CUSTOMISED SCREEN AND FEEDER SOLUTIONS FOR CUSTOMERS

Specialist vibrating equipment manufacturer and supplier Joest Kwatani continues to demonstrate its capacity to provide turnkey screening solutions to the mining sector. A recent contract saw the company providing design, engineering, fabrication and delivery of a range of vibrating screens and feeders to a manganese mine in the Northern Cape.

"Our equipment is designed specifically to perform in heavy duty applications such as the manganese sector, where in this instance the feed rate is 900 tph," Kim Schoepflin, managing director of Joest Kwatani, says.

"In this recent contract we adopted our 'engineered excellence' approach to meet specific customer specifications. None of the equipment we supplied was off-the-shelf, as the requirement was for bespoke, custom designed elements specifically for the project. Our involvement extended to assisting the EPCM contractor with the underpan, feed and discharge chute designs whereby we used their layouts to accommodate our screens and to indicate any interference points, in addition to providing our input into good operating procedure," Schoepflin says.

Joest Kwatani's scope of work necessitated additional infrastructure to support future requirements. The company's cope of equipment supply comprises a sizing screen, a secondary screen, a large tertiary screen, a tertiary screen counter-balance sub frame and four silo withdrawal feeders.

Schoepflin explains that the tertiary screen is one of the largest of its kind supplied into this type of application. "It will be supplied complete with a counter-balance frame, which isolates the structure from the dynamic and static loading forces imparted by the vibrating screen. This allows us to design vibrating equipment that is more efficient and offers the customer a longer lifespan."

The Joest Kwatani screens were customised to match the exacting metallurgical requirements of the client's processes and the associated mechanical duty. "An interesting fact about this custom designed tertiary screen is that it has a fine cut size of high open area 0.63 mm in panels, and affords the customer the necessary efficiency and capacity requirements," Schoepflin says.

Following delivery, Joest Kwatani would be on hand to assist with installation through to cold and hot commissioning. In addition, Joest Kwatani has a dedicated team comprising a branch manager, project engineer, safety officer and a number of service and maintenance personnel based at its Kathu branch office in the Northern Cape, with complete office, warehouse and spares stockholding facilities. Joest Kwatani also supplies vibrating equipment to various manganese and iron ore operations in the area, and as a result has established a solid track record in the Northern Cape.

Joest Kwatani is a locally owned and operated OEM that designs and fabricates vibrating screens and feeders in-house. It has a 39-year track record of developing and supplying the African mining bulk materials handling market. Joest Kwatani's technology is characterised by its robustness and longevity, tailored to the customers' specific application and processing needs in the harsh and demanding African mining industry.

With thousands of installations throughout the continent, Joest Kwatani's machines are engineered to lower the total cost of ownership. These are commonly found in mineral sands, coal, gold, diamond, platinum, iron ore and manganese operations, with 24/7 customer service provided by the company's service centres and branch network in all the major mining areas, supported by an experienced in-house design and technology team and state-of-the-art manufacturing facilities across Joest Kwatani's 17 000 m^2 site area in Spartan, providing customers with common point of references for all their vibratory equipment needs.