



## Suikerunie

Replica 15 MW generator

### Project scope:

- ✓ Composing risk plan
- ✓ Diagnostic measurements
- ✓ Transport
- ✓ Create core andhousing
- ✓ Speed balancing
- ✓ Alignment on site

Suikerunie relies on a 15 MW generator for the production of sugar for consumers and the food industry. Bakker Repair + Services provides Suikerunie insight in the condition of this machine by performing a diagnostic measurement yearly. This periodic measurement showed that the condition of the stator winding was badly deteriorated. Bakker Repair + Services advised the Suikerunie to rewind the complete stator.

### Disassembly for transport

The generator was disassembled on site and transported to the workshop of Bakker Repair + Services in which experienced rewinders work with the latest equipment.

### Core failure discovered in workshop

Upon arriving in the workshop the generator was given an extra thorough inspection which revealed a core failure. In close consultation with Suikerunie it was decided to build a replica of the housing and the core. This meant that the specialists of Bakker Repair + Services had to pile up 14.000 segments by hand.

### Plan of approach

All required Works were inventoried and fitted in a plan of approach in order to realize a fast delivery time and a high quality.

### Successfully delivered on time

Bakker Repair + Services built a replica of the housing and the core and rewound the stator in just 3 months time. The transport of the generator and the alignment on site were also carried out by Bakker Repair + Services. In this way Suikerunie did not have to worry about a successful completion of the project. The replica of the generator was successfully delivered turnkey on time within the agreed budget.



**Do you have any questions?**

Call: +31(0)184 41 05 55

Mail: [info@bakker-repair.nl](mailto:info@bakker-repair.nl)