

**A GLOBAL EVENT FOR
CUTTING-EDGE MINING**

MMH
Mining
and
Minerals
Hall

CORPORATE DOSSIER

**Seville-Spain
18-20 October 2022**



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Welcome



Introducing the fourth edition of **Mining and Minerals Hall (MMH)**, the only major international meeting of the mining sector in Europe, is highly significant given the circumstances of the health and economic crisis that we are experiencing. After all, in this new edition of 2022, companies and experts from all over the world will meet again in Seville to highlight the latest developments and trends in the sector, in a space focused on technological innovation, sustainability and the essential nature of the mining activity. An ideal occasion to show the society the currently active mining operations – world references for being leaders in technology and respect of the environment – as well as future projects, in line with the highest standards of quality, innovation and sustainability.

Mining faces the challenges of a world that is evolving at a rapid pace. The pandemic caused by COVID-19 has required an unprecedented effort for the sector, which has had to implement rigorous additional safety protocols and measures for preventing infection. Fortunately, the data indicate that production and, above all, demand for minerals has been maintained in these months. Prospects, both in terms of production and employment, are also favourable.

Mining is today, more than ever, a strategic, essential engine for development in Spain. This sector generates a turnover of **26.6 billion euros and 320,000 direct and indirect jobs** on more than 4,650 mining sites and factories. Our country also has significant mineral resources that are essential for addressing the great technological and material challenges of our time, as is the ecological and digital transition.

Demanding tasks such as the decarbonisation of the energy and transport sectors and the whole economy, which will require the large-scale production of electric vehicles, wind turbines, solar panels and all kinds of batteries, to mention just a few examples, will generate a great demand for raw materials never before seen in history.

In view of the global scenario that is opening up before us, we must bear in mind that Spain is now a European and global power in the production of polymetallic sulphides, especially copper, zinc, lead and silver, in addition to the so-called rare earths. Without all these raw materials, the UN's Sustainable Development Goals (SDGs) are simply unattainable. Without mining, therefore, the energy and ecological transition could not take place.



“Mining is today, more than ever, a strategic, essential engine for development in Spain”

This MMH edition aims to make this situation known to society, promoting dialogue and debate between administrations, economic agents and stakeholders about the need to benefit from this key potential. For this reason, we have decided to highlight the essential and strategic character of the mining activity as the central attraction of the event, taking advantage of the impact of a unique meeting in our continent to draw attention to this reality.

Javier Targhetta Roza
MMH Commissioner

What is Mining and Minerals Hall?



Mining and Minerals Hall (MMH) is the great European mining event that will take place from 18 to 20 October 2022 at Seville Conference and Exhibition Centre (FIBES), making the Andalusian city the mining capital of Europe and the world. This fourth edition of MMH brings together professionals and companies from the mining industry from all over the world and has become well established, edition after edition, as the only event of its kind in Europe.

MMH is a forum for discussion and knowledge generation, as well as an excellent opportunity for networking. The Congress will be the setting where institutions, firms, auxiliary companies, research centres, universities, associations, experts and both national and international investors will

highlight the importance of sharing experience, knowledge and the latest advances in the field of mining, as well as its strategic importance as a dynamic sector of the economy in these times of crisis. So, MMH returns to reaffirm the key role of mining in fostering energy transition, innovation, sustainability, safety and technological development.

In this fourth edition we will be able to see firsthand the technological innovations implemented in the sector, as well as the active mining developments, an inspiration to the world as they are leaders in technology and respectful of the environment. We will also know about future projects, attached to the highest standards of quality, innovation and sustainability.

In the context of a global pandemic caused by Covid-19, mining in the 21st century keeps proving that it is a resilient sector with the capacity to adapt to the new reality that we are living. It is a sector committed to energy transition and the fight against climate change, promoting the use of clean and digital technologies thanks to the continuous improvement of the processes of mineral raw material exploration, extraction, production and treatment. It is a sector that advocates efficient water consumption, with responsible production methods that minimise its environmental footprint and protect biodiversity and ecosystems in line with the United Nations Sustainable Development Goals (SDGs).

Aims of 2022 MMH edition

- 1 Reinforce the **strategic importance of mining** as an essential sector that revitalises the economy and generates wealth.
- 2 Support the economic recovery of the business associated with the sector by turning the Hall into a forum for **stimulating investments**.
- 3 Turn **Seville into the European and world's capital of mining**, and into a setting for debate and networking where experiences can be shared and knowledge generated.
- 4 Commit to the **energy transition and the fight against climate change** and promote the use of clean and digital technologies in the sector.

Sevilla: mining capital of Europe

WHY?

