

World First?

DE HOLLANDSCHE YSSEL INTERNATIONAL is building what it describes as a revolutionary new CSD for Belgian contractor Ghent Dredging

The vessel's a type DHI 5020-C and, according to Netherlands-based **Hollandsche Yssel**, it will be the most powerful completely dismountable cutter suction dredger in the world.

It will be equipped with a 1,119kW Caterpillar 3512 main engine and a 447kW Cat C18 auxiliary. Together with its generator set, that will give the vessel total installed power of over 1,600kW, with power on the cutter rated 250kW.

Remarkably, the complete dredger can be dismantled in 12 units, of which the largest weighs no more than 32 tonnes, making it perfectly suitable to be transported over land. Its cutter ladder's composed of three sections with the main engine installed on the upper part, the pump in the middle and the cutter at the end. Suction pipe diameter is 500mm. And in this configuration, the CSD's able to dredge to a depth of 20m.

The cutter ladder sections are built in such a way that it's not necessary to assemble it completely before hoisting it on to the vessel. Each section can be hoisted individually on to the already floating dredger and subsequently assembled – avoiding the need for a 100-tonne capacity crane to lift the complete ladder.

IN ADDITION

The dredger will be equipped with state-of-the-art systems for accurate dredging plus a system to continuously send vital information (dredging process/condition of the engines etc) to Ghent Dredging's Ghent HQ over a simple telephone line.

The contractor's worked mainly in Belgium, the Netherlands, France and the UK over the past 35 years, but its scope of work has gradually increased and also covers dry earthmoving, road works and soil remediation. The new dredger, scheduled for delivery in the second half of 2009, will be a highly welcome addition to the fleet, enabling Ghent Dredging to carry out difficult dredging jobs in remote areas that can only be reached by road.

More info at
www.hollandscheijssel.nl +
www.ghentdredging.be



Artist's impression
of the new CSD