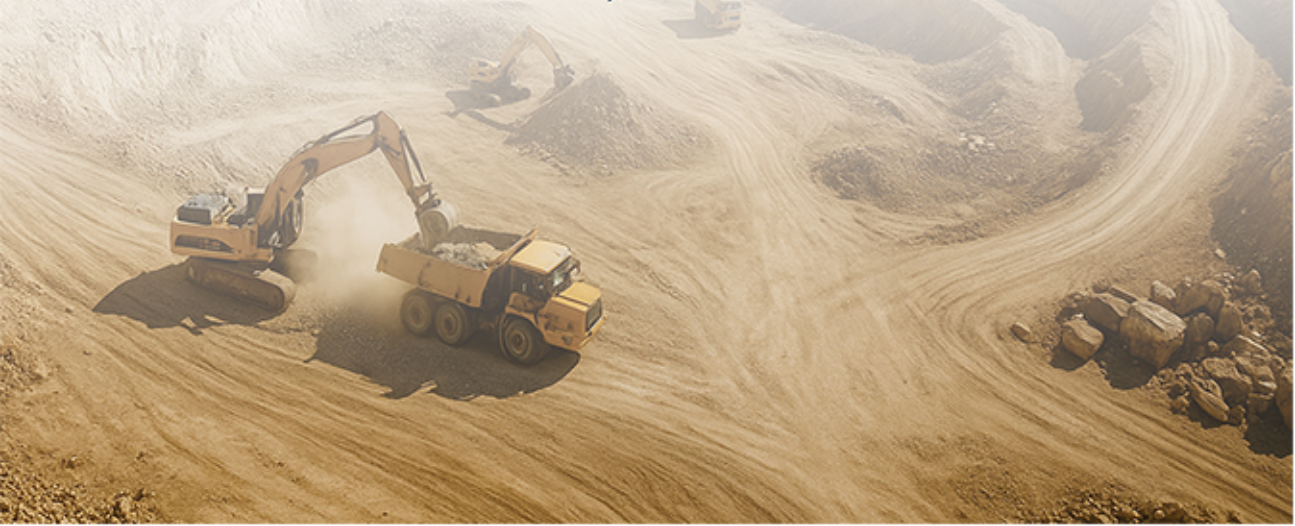
Integrated Operations – Full control from mining to logistics ensures consistent quality and timely delivery.
Modern Processing Systems – Advanced flotation, UV separation, and dry beneficiation technologies guarantee high recovery and purity.
Strategic Location – Direct access to key transport routes and export gateways such as Sarakhs and Bandar Abbas.
Reliable Supply Capacity – Continuous production and flexible stock management for long-term partnerships.
Quality Assurance – ISO-certified laboratory and COA verification for every shipment.
Customer Trust – Decades of industry experience and personalized technical support.

Precision. Reliability. Continuity.
These are the pillars of EliteFluor's global competitiveness.

Competitive Advantages & Core Strengths

CORE STRENGTHS

Strong Resource Base: Secure fluorspar reserves from Kuh-e Sefid Mine (25–94% CaF_2).
Technical Expertise: Experienced team of geologists, engineers, and QC specialists.
Innovative Mindset: Continuous R&D for process optimization and cost efficiency.
Sustainability Commitment: Closed-circuit water systems and dust control for eco-friendly production.
Corporate Stability: Backed by Negin Majd Khavarmiane Co., subsidiary of Negin Holding.
A solid foundation built on science, sustainability, and trust.

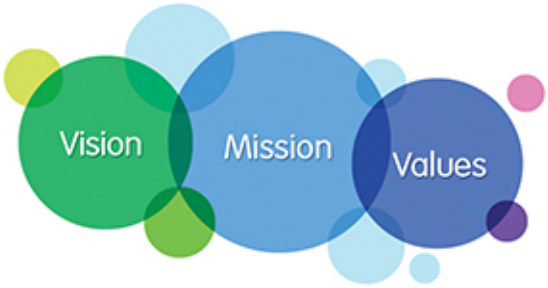


OUR MISSION

EliteFluor's mission is to extract and process fluorspar in accordance with the highest standards of quality, safety, and environmental responsibility, ensuring sustainability, efficiency, and consistent quality control throughout the entire production chain.

