



As part of our ongoing improvement program, Zeefax have introduced a whole new training experience, designed to enhance the current very popular SCR training programs operated by our highly experienced engineers.

**We have augmented the classroom sessions with much more practical and hands on work, and training is now held at our research, development and production facility, located in Bracknell, near London. It is hoped that these practical sessions will provide a much more real life training experience.**

### Hill Graham "Silcovert" AC Drive Training Course

Already experienced in providing training and on-site maintenance of the legacy Hill Graham "Silcovert" range of AC control modules, we have expanded the scope of our in-house training program to include a more generic training course on the use, troubleshooting and maintenance of the "Silcovert" Variable Speed Drives (VSD).

#### Who will benefit?

The generic nature of this course makes it ideal for both novice and experienced rig electricians, who have a good understanding of electrical theory, but have little or no prior knowledge or familiarity of working with this (or any) type of VSD. Therefore, please ensure that the course meets your individual needs before registering.

#### Objectives

The course provides some basic understanding of the operation of this type of VSD, including fault recognition, troubleshooting, routine maintenance, first-aid and calibration techniques, all aimed at restoring operation quickly when needed.

This course focuses on the essential concepts of each part of the system, with special modules for water cooling, the AF module, the DFC module etc. etc., so that students will be able to easily identify any faulty sub-system or electronic card.

For systems which include the DFC, the course will also include basic programming and parameters setting.

#### Course Aims

At the end of the course, students will have the knowledge and confidence necessary to be able to fault-find and maintain Hill Graham "Silcovert" VSD systems in a safe and competent manner.

Additional training courses are available from Zeefax, including Basic and Advanced SCR courses, which provide further knowledge on all aspects of operation and maintenance of drilling SCR systems. Please contact us for further details and to find out how we can help you to improve the reliability and prolong the life expectancy of your drive systems.



#### Course Content

- ◆ Basic Rectification
- ◆ The DFC or AF module
- ◆ Vector Control Theory
- ◆ The Inverter and the Diverter
- ◆ Oscilloscope Training
- ◆ Liquid Cooling
- ◆ Auxiliary Circuits and Systems
- ◆ Practical Session and Q&A

## Zeefax Experience

For more than 30 years, 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.

## 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
- ◆ Spares and Service for Ross Hill SCR Systems and Modules

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 a reliable and dependable operation for all your drilling applications.



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