

TAKRAF at IPCC Event in Chile

On April 26-27, TAKRAF's experts participated at International Mining's IPCC event in Chile to present the company's latest technologies in mining planning and IPCC systems.

With the mining industry mood picking up, the level of interest in In-Pit Crushing and Conveying (IPCC) solutions is again increasing, and the South-American market plays a key role in the industry. For this reason, International Mining Events held its fifth IPCC conference in Santiago, Chile, on April 26-27. Crushing & conveying experts from TAKRAF had the opportunity to take part in the event and present the company's know-how, expertise and solutions to a high-profile audience of over 120 participants, including potential clients and other relevant stakeholders. On this occasion, Christian Cavagnaro, TAKRAF Managing Director Chile, and Robert Ritter, TAKRAF Mine Planning Engineer, presented a paper entitled Reliability and Capacity Determination of Semi-Mobile IPCC (or SMIPCC) Systems, which will soon be released publicly.

As ore grades decline, waste rock to ore ratios increase and mines become progressively deeper - mining operations are facing greater challenges in ever-more complex scenarios. Despite various rationalization efforts, material transportation costs have increased significantly over the past decades and currently account for up to 60 % of overall mining costs. Thus, considerations and efforts to reduce overall mining costs, promise highest success when focusing on the development of more economic material transport methods. "The paper has the objective to develop a structured method for the determination of an appropriate IPCC system that incorporates the

random behavior of system elements and their interaction”, affirmed Ritter. “This method is based upon a structured time usage model specific to IPCC systems supported by a stochastic simulation”.

A further paper, delivered by Walter Küng of TAKRAF USA, presented various Semi-Mobile IPCC Systems, which found interest among many attendees. This was demonstrated by the subsequent intense question and answer session. The topic represented viable, safe and decreased fossil fuel dependent alternatives in comparison to other material handling systems. The presentation elaborated on various configurations of fixed, semi-fixed, semi-mobile and fully mobile crushing station designs. It analyzed capital and operating costs for each and determined "break-even" scenarios, all based on high altitude South American conditions.

TAKRAF successfully demonstrated their in-depth knowledge and expertise by both scientifically determining the reliability and capacity of in-pit crushing systems, as well as highlighting the extensive experience in designing, supplying, constructing and commissioning of such systems in various parts of the world and under variable and extreme operating conditions.

For further information, visit: www.takraf.com

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TAKRAF, a Tenova Group company, is an integrated solutions provider to the global mining, bulk material handling, minerals processing and beneficiation industries, offering innovative technological solutions as well as process and commodity knowledge along the industry value chains. With the integration of the well-known DELKOR and Tenova Advanced Technologies (formerly Bateman Advanced Technologies) brand of products into TAKRAF as specialized product lines, our portfolio for the minerals processing and beneficiation sectors has been considerably enhanced.

Images:



Image-ID: IPCC Konferenz.jpg

Caption: On April 26-27, TAKRAF's experts participated at International Mining's IPCC event in Chile to present the company's latest technologies in mining planning and IPCC systems.

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