We are committed to continuously modernizing our production lines, advancing extraction and processing technologies, and producing fluorspar in a range of grades to reliably meet the needs of key industries including metallurgy, steel, glass, ceramics, cement, and chemical manufacturing.

By investing in skilled teams, ongoing research and development, and modern technologies, EliteFluor strives to create long-term value for customers and stakeholders while strengthening Iran's position in the global fluorspar market and onsibly.



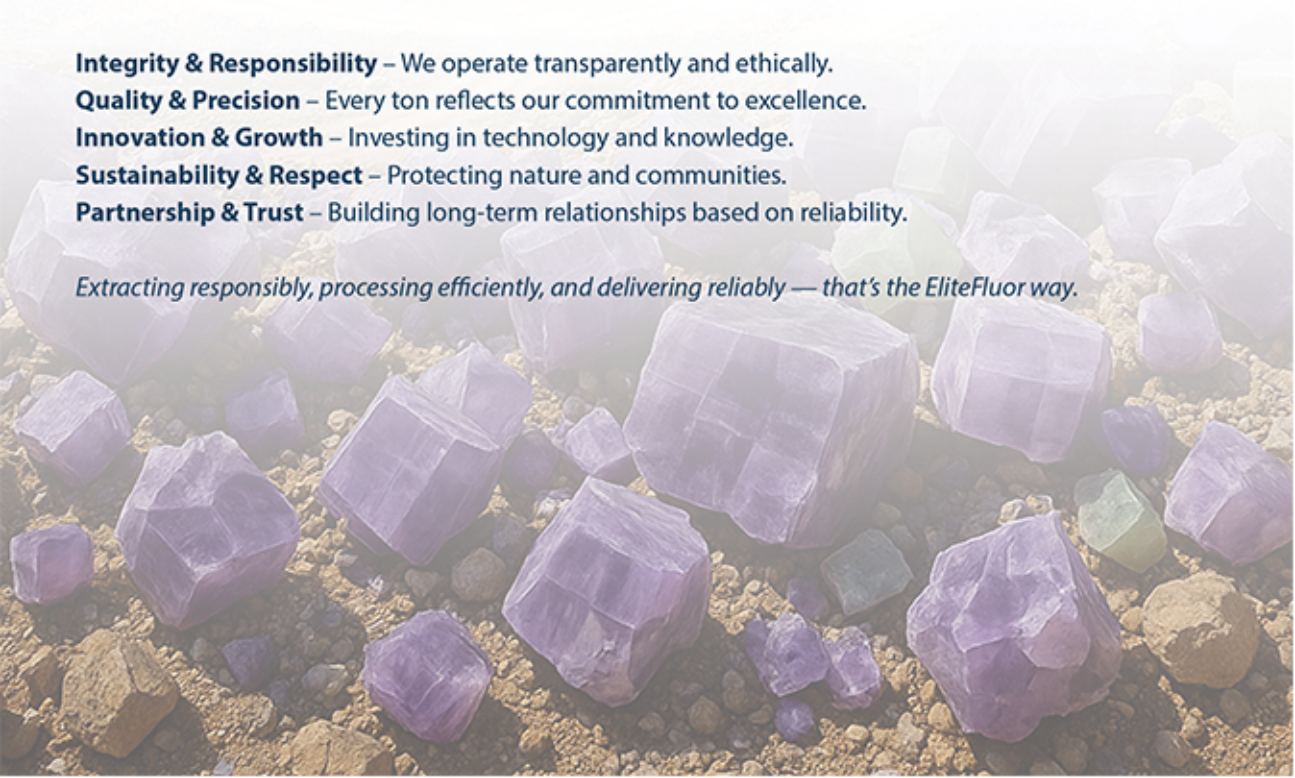
OUR VISION

To become a **regional and international leader** in sustainable fluorspar production, recognized for **innovation, reliability, and environmental integrity** — connecting **Iran's natural** resources to **global industry** responsibly.

