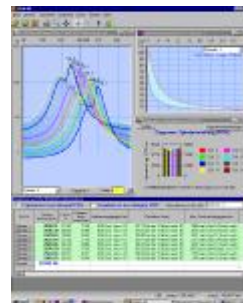


SERVICES & PRODUCTS

SHORT INFO

- **Preparation of *CREW TRAINING MANUALS***
We create **CREW TRAINING MANUALS** (Familiarization) for shipping companies and ship managers, according to STCW 95.
- **Preparation of *SOLAS TRAINING MANUALS***
We create **SOLAS TRAINING MANUALS** for shipping companies and ship managers, as they are required by SOLAS Regulations.
- **Technical Videos**
We produce technical videos with professional digital Video-systems - TV-Standard CCIR-Standard (PAL).
Training videos about general ship technical equipment / Safety Equipment / operative safety on board and the corresponding procedures (SOLAS).
- **Training Systems**
Development of innovative Training systems for different target groups.
Preparation of branch and customer specific training materials (e.g. Manuals / techn. Documentations / Translations / Videos / Overhead foils / Multimedia etc.)
- **Software *GLOBAL FLEET CONTROL GFC 40***
Modular PC-Software package for planning and documentation of any sea routes with integrated Time Tables and versatile application possibilities (Data exchange with **DDM 40**)
- **Universal *DIESEL DIAGNOSTIC AND MAINTENANCE SYSTEMS DDM40 – DDM45***
Indicating of cylinder pressure (incl. crank angle dependent power evaluation) of the main propulsion and aux. engines. According to the instrumentation and equipment, the modular design also enables the measuring, recording and evaluation of further engine condition parameters.
The **DDM Systems** includes analog multichannel-measuring boards, as well as interfaces for the connection of PC-controlled measuring instruments and can be used for different measuring purposes in the range of ship technics (e.g. PC-controlled Linerwall-Temperature Measuring System).
Furthermore the systems include integration interfaces for arbitrary hardware expansions and task orientated system configurations, supported by the free selection of signal conditioning modules.
All **DDM 40 Systems** provides data exchange with **GLOBAL FLEET CONTROL 40** and the documents and data bases of the system-range **MAINTENANCE**.

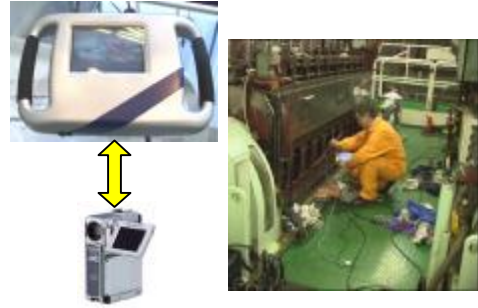


OVERVIEW

- **Video Inspection Systems (color)**

The Video-Inspection system **VINSPEC II** is an innovative development with versatile application possibilities in the range of machinery systems and general ship inspection. (e.g. coupling of **VINSPEC II** to digital Video cameras for recording of inspection pictures or movies).

VINSPEC II can also be used as mobile supervising system .



- **Vibration Monitoring Systems**

Development and distribution of vibration monitoring systems (e.g. **VIBMON II**) for different requirements in the field of mechanical vibrations and their analysis (FFT).



- **Customer specific PC-Measuring Systems**

Application fields: Diagnostic, Measuring and Protocol system in the field of ship technics, machinery systems (e.g. **DIESEL DIAGNOSTIC SYSTEM DDM 40**)

Suitable for the measurement of e.g. Pressures, Temperatures, Flows, mech. Vibrations, Velocities, RPM a.o.



- **Electronic Meas. Systems and Test Systems**

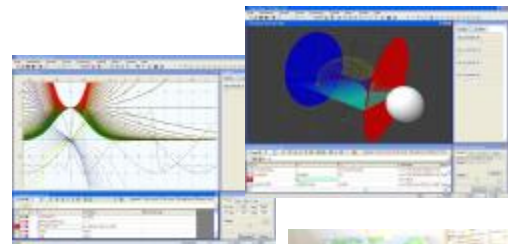
We supply electronic measuring devices and test systems where for example the function of electronic components can be tested.

We supply these devices and systems with sufficient general training manuals.



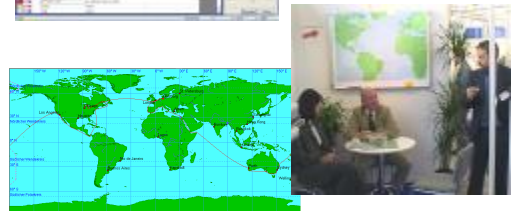
- **Customer specific PC-Software**

We are developing customer specific PC-Software for administrative applications (e.g. complex time schedules/ Project management), as well as for technical and operational applications, documentation management a.o.



- **Multifunctional Displays**

Projection and distribution of multifunctional displays (e.g. for **GLOBAL FLEET CONTROL GFC 40**) or any kind of time schedules)



If you are interested in our services and products we will be glad to support you with more detailed information!

Your Team from **ENGINEER OFFICE RICHTER**



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