

Rosenberry Hub Synchronous Motor Starter Hub

Quartzelec install the Rosenberry Hub, an updated replacement starter hub on a 6000kW Synchronous AC Motor for a petro chemical client in the Netherlands

ROSENBERRY HUB | PETRO CHEMICAL | THE NETHERLANDS

Our Customer's Challenge

The client faced a critical challenge in upgrading the starting hub for their K9100 6000kW Synchronous AC Motor. Replacing and upgrading their existing outdated Rotosyn hub required a modern solution with minimal disruption and modifications, whilst still maintaining compliance with the motor's ATEX certification, adhering to stringent operational and safety requirements. The Quartzelec Rosenberry Hub was the perfect fit, with its ATEX certification, enhanced reliability, superior performance, and cost-effective, modern design, which also incorporated the existing Rotoguard system, delivering a tailored solution that met the client's specific operational and technical demands.

The Quartzelec Solution

The outdated Rotosyn hub was removed and replaced with the new Quartzelec Rosenberry hub, which was successfully installed and commissioned with minimal modifications. Our team of experts redesigned the machine enclosure and created a new mount for the existing Rotoguard system, using detailed original machine data from its archives. A key advantage of the Rosenberry hub upgrade is the availability of spare parts, such as diodes and thyristors, which are readily available, unlike the now-obsolete Rotosyn hub components. Following the upgrade, the customer placed an additional order to secure strategic spares for the new Rosenberry hub, ensuring long-term operational reliability.

Key Benefits

- **Enhanced Reliability and Performance:** Superior performance and dependability
- **Compliance with ATEX Certification:** Full compliance with stringent ATEX operational and safety requirements
- **Readily Available Spare Parts:** Including diodes and thyristors
- **Seamless Integration and Minimal Disruption:** Installed and commissioned with minimal modifications, incorporating the existing Quartzelec Rotoguard system

ATEX
Compliant

Custom
Engineering

Spare
Parts
Available

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