MINING AND PROCESSING OPERATIONS OF PYROPHYLLITE , KONJIC	
Project title	Development of Mining and Processing Operations of Pyrophyllite – AD HARBI d.o.o. Sarajevo
Sector	Mining and Mineral Processing Industry
Location	Bosnia and Herzegovina, Herzegovina-Neretva Canton, City of Konjic • Buturović Polje – business complex covering 18,500 m², including commercial buildings and arable land, within the former UNIS factory site. • Goransko Polje – residential-commercial building and arable land totaling 3,500 m². • Parsovići (open-pit mine) – land of approx. 130,000 m² owned by the company.
Location description	The project is located in central Bosnia and Herzegovina, with mineral deposits in the Parsovići area (Municipality of Konjic) and company operations managed from Sarajevo. The location offers access to regional markets (EU and CEFTA), available natural resources, and a favorable logistical position.
Company description/	AD HARBI d.o.o. Sarajevo is a company engaged in the exploration, extraction, and processing of mineral resources, with a primary focus on pyrophyllite. The company owns verified mineral reserves and has developed a strategic plan to expand into higher value-added processing activities. The project builds on existing operations and aims to position the company as a regional leader in mineral-based industrial products.
Project status	Brownfield investment involving the expansion and development of existing mining and processing operations of pyrophyllite. A brownfield investment refers to investment in already existing industrial or mining sites that have been previously used, as opposed to greenfield investments where everything is built from scratch.
Project description	The project includes the development of an integrated mining and processing system for pyrophyllite-based products. Planned activities include: • Installation of processing facilities • Development of new product lines (fertilizers, industrial additives, and environmental applications) • Increase in production capacity The project includes a defined investment framework and the potential entry of a strategic partner through partial capital acquisition (51% of the ownership stake), which enables accelerated growth and expansion of the market. Minerals are naturally occurring, inorganic solid substances with a clearly defined chemical composition and crystal structure. They are the fundamental building blocks of the Earth's crust and play a key role in industry, energy, construction,

agriculture, and modern technologies.

Based on chemical composition and crystal structure, minerals are classified into silicates, oxides, carbonates, sulfides, phosphates, and other groups, each with specific physicochemical properties that determine their applications.

Silicates – the largest mineral group
Silicates make up more than 90% of the Earth's crust. Their basic structural unit is the $[SiO_4]^{4-}$ tetrahedron.
A special subgroup is phyllosilicates (sheet silicates), which includes pyrophyllite – a mineral of strategic importance for industry and agriculture.

Pyrophyllite – characteristics and properties

- Chemical formula: $Al_2O_3 \cdot 4SiO_2 \cdot H_2O$
- Crystal system: monoclinic
- Hardness: 1–2 (Mohs scale)
- Density: 2.7–2.9 g/cm³
- Color: white, yellowish, gray, purple
- Properties: greasy feel, easily cleavable, chemically stable, resistant to high temperatures

Industrial and agricultural applications of pyrophyllite

- Refractory industry – production of bricks, plates, linings
- Ceramics industry – filler and raw material for fine ceramics and porcelain
- Glass industry – increases thermal resistance
- Paints and pigments – inert base
- Paper and rubber industry – filler and modifier
- Agriculture – micronized pyrophyllite in fertilizers and plant protection products
- Specialized applications – cosmetics and medical products (limited use)

AD HARBI d.o.o. Sarajevo has been developing activities in mining and agriculture for over three decades, primarily based on a unique resource – pyrophyllite schist from the Parsovići deposit (Konjic).

Through continuous investment in research, infrastructure, and technology development, a strong foundation has been established for further growth and positioning in domestic and international markets.

The company is led by its owner and director, Muhamed Harbinja, who has guided its strategic development since its establishment in 1994. The company operates without debt obligations or financial blockages, which is a significant advantage for new investment cycles.

Additionally, agricultural activities have been developed on company-owned land

	and greenhouses in Buturović Polje and Goransko Polje, where both experimental and commercial production takes place, including the application of research results related to pyrophyllite. As the only pyrophyllite mine in Europe, AD HARBI holds a unique market position and the ability to diversify its production program by combining industrial processing and agricultural production, opening opportunities for innovative solutions and strategic partnerships.	
Estimated total investment cost	Approximately 10 000 000 EUR (CAPEX investment) Strategic equity investment: EUR 20 million (optional ownership acquisition) Sale of shares and recapitalization	
Inputs provided by local partner	**Value**	**Description**
	• Mineral reserves • Land and concessions • Existing • Technical know-how	• Proven pyrophyllite deposits • Mining rights and operational base • Extraction capacity and initial processing • Industry experience and geological data
Inputs required from foreign partner	**Value**	**Description**
	• Financial • Technical • Market access • Strategic support	• CAPEX financing and/or equity investment • Processing technology and product development • International distribution channels • Business development and scaling
Form of cooperation with foreign partner	**Financial**	**Technical**
	Financial (Equity participation – 51%)	Technical: Technology transfer and production development
Supporting information available	For additional information about this project, please contact FIPA either by e-mail: fipa@fipa.gov.ba or phone number: +387 33 278 080.	