

Solvay to showcase latest innovations in solvent extraction technology and new digital offering at Hydroprocess 2018

Saddle Brook, NJ, June 15, 2018 – Solvay will share its latest developments in solvent extraction (SX) technology during Hydroprocess 2018 at Hotel Santiago in Santiago, Chile. Part of the Technology Solutions global business unit, Solvay Mining Solutions, will join other industry experts at the annual seminar focused on innovations in hydrometallurgical processes for metal and mineral extraction.

Pushing the boundaries of solvent extraction

“We are excited to present our latest developments to address challenges in hydrometallurgy,” explained Laurent Cohen, Global Marketing Manager, Metal Extraction Products. *“We continue to push the boundaries of SX by applying our reagents, broad extractant chemistries and modelling capabilities to new target elements.”*

Solvay developed the CYANEX® family of extractants to provide the mining industry with an effective method for separating nickel/cobalt, molybdenum, rare earths, uranium, and various other metals. CYANEX® 600 is a new alternative to amine-based extractants with higher selectivity to molybdenum, lower base consumption and better physical performance. Solvay also offers CYANEX® 572 for the extraction and purification of rare earth elements with benefits including acid savings and high selectivity for heavy rare earth metals.

Solvay also leads the way in applying SX to a range of new metals, such as lithium and zinc. In lithium extraction for instance, SX helps operations achieve cost and sustainability benefits over the traditional time- and resource-intensive evaporation process. *“For a given project or operation, Solvay provides not only the extracting reagent, but a complete package, which includes application support, technical service and modelling capabilities. This is how we help our customers extract more value,”* Laurent added.

Solvay’s experts will deliver a series of presentations focused on topics such as molybdenum recovery, crud mitigation, and improving organic quality through clay treatment, among others.

New digital process analysis service enables quicker operational decision making

New to the market is Solvay’s digital process analysis service. *“With this service, Solvay makes its technical expertise directly accessible to its customers, enabling them to make more informed decisions, faster,”* explained Matt Davis, Global Business Director, Metal Extraction Products. He added, *“Via a digital app, Solvay provides recommendations delivered instantly based on the customer plant’s real-time data analysis. The service enables users to better troubleshoot and optimize the plant, maximizing production and/or reducing operational costs. We are eager to discuss the technology with mining operations interested in trials.”*

To learn more about Solvay’s solvent extraction portfolio and capabilities, visit booth number 5.

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About Solvay Technology Solutions

Solvay Mining Solutions is a part of the Solvay Technology Solutions global business unit (GBU). Solvay's Technology Solutions GBU incorporates the Mining Solutions, Phosphorus Specialties, and Additive Technologies business lines. The combination of these businesses affords an opportunity for each business to maintain its unique leadership role while creating a strong, synergistic organization built with a team of experienced professionals focused on customer collaboration and intelligent innovation.

About Solvay

Solvay is an advanced materials and specialty chemicals company, committed to developing chemistry that addresses key societal challenges. Solvay innovates and partners with customers worldwide in many diverse end markets. Its products are used in planes, cars, batteries, smart and medical devices, as well as in mineral and oil and gas extraction, enhancing efficiency and sustainability. Its lightweighting materials promote cleaner mobility, its formulations optimize the use of resources and its performance chemicals improve air and water quality. Solvay is headquartered in Brussels with around 24,500 employees in 61 countries. Net sales were €10.1 billion in 2017, with 90% from activities where Solvay ranks among the world's top 3 leaders, resulting in an EBITDA margin of 22%. Solvay SA (**SOLB.BE**) is listed on Euronext Brussels and Paris (Bloomberg: **SOLB.BB** - Reuters: **SOLB.BR**) and in the United States its shares (**SOLVY**) are traded through a level-1 ADR program.

Ron Sausa

Technology Solutions GBU
Global Marketing
Communications Manager

+1 973-357-3135