

In brief...

FLSmidth appointed Mikko Tepponen as its new Chief Digital Officer in June, with the aim of accelerating both the digital transformation of its own business and its portfolio of digital offerings aimed at optimising customer operations in the mining industry. For Tepponen there is a strong link between digitalisation and sustainability (see Pages 12-13).

www.flsmidth.com

The Port of Felixstowe, like other major container ports worldwide, is still experiencing a spike in container volumes and dealing with the consequences of the ongoing Covid pandemic. Also, it has had a high number of slow-moving containers of PPE occupying storage space. The current high volumes will last at least into December.

www.portoffelixstoweco.uk

Metso Outotec and Boliden have signed an extension of their service contract for Boliden's Aitik copper mine in Gällivare, Northern Sweden. The 3+2-year extension of the Life-Cycle Services agreement covers the supply of mill lining, chute lining solutions, preventive maintenance of the grinding circuit and recycling of used wear parts.

www.mogroup.com

Dundee Precious Metals is to invest up to C\$ 7 M with Velocity Minerals gold exploration and development firm. Velocity has a 70% interest in the Tintyava prospecting licence (Rozino gold project) and several other gold project option agreements, all in southeastern Bulgaria. DPM is expected to own 9.99% of Velocity's common shares at TX close.

www.dundeeprecious.com

Aurubis AG and TSR Recycling GmbH have signed a JV to unite the cable dismantling activities of Aurubis subsidiary Cablo Metall-Recycling und Handel GmbH, Fehrbellin and those of the TSR site in Gelsenkirchen for recovery of copper granules and plastics. TSR will hold 60% of the JV Cablo GmbH as a partner and manage its operations.

www.aurubis.com

Atalaya Mining has approved a EUR 1 million feasibility study for finalisation in 2021 to evaluate production of over 10 ktpy copper cathodes at Proyecto Riotinto using the zero emissions E-LIX System owned by Lain Technologies Ltd. A successful 5 tpd pilot plant has been operating to provide data to steer the construction of an industrial scale plant.

www.atalayamining.com

Continuous FRHC growth for Properzi

Italy's Continuous-Properzi has initiated two FRHC Copper Plant contracts. The first one, for the production of 150 t/day of copper ingots from scrap, is equipped with a Reverberatory Refining Furnace, and the second one, for the production of 20 t of refined molten copper from scrap in one shift, is equipped with a Vert-Ref Furnace set. Continuous-Properzi is the only company with 35 plus years of experience in supplying furnaces, casting lines and refining technology to recycle copper scrap into rod, ingot or billet/slab. In the FRHC Copper field, Continuous-Properzi can offer several different



Continuous-Properzi copper ingot bundles

solutions, and of varying sizes, for processing a wide range of classified copper scrap and is able to deliver complete systems including knowhow, hardware, and ancillaries.

The first system includes a Reverberatory Furnace for low

quality scrap that is charged from the top according to a Properzi patented system. The furnace serves a wheel and belt casting line complete with stacking and strapping systems to form ingot bundles weighing up to three t comprised of 25 kg ingots to be remelted in house.

The second project is centred on a vertical shaft furnace followed by refining chambers and one holding/reduction rotary furnace. The Vert-Ref Furnace set will be fed with scrap having a copper content $\geq 97\%$. Both plants will be delivered within the 2020 calendar year.

www.properzicom

Largest rod mill gains final acceptance

The new SCR 9000 copper rod mill produced by Primetals Technologies is the highest capacity ever supplied to Southwire Company LLC, for operation by Jiangxi Copper Company

To expand its production capacity, Jiangxi Copper Company contracted with Southwire Company, LLC, of Carrollton, Georgia, USA, for an SCR 9000 copper rod mill including shearing, rolling, and coiling equipment supplied by Primetals Technologies. This is the first mill to achieve 54 tonnes per hour, the highest capacity system ever supplied by Southwire. It was installed in Guangdong Province in China, and recently received a final acceptance certificate after passing all performance guarantee tests. Primetals Technologies was responsible for engineering, manufacturing and commissioning the shearing, rolling, and coiling equipment for the SCR 9000, which produces electrolytic tough pitch (ETP) copper rods for electrical wire and cable applications. The contract included an optimised roll pass for minimum tension rolling (MTR) to increase roll life and deliver superior diametrical tolerances.

Primetals Technologies supplied two roughing mills, one with a

457 mm stand and the second with four 305 mm stands, a 610 mm entry shear and table, a 320 mm intermediate rotary shear and table, an eight-stand finishing mill with independently driven stands, lubrication systems, guide equipment, a pickling line, two pinch rolls, a rod circumferential wax applicator, a rollerised turndown, coiler and a fully automatic recirculating conveyor system for the Southwire-supplied automatic coil weighing, pallet destacking, compacting and strapping, and stretch wrapping. The mill now runs 54 t per hour for an annual capacity of 353,000 t and is designed to produce 8, 9.5, 12.7, 16 and 18 mm diameter rods. This is the third copper rod mill supplied to Southwire by Primetals Technologies for Jiangxi Copper Company. Primetals Technologies has built more than 120 non-ferrous mills and completed about 40 upgrades for Southwire's SCR Technologies customers over the past 50 years.

www.primetals.com

UrbanGold appearance and portfolio evolve

Green recycling innovator UrbanGold positions itself as a holistic partner in the circular economy of e-waste recycling. In the course of joint project development, feasibility and market studies are offered, different recycling technologies are evaluated and assistance in the preparation of business plans is provided. Furthermore, UrbanGold offers to completely organise, implement, and monitor projects with their customers. In addition, a new website appearance underlines the evolution and mission of UrbanGold.

www.urbangold.at

SMS group adds in extrusion and forging

Italian companies OMAV, a supplier of aluminium extrusion lines, and press manufacturer Hydromec have been acquired by SMS group to consolidate its technology leadership in mechanical and plant engineering. SMS group is able to supply complete extrusion lines and forging plants with all upstream and downstream equipment and process technology from a single source. The two new SMS group companies, located in Brescia, will continue to operate on the market under their own names as subsidiaries of SMS. OMAV S.p.A. has been a wholly owned subsidiary of SMS group since the end of September 2020, with OMAV acquiring 70 percent of Hydromec S.R.L. shortly afterwards. The latter firm specialises in the engineering and construction of forging presses and ring rolling mills for the hot forming of brass, aluminium, and steel.

www.sms-group.com
www.hydromec.it