OUR CORPORATE VALUES

Integrity & Responsibility – We operate transparently and ethically.
Quality & Precision – Every ton reflects our commitment to excellence.
Innovation & Growth – Investing in technology and knowledge.
Sustainability & Respect – Protecting nature and communities.
Partnership & Trust – Building long-term relationships based on reliability.

Extracting responsibly, processing efficiently, and delivering reliably — that's the EliteFluor way.



SUSTAINABILITY & ENVIRONMENTAL STEWARDSHIP

WATER RECYCLING SYSTEMS
We operate closed-circuit water systems that recover and reuse over 90% of process water — reducing freshwater consumption and ensuring eco-friendly beneficiation.

WASTE MANAGEMENT
Solid residues and tailings are treated through controlled settling and filtration, ensuring safe disposal and compliance with environmental regulations.

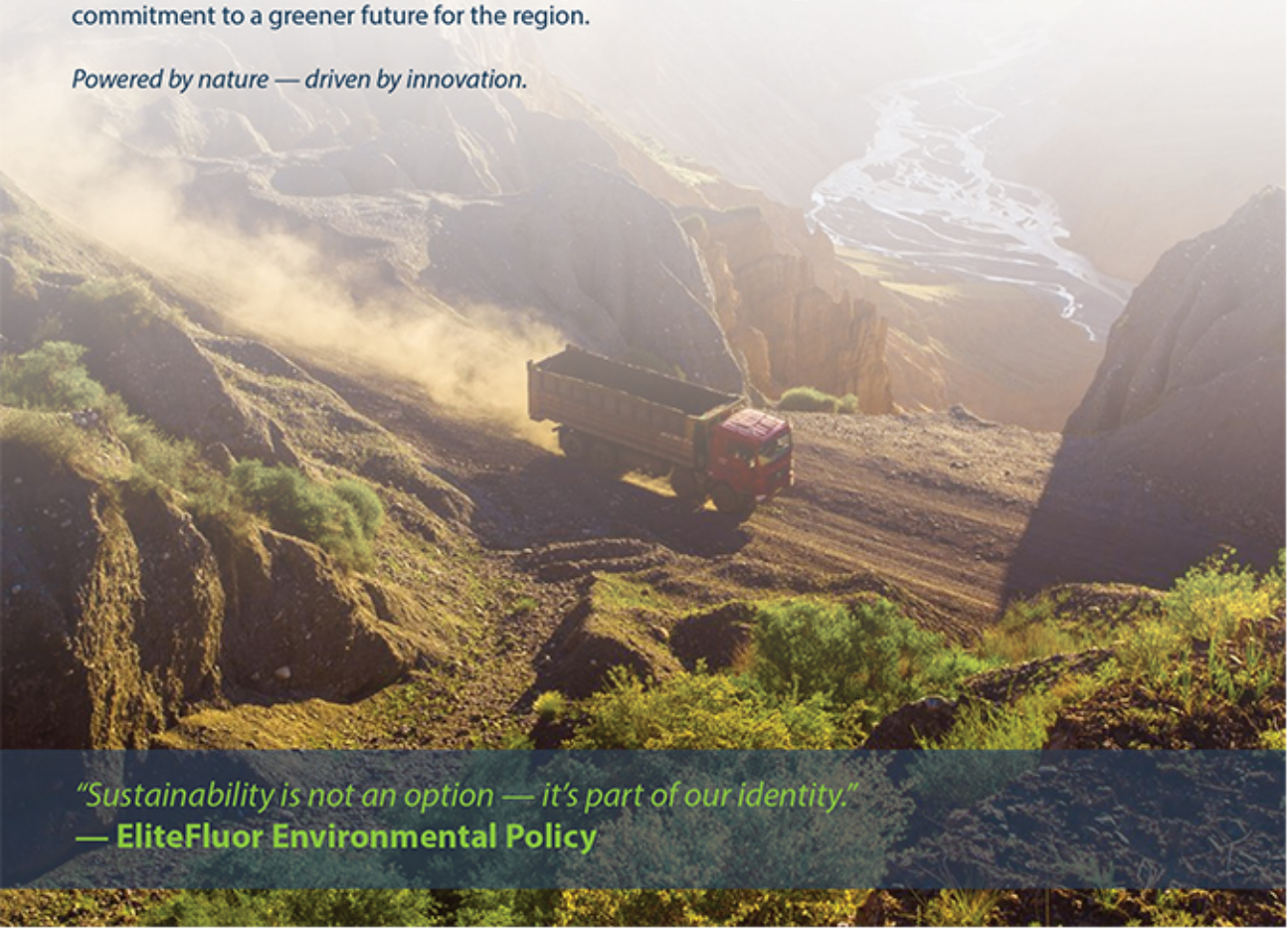
DUST & EMISSION CONTROL
Through misting systems, green buffer zones, and continuous air monitoring, we maintain clean operations and protect nearby communities.

