



Cupru Min SA Abrud 40 Years of Business Operation

Friday, May 19, 2017, Cupru Min SA Abrud celebrated 40 years of business operation.

The event, held in Abrud (Alba County), started off on Friday morning with an anniversary symposium, attended by former and current members of the company's management, as well as representatives of the Ministry of Economy and local officials.

The following speakers took the floor: Simona Țeighiu-Jurj – State Secretary in the Ministry of Economy; Senator Alexandru Pereș; Dănuț Hălălai – Alba County Prefect; Dumitru Fulea, Vice President of Alba County Council; Sorin Bumb, Ioan Dîrzu, Corneliu Olar – Alba Deputies; Gheorghe Chindriș, Romeo Jantea, Radu Roșca and Radu Coșarcă – members of Cupru Min SA Abrud Board of Directors; Nicolae Simina and Silviu Ponoran – Mayors of Abrud and Zlatna, and others. In the second part of the symposium, coordinated by Manager Gheorghe Chindriș, representatives of the University of Petroșani, the Technical University of Cluj Napoca – Baia Mare Subsidiary, IPROMIN București, CEPROMIN SA Deva and INMR București presented research projects and topics of current concern.

Research projects and topics of concern

University of Petroșani:

Mining of valuable minerals from historical mine-waste sites by hydrometallurgical/biometalurgical methods – EMBLeM- authors: Prof. Eng. Victor Arad, PhD, Prof. Eng. Susana, PhD, Arad, Lecturer Eng. Eugen Traistă, PhD; Eng. Gheorghe Chindriș, PhD, Eng. Cornel Mera, Eng. Cătălin Șoit - Cupru Min SA Abrud.

The Technical University of Cluj Napoca – Baia Mare Subsidiary: Opportunities of Scientific Collaboration between Baia Mare Academia and Cupru Min SA. Authors: Prof. Eng. Ioan Bud, PhD, Prof. Eng. Simona Duma, PhD, Assistant Professor Eng. Dorel Gușat, PhD, Assistant Professor Eng. Iosif Ioan Pașca, PhD.

IPROMIN București:

Presentation of projects regarding the environmental issues of Cupru Min SA. Searching for Solutions for the Improvement of Waters Flowing into Arieș River. Authors: Eng. Geologist Doina Berchiniș, Eng. Neamțu Gabriel, Eng. Milau Dracea.

CEPROMIN SA Deva:

Cupru Min SA Abrud - Society Evolution and Development Process Ultimate Solution for the Resolution of Iazul Valea Șesei Environmental Issues. Authors: Eng. Florica Auner, Eng. Nicodim Halmagiu, Eng. Paul Mircea, Eng. Gheorghe Adrian Codrean.

INMR București:

The Importance of Creating Copper Concentrates Processing Capabilities in Romania Author: Eng. Teodor Velea, PhD.





About Cupru Min SA.

Cupru Min S.A. Abrud was founded in 2002, by separation from the Minvest Deva National Company, the successor of the Mining Facility of Roşia Poieni, founded in 1977.

The company is subordinated to the Ministry of Economy, Trade and Business Environment and holds mining rights over approx. 60% of Romania's natural copper reserves.

In 2016, the company achieved an unprecedented record production of copper concentrate (39,000 tons). Currently, Cupru Min S.A. Abrud has 540 employees. The deposit is located on the administrative territory of Lupşa Commune, Alba County. It has the shape of a 1,200m tall vertical body and the horizontal section elliptically shaped, with sizes of 600 m and 800 m. The usable portion of the deposit consists of copper minerals, amounting to more than 1 milliard tons, with 0.36% Cu and 1.8% S content.

Cuprumin S.A. Abrud is the only manufacturer in the country specializing in mining of non-ferrous ores, preparation of copper minerals and recovery of copper concentrate and precious metals.

The deposit is mined on the steps of the pit, downward on the length of the step of 15m, by means of $\Phi 250$ mm boring equipment, firing explosives, loading by excavators, wheel loaders and transportation by dump trucks.



Top Management



Nicolae
TURDEAN



Gheorghe
CHINDRIŞ



Norin
POPESCU



Valentin
MUDURA



Cătălina
MIKLO



Eugen
SCHVARTZ

Board of Directors



Radu
ROŞCA



Remus
VULPESCU



Gheorghe
CHINDRIŞ



Romeo
JANTEA



Radu
COŞARCĂ



Technological Flow at Roşia Poieni Pit

The mining technology covers:

- Drilling boreholes;
- Rock breaking with explosives;
- Loading the mining output by dump trucks;
- Pushing the sterile waste to the waste heap;
- Depositing sterile waste in the following waste heaps: Obârşia Muntari, Valea Cuibarului and Geamăna.

The technological flow of Dealul Piciorului Preparation Plant:

- Primary crushing with gyratory breaker;
- Ore transportation by conveyer belts;
- Two-step wet grinding with semi-autogenous mills and balls;
- Differential flotation;
- Concentrate thickening;
- Concentrate filtering;
- Water recovery from waste thickeners;
- Waste transportation to decantation ponds: Valea Şesei (main pond), Valea Ştefancei I (failsafe pond), Ştefancei II (failsafe pond).

Technological Flow Upgrading

The investment programs for the coming years include the works and equipment proposed for the re-technologization of the production flow. The improvement of production capabilities is intended to increase production output, to reduce the number of operators, to cut down specific consumption rates, to increase revenues, to save costs and to boost economic profitability.

The main works and equipment proposed for the modernization of the technological flow are:

- Plant for metal recovery from acid waters;
- Flotation line fitted with automation equipment;
- Variable speed drive for the electric engine of the autogenous mill, including improvement of the technical room.

Environmental Protection

Environmental protection is one of the main responsibilities of any mining company. The Environment Management System includes the following elements:

- The treatment of waters flowing into Arieş through modern methods, to achieve normal parameters;
- Personnel training and raising awareness on the importance of environmental protection;
- Neutralization of acid waters through lime dosing, in the installation made in the preparation plant;
- Collection of the waters at the base of waste heaps, to ensure their stability;
- Stability monitoring and permanent discharge of waste heaps waters.

Portfolio

Creating a solid team, building organizational culture, focusing on team communication were the chief factors which led to success. The company's strengths are:

- High volume of copper ore reserves;
- The human resource;
- Availability of an outlet;
- Proper ratios in business dynamics, by observing the fundamental correlations between the main economic indicators;
- Active involvement of the management in overall and specific management modernization.

Cupru Min S.A Abrud is a benchmark in the Romanian mining industry, with tradition and expertise in the mining of copper minerals. During the past 5 years, our company received many awards and prizes from the Chambers of Commerce and Industry in Romania, as well as from Alba County.

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