



Since 1980, **Zeefax** has built an enviable reputation on its ability to provide excellent and reliable electrical and mechanical engineering services and solutions to the Drilling industry in many countries around the world.

This experience, combined with a well-trained, highly skilled and motivated multi-disciplined workforce, based at our own fully equipped manufacturing facility in the South of England, means that we are the one-stop-shop in the UK for all electro-mechanical projects, targeted mainly at the Drilling and associated sectors.

MAERSK GALLANT SCR Upgrade

As part of a major refurbishment project, **ZEEFAX** was commissioned to design and build a large SCR motor control system to be installed on the **MAERSK GALLANT** platform. Comprising 11 separate 1600A DC Drive cabinets and a PLC based control panel, the system is equipped to control up to 6 mud pumps, 3 draw-works motors and two top drives when fed from a 6000 A bus.



A key factor in the purchasing decision was the very limited space available for the installation of the new cabinets.

Zeefax worked closely with the end user to design and build a system with a *very small footprint*, and had to overcome a series of technical design challenges to fulfil the brief.

The high voltage bus bars were tightly packed into the small cabinets, necessitating careful positioning and design of the forced air cooling system.

Together with a full range of standard SCR control equipment, the system also includes field reversing on Draw-works A and on both Top Drives, and each control panel features a state-of-the-art Digital DC motor controller (DDC).

Zeefax designed and built all of these panels in our development and production facility based in Bracknell, England. Prior to shipment, a full series of factory acceptance tests were performed and witnessed by the customer, during which the quality of workmanship was especially praised.

Zeefax inc.

6049 Keller's Church Road, Pipersville, PA 18947
Tel: +1 215 230 5500
Email: ussales@zeefax.com

Zeefax Limited

320 King Street, London, W6 0RR, ENGLAND
Tel: +44(0) 20 8748 7808
Email: uksales@zeefax.com

DDC Motor Control

The all new feature packed DDC control module from **Zeefax** is the next generation module, and includes a comprehensive array of configurable parameters, making it suitable for all types of motors commonly found on board drilling rigs. The unit has been designed specifically with existing system replacement and upgrade in mind, being physically identical to older legacy units. This means that system upgrades are simple, and generally will not need extensive panel remodelling or wiring re-work.



Contact us

For all Hill Graham services and manufactured parts, **Zeefax** is now the preferred supplier worldwide, as well as providing a host of other related Drilling services including...

- ◆ Site Surveys and Field Service Support
- ◆ Coordination Studies
- ◆ GE752 Drive Motor Refurbishments
- ◆ SCR Refurbishments and Enhancements
- ◆ New design and build SCR systems – VFD and DC Systems
- ◆ SCR and PLC Training Courses

Please call us to find out more about how we can help to preserve your capital investment, through a program of works, carefully designed to optimise the utility and the performance of your Power System, whilst ensuring that it provides reliable and dependable operation for all your drilling applications.

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