ENERGY EFFICIENCY
Our beneficiation plants utilize optimized power systems and modern automation to reduce energy consumption and carbon footprint.

ECOLOGICAL RESTORATION
Progressive land rehabilitation and native vegetation programs restore natural landscapes after mining phases.

RENEWABLE ENERGY INITIATIVE
As part of our long-term sustainability roadmap, Negin Majd Khavarmiane is investing in a solar power generation project to supply part of our mining and processing operations with clean, renewable energy. This initiative will reduce our carbon footprint, enhance energy independence, and reinforce our commitment to a greener future for the region.

Powered by nature — driven by innovation.



"Sustainability is not an option — it's part of our identity."
— EliteFluor Environmental Policy

COMMUNITY DEVELOPMENT & SOCIAL RESPONSIBILITY

At EliteFluor, we recognize that true progress means contributing to the well-being of our people and communities.
Our corporate social responsibility (CSR) initiatives focus on regional development, local employment, education, and health & safety awareness — ensuring that our growth directly benefits the communities around us.

Our commitments include:

LOCAL EMPLOYMENT & SKILL DEVELOPMENT
We prioritize hiring from local communities and invest in continuous training programs to build a skilled and empowered workforce.

EDUCATION & KNOWLEDGE SHARING
EliteFluor supports educational initiatives, technical workshops, and university partnerships to promote learning and professional development in the mining sector.

HEALTH, SAFETY & WELLBEING
Our commitment extends beyond our sites — providing community health programs, workplace safety awareness, and support for regional healthcare facilities.

REGIONAL DEVELOPMENT INITIATIVES
We collaborate with local authorities to improve infrastructure — including road access, water management, and energy projects — fostering sustainable regional growth.

"We believe mining success should uplift both industry and community."
EliteFluor – Negin Majd Khavarmiane Co.

GLOBAL PRESENCE & CONTACT INFORMATION

EliteFluor serves clients across the Middle East, Europe, and Asia — providing reliable supply, flexible delivery terms, and technical support for long-term industrial partnerships.
Our headquarters and logistics network are strategically located in Mashhad, near key transport corridors to Sarakhs, Bandar Abbas, and Chabahar ports.

🌍 CONTACT INFORMATION

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EXPORT & LOGISTICS SUPPORT

Our logistics team ensures smooth international delivery with full documentation support:

Flexible Incoterms: FOB / CFR / EXW
COA certification per shipment
Assistance with port handling, customs, and freight coordination

Trusted by industries worldwide — connecting Iranian fluorspar to the global market.

ELITE FLUOR

EXTRACT QUALITY, BUILD TRUST

Fluorspar Mining · Processing · Export

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