- ✓ Andalusia great potential in terms of quantity and variety of natural resources
- ✓ Innovative region in mining research and development:
 - Technological progress
 - Sustainable techniques
 - In-depth knowledge of mining sites

BENEFITS

- **Attract investment**
- **Increase** profitability as well as social and economic benefits
- **Promote innovation** and internationalization of Andalusian companies
- **Boost the "Andalusia" brand**



A strategic sector. Andalusia



A strategic sector. Spain



ECONOMIC DATA

METALIC MINING

In Andalusia, a number of mining developments are **currently operating in Huelva** (Mina de Riotinto, Mina Aguas Teñidas, Mina Magdalena and Mina Sotiel), **Seville** (Cobre Las Cruces) and (Los Frailes) in the process of opening. In **Granada** (Minas de Alquife) and (Mina de Órgiva) in the Sierra de Gádor.

The region has numerous exploration projects in Tharsis, La Zarza, San Telmo, Escacena, Paterna, Paymogo, La Toscana, Concepción, Valverde del Camino, Beas, El Berrocal, Villanueva de los Castillejos, Alosno, El Almendro, San Bartolomé de la Torre, Nerva, La Granada of Riotinto, Zufre, The Madroño in Castillo de las Guardas, El Cerro de Andévalo, Gerena, Guillena, Alcalá del Río and Burguillos among other towns in Huelva and Seville, Los Pedroches,

Fuente Obejuna in **Córdoba** and Linares in **Jaén**. These data give evidence of the **strength of the sector in the productive system of the region**, whose geological wealth predicts a thriving future.

- | **6 active developments**, one in the process of opening and a number of projects under study
- | More than 20 million tonnes of minerals processed annually
- | **10,000 direct and 30,000 indirect jobs**
- | **2.5 billion euros of accumulated investment**
- | **3.2 billion euros of annual turnover**
- | **More than 1.5 billion euros of annual exports**

AGGREGATES

- | **313 mining sites**
- | **15 million tonnes produced, with a value around 200 million euros**
- | **3,515 direct and indirect jobs**

INDUSTRIAL MINERALS

- | **Sea salt** accounts for 35% of national production, with 389,000 tonnes and close to 8 million euros of annual production
- | **Gypsum** with 7.9 million tonnes and a turnover of more than 49 million, Andalusian gypsum represents 70% of national production and nearly 20% of European production.

ORNAMENTAL ROCKS

- | The ornamental **marble** represents 44% of national total



4,650 mining sites and factories



215 million tonnes



319,000 jobs



26.6 billion euros of turnover



11.8 billion euros of exports



3,755 companies

Source: Informe Primigea



Mining today

ESSENTIAL

The recent health crisis has contributed to society's understanding of the essential nature of mining through mineral raw materials, present in every area of our lives. The sector has proved to be strategic and necessary for the development of the economic activity. Metals and industrial rocks are necessary for sectors such as health, pharmaceuticals, energy and transport, and are also crucial for meeting the major challenges of our century, such as the ecological transition, population growth and urbanisation. Fortunately, Spain is now a world power in the production of polymetallic sulphides and so-called rare earths, which are fundamental to the digital economy. Without these raw materials, the UN's SDGs would be unattainable and the energy and ecological transition could not take place.

SUSTAINABLE

Mining has accepted the challenges posed of energy and digital transformation. In fact, the industry has long been implementing new processes to ensure its own sustainability. Mining companies work towards the continuous improvement of their environmental management, making a commitment to sustainable production through policies based on the circular economy and SDGs. Thus, companies prioritise efficient and sustainable management of water consumption, which allows them to operate with full guarantees of environmental protection. They are also developing procedures to calculate their environmental footprint and to conserve and protect biodiversity and ecosystems, adding to the fight against climate change. For all these reasons, today's mining is moving towards green and sustainable spheres.



COMMITTED

The social responsibility of companies is focused on their commitment to the environment, generating value and well-being for the towns close to where they operate. Mining companies create wealth and quality jobs in the regions where they are based, since their presence means the arrival of great economic opportunities and the development of infrastructures. Thus, the companies promote the hiring of local suppliers and companies, design programmes of a social, cultural, educational and training nature, and favour local employment and the development of the nearest businesses. A particularly positive impact for rural Spain, which concentrates 80% of the deposits of essential minerals, making mining one of the sectors with the greatest potential to generate new opportunities for "Emptied Spain".

SAFE

The workers' safety and health are utmost priorities for the mining sector. Companies in the sector always promote a culture of prevention that ensures adequate working conditions, while designing rigorous safety strategies to identify, communicate and manage risks applicable to all workers. All of that, added to the unprecedented effort made by the sector due to the COVID-19 pandemic, has allowed companies to reduce and improve their accident rates in the last few years, making mining a safe activity full of guarantees where the latest technologies and most complete safety standards are used.

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Promotion



Organisation:



Collaboration:

