



European Union



European Regional Development Fund

The activities mentioned below are made possible by the European Union

For more information about the funding program:

www.op-oost.eu

Development Permanent Magnet submersible motors

receives government funding for the following activities:

Marotechniek developed a 500kW PM submersible motor and built a test model for determining reliability and energy saving.

The goal was an energy saving of 1,5% in comparison with regular AC motors.

After several test were carried out with our Emotron frequency inverter equipped with PM-software, the PM motor was ready for a field test. Mounted on a dredger mechanical and software adjustments were made and measurement software is installed.

The PM motor was then tested and monitored for four months and as of the 4th of October 2015 the PM motor runs without any problems and to full satisfaction.

Both the lab tests as well as the field test shows an energy saving, exceeding expectations.

This development enables Marotechniek to supply submersible motors for dredging applications to 2500kW.

The operational program (OP) EFRO Oost-Nederland is a funding program of the provinces Overijssel and Gelderland and works on structural reinforcements of the economy. Oost-Nederland applies the EFRO-resources to the stimulation of innovation and carbon lacking economy. The goal is that small companies increase their profit from new products.