

FOR IMMEDIATE RELEASE

Increased Interest In Slurrysucker To Optimise Water Storage

Sediment in process ponds and reservoirs is a serious concern, especially with the current drought conditions that are afflicting South Africa. Lee Vine, managing director of Integrated Pump Rental, says severely silted up process water dams and ponds negatively impact the water storage capacities on a plant or mine, and affect all downstream processes.

“Use of water resources need to be optimised and a greater focus must be directed to desilting water storage facilities. We have started to see this happening and there is an increased interest from the market for our SlurrySucker,” he says.

Launched less than twelve months ago, the innovative SlurrySucker Dredge Unit is capable of extracting high tonnages of silt and built-up sediments at a fraction of the money required to shut down downstream and upstream processes to clean out these types of water storage facilities.

Available on either short or long-term hire contracts, or as an outright purchase, the SlurrySucker is simple to use and two standard units are available. The SlurrySucker Mini is capable of extracting 120 m³ per hour of slurry/water mixture, equating to 30 to 40 dry tons per hour, while the larger SlurrySucker Maxi will remove between 70 to 80 dry tons per hour. The SlurrySucker Mini has a 100 mm discharge and the SlurrySucker Maxi has a 150 mm discharge.

The SlurrySucker Dredge Units are manufactured using locally produced components and incorporate pumps from the respected Grindex slurry and dewatering range. During the development of the innovative dredging system use was made of computational fluid dynamics (CFD) to optimise and validate the design. “This gives customers absolute peace of mind, as does the track record of the units which are currently in operation,” he says.

Engineered as a robust, compact dredging unit, the SlurrySucker Dredge Unit can be easily transported on a standard road trailer, making it simple to move from pond to pond on a mine site. The units are engineered to be operated by a single person and where the necessary manpower is not freely available Integrated Pump Rental undertakes the pond or dam cleaning on a turnkey contract basis.

Vine says that Integrated Pump Rental has the necessary technical skill to ensure that the pump selection matches the dredging operation requirement, and it could include either Grindex dewatering pumps where agitation of the slurry is required, or Grindex slurry pumps where there is a need to remove slurry from ponds or dams.

Another very significant advantage is that the SlurrySucker Dredge Unit can be used on plastic lined dams without any damage to liners. This is very important from an environmental perspective as there is no risk of the liner being cut and water leaking out.

Integrated Pump Rental offers a full pump rental services that includes Grindex submersible drainage and dewatering pumps, diesel-driven pumps and accessories. In addition, value-add services such as dam cleaning and pontoons, pump flotation modules and pipe floats are available. All products used by Integrated Pump Rental are ISO 9001 certified. Full technical advice on the most suitable pump for specific applications is provided by its experienced team.

OPTIMISING WATER STORAGE PIC 01 : Lee Vine, managing director of Integrated Pump Rental, says there is an increased interest from the market for the SlurrySucker Dredge Unit.

OPTIMISING WATER STORAGE PIC 02 : The innovative SlurrySucker Dredge Unit is capable of extracting high tonnages of silt and built-up sediments at a fraction of the money required to shut down downstream and upstream processes.

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FROM : CORALYNNE & ASSOCIATES
TEL : +27 011 849 3142
EMAIL : communicate@coralynne.co.za
WEBSITE: www.coralynne.co.za

FOR : LEE VINE
INTEGRATED PUMP RENTAL
TEL :+27 72 627 6350
EMAIL : lee@pumprental.co.za
WEBSITE: www.pumprental.co.za