

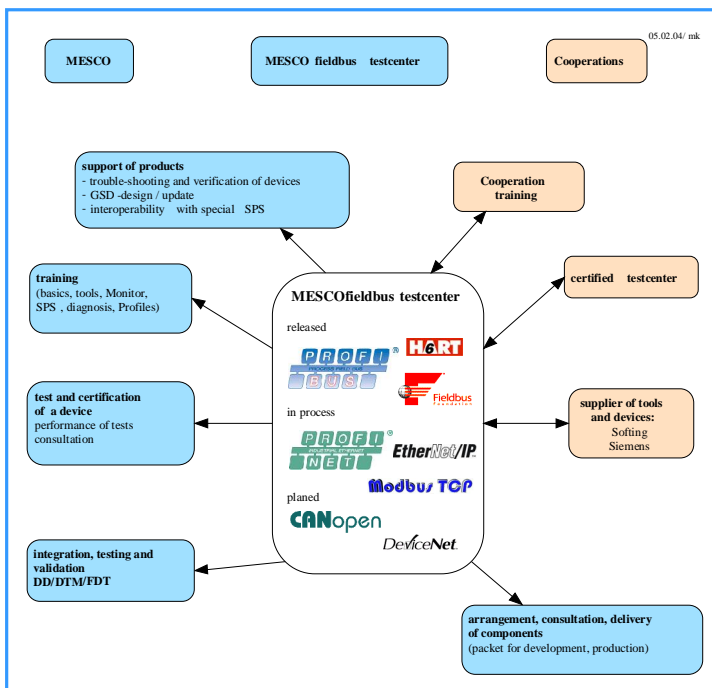
## Fieldbus Laboratory

### Overview

The MESCO fieldbus laboratory (FBL) has different multi-vendor facilities for the conformance testing of fieldbus devices. The most fieldbus organisations issue certificates for the tested devices based upon the positive test reports from a certified laboratory. At the MESCO FBL vendors can test their products especially for their fieldbus compatibility. The multivendor facilities are used for training, demonstrations, support and engineering. They consist of different devices by different vendors. The laboratory staff is in close contact with the vendors and on the other hand the clients of the MESCO FBL are in close contact with the used products.



### Block Diagram



### Technology

The fieldbus laboratory uses the demonstration facilities with different masters and different slaves to carry out all necessary tests for the certification of a fieldbus device. For diagnosis and trouble shooting some tools such as bus-monitor, diagnosis repeater and different measuring devices are allocated.

### Order Information

Contact MESCO for a detailed proposal

### Technical Data

- Test and certification of a fieldbus device (PROFIBUS, HART and Fieldbus Foundation available; PROFINET, Modbus TCP and Ethernet in preparation; others planned)
- Support of products (trouble shooting, EDD check, interoperability)
- Training (fieldbus basics, tools, diagnosis, profiles)
- Visualization, parametrization (DD/FDT/DTM)
- Arrangement, consultation, delivery of components
- Repetition of tests after hardware or firmware updates

### Optional

- Supplying of tools and devices for test facilities
- Fieldbus seminars at MESCO or inhouse
- Installation checks and commissioning in the "field"
- Maintenance of devices (EDD, firmware, etc.)

### Delivery Contents

The client can hire the multi-vendor facilities and get support for all phases of the test and certification procedure from the MESCO experts. It is also possible to send MESCO a device for the complete certification procedure.