

FOR IMMEDIATE RELEASE

FLSMIDTH SUPPLIES CLARIFIER-THICKENER AND FILTER PRESS FOR MUFULIRA SMELTER IN ZAMBIA

Mining and minerals processing equipment manufacturer FLSmidth is in the process of delivering an EIMCO®-Clarifier-And-Thickener (E-CAT®) and a Shriver® filter press to Mopani Copper Mines in Zambia for its Mufulira Smelter. The equipment removes and dewateres dust particles from the water system.

Ricus van Reenen, Sales Manager: Products at FLSmidth, explains that FLSmidth's E-CAT® technology, which boasts no moving parts at all, combines optimised flocculation, high rate clarification and high density in a single compact unit. It streamlines liquid-solid separation flow sheets by optimising chemical settling aids and providing a dedicated escape route for displaced free liquid.

The fact that there are no moving parts translates into a lower cost and lower energy consumption, meaning reduced maintenance in the long run. The E-CAT® also has a smaller surface area than conventional thickeners, and therefore a smaller footprint that optimises space on constrained sites, particularly in remote locations in Africa.

In addition, the self diluting feed makes for optimal flocculant utilisation, while no external dilution pumps are necessary either. Good overflow clarity means that effluent can be re-used, while the dense underflow cuts down on the energy needed for drying. The smaller ponding area necessary also means a reduced handling volume.

"FLSmidth has a deep history in terms of dewatering technology, in addition to having the biggest reference base by far in terms of equipment installed. We also have the largest range of filtration equipment on the market.

"It is this combination of technology and innovation, combined with our value-added services, that allow us to offer 'One Source' total solutions for our mining clients," van Reenen concludes.

MUFULIRA SMELTER PIC 01: FLSmidth has supplied an Eimco Clarifier and Thickener (E-CAT®) to Mopani Copper Mines in Zambia for its Mufulira Smelter.

MUFULIRA SMELTER PIC 02: FLSmidth's Eimco Clarifier and Thickener (E-CAT®) technology removes and dewateres dust particles from the water system at the Mufulira Smelter.

MUFULIRA SMELTER PIC 03: FLSmidth's Eimco Clarifier and Thickener (E-CAT®) boasts no moving parts at all.

MUFULIRA SMELTER PIC 04: FLSmidth's Eimco Clarifier & Thickener (E-CAT®) combines optimised flocculation, high rate clarification and high density in a single compact unit.

MUFULIRA SMELTER PIC 05: FLSmidth also supplied a Shriver® filter Press to Mopani Copper Mines in Zambia for its Mufulira Smelter.

MUFULIRA SMELTER PIC 06: FLSmidth's Shriver® filter press is an industrial grade heavy-duty machine, designed for long life, low maintenance, easy operation and cost-effective filtration.

MUFULIRA SMELTER PIC 07: FLSmidth's Shriver® filter press is ideal for liquid-solid filtration, with more than 30 000 presses installed globally to date.

ENDS ... FEBRUARY 2015

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