

## Technip to provide Dorr Oliver FluoSolids® roasting system for KGHM in Poland

*Group's technology and proprietary equipment will help increase copper production at KGHM's smelter*

Technip was awarded a contract by KGHM<sup>(1)</sup> to provide engineering and procurement services for a 480 metric ton per day Dorr Oliver FluoSolids® roaster system for the Glogow I Copper Smelter Optimization Project in Glogow, Poland.

Based on Technip's proprietary technology, this system will include the roaster, dry concentrate feeder and calcine cooler. These components will remove organic carbon and sulfide sulfur from copper concentrate. This will reduce smelter emissions and improve copper production at the site. The system also includes in-bed steam coils for cogeneration of electricity.

In addition to proprietary technology and equipment, Technip will provide erection supervision, commissioning, startup and training assistance to KGHM.

Technip's operating center in Claremont, California, USA, will execute the project, which is scheduled for completion in 2017.

Stan Knez, President, Technip Stone & Webster Process Technology, commented: *"Technip's extensive experience in roasting technology along with our proven ability to meet a demanding schedule makes us uniquely qualified for this important project."*

With more than 70 years of experience with the Dorr-Oliver FluoSolids® technology, Technip is a leading provider of fluidized bed equipment and systems for metallurgical roasting, calcining and drying, waste combustion and other diverse applications. The technology has been part of Technip's portfolio since 2000. Other recent installations include the Koniambo Nickel in New Caledonia and Vale's Copper Cliff smelter in Ontario, Canada.

<sup>(1)</sup>KGHM is a geographically diverse mining company, with operations on three continents. It is one of the world's leading producers of copper, silver and other metals. For more information, visit [www.kghm.com](http://www.kghm.com)

### Fast Facts

- **Roasting:** roasting is a metallurgical process involving gas-solid reactions at high temperature, often carried out in fluidized bed reactors such as Technip's FluoSolids units.
- **Dry concentrate feeder:** Technip equipment that delivers dry concentrate into the FluoSolids roaster; proper dry concentrate delivery is required for stable operation and ideal calcine quality.
- **Calcine cooler:** removes excess heat from hot calcine that may incorporate Technip's heat recovery equipment for power generation, pre-heating and drying.

**Learn more on Technip's Dorr Oliver FluoSolids® Technology:**

[http://www.technip.com/sites/default/files/technip/fields/publications/attachments/dorr-oliver\\_fluosolids\\_february\\_2016.pdf](http://www.technip.com/sites/default/files/technip/fields/publications/attachments/dorr-oliver_fluosolids_february_2016.pdf)

Technip is a world leader in project management, engineering and construction for the energy industry.

From the deepest Subsea oil & gas developments to the largest and most complex Offshore and Onshore infrastructures, our 36,000 people are constantly offering the best solutions and most innovative technologies to meet the world's energy challenges.

Present in 48 countries, Technip has state-of-the-art industrial assets on all continents and operates a fleet of specialized vessels for pipeline installation and subsea construction.

Technip shares are listed on the Euronext Paris exchange and traded in the USA on the OTCQX marketplace (OTCQX: TKPPY) as American Depositary Receipts.



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