

**Project scope:**

- ✓ Composing riskplan
- ✓ (Dis)assembly & transport
- ✓ Overhauling
- ✓ Repair
- ✓ Speed balancing
- ✓ Alignment on site

## Essent

Overhaul and repair of 14 MW waterpump

Essent, an energy company that provides gas, electricity and heat to consumers and businesses, ordered Bakker Repair + Services to replace the bearings of a 14 MW water pump onsite. Bakker Repair + Services discovered severe damage to multiple slide bearings and advised Essent to perform additional repairs.

**Plan of approach**

Essent requested that the water pump had to be fully repaired within the ongoing maintenance stop. All required repairs were inventoried and fitted in a plan of approach in order to realize a fast delivery time and a high quality.

**Repair in workshop**

Bakker Repair + Services disassembled the water pump on site and transported the machine to her workshop. All overhaul and repair jobs were executed here, after which the machine was transported back, assembled and aligned.

**Lassercladding**

What makes this project special is the fact that the mating surfaces are repaired by lassercladding.

This innovative technique furnishes objects with anti corrosion and anti wear layers. When lasercladding, the required heat levels are low, the process is very controllable and the added materials attach very well to the base material.

**Succesfull delivery**

Bakker Repair + Services successfully delivered the water pump turn key to Essent within the agreed time schedule and budget. This resulted in a successful production stop that went exactly according to plan.



**Do you have any questions?**

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