According to Mr. Geert Van Mulders and Mr. Roger Decorte from Herbosch-Kiere the benefits of the E-Dredger* include “the low cost per ton and the flexibility of travelling under bridges with the barge that offer us an economic advantage over our colleagues as well as an environmental friendlier alternative over traditional rope cranes and excavators”.

The new E-Dredger* features the renowned E-Crane equilibrium principle for smooth, efficient, energy saving operation in a multitude of dredging and related applications. These include sites where E-Crane customers typically operate, such as piling, ship salvaging, heavy demolition with dynamiting, classic dike works, construction of breakwaters, quay construction, land reclamation, and beach and embankment preservation.

Recently, an E-Dredger* was installed onto a self-propelled spud barge for our client Herbosch-Kiere (part of the group Eiffage) in Kallo, Belgium. The 1500B Series, model 10290 E-Dredger* has a horizontal reach of 29 meters, a lift capacity of 14 tons and a dredging depth of more than 18 meters, and will be mainly used for dock, lock and port maintenance jobs. The dredging ship ‘Albatros’ is operated by Dutch water engineering company N. Kraaijeveld B.V. (also part of the group Eiffage), has started operation in the Port of Rotterdam in 2009, and will start work in the port of Zeebrugge in 2010.

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"The E-Dredger*: offering a green and cost efficient alternative for maintenance dredging operations."
The all electric E-Dredger operates on only 225 kW: a ‘green’ economic advantage

**SPECIAL FEATURES**

- Hydraulically adjustable operator cab for optimum visibility
- Minimum tail swing: an operation radius of less than 7.5m (25ft)
- Crane monitoring system:
  - Remote access connection for trouble shooting and reporting
  - Integrated dredging software for visualization and guidance
- Low construction height for maximum mobility under bridges and overhead obstructions
- Built for easy disassembly and re-assembly
- Special stick design: unique open construction eliminates buoyancy problems and improves placement accuracy
- Energy saving operation:
  - The unique balanced counterweight design keeps the boom, stick and grab in a near perfect balance in all positions
  - The all electric E-Dredger operates on only 225 kW: a ‘green’ economic advantage
- Under water application:
  - Grab rotator, load cell and all connections are designed and fitted for (under)water applications
  - The lubricating greases are designed for underwater applications
- Automatic E-Dredger superlift mode helps reduce the need to discharge material from an overloaded grab when exiting the water, eliminating spillage of potentially contaminated silt: another ‘green’ advantage
- The superior balance of the E-Dredger permits mounting on virtually any type of barge