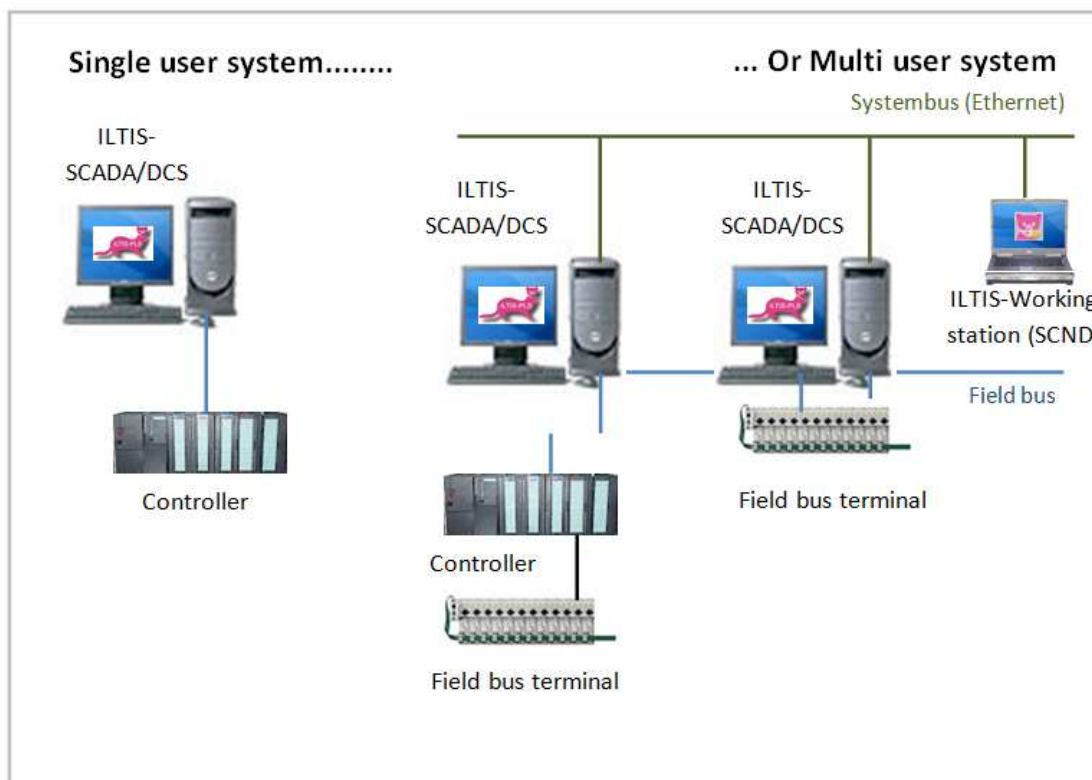## ILTIS SCADA/DCS Systems

From the visualization of the smallest partial plants to the complete automation of complex manufacturing plants – ILTIS-PCS offers the suitable solution for any application.

ILTIS-PCS is able to adapt itself to the individual plant structure. If the plant grows, ILTIS-PCS will grow, too. It is possible to upgrade any system individually or to upgrade to the next higher system package.

ILTIS-PCS Control System	ILTIS-PCS already in its basic version includes a functionalism above average. The system scale is freely configurable from 3'000 up to over 200'000 virtual process signals per system. In addition to the basic software further software options may be licensed on demand.
Functions	■ visualization, plant operating, recording ■ easy design of repeatable and individual reports ■ acquisition, processing and evaluation of process data ■ single-user system or multi-user system ■ redundancy support already included in the basic version ■ on-line project planning system ■ network support already included in the basic version ■ interfaces to the management level
Application	■ control system for process technology and manufacturing engineering matching all branches of industry ■ automation of medium and larger plants

Single user system........ ... Or Multi user system

ILTIS-SCND Operating Station	ILTIS-SCND is another operating station additionally to ILTIS-PCS (with one or more ILTIS-PCS control systems).
Functions	■ visualization with operating on site or in the central control room ■ linkage to the ILTIS-PCS central computer via system bus ■ data base of the ILTIS-SCND operating station is identical with the data base of the ILTIS-PCS central computer ■ operating its own peripherals is possible, for example printers, data backups and so on
Application	■ operating station additional to an ILTIS-PCS control system

ILTIS-smart	ILTIS-smart is a visualization system for the interactive process guidance, visualization, operation and supervision. ILTIS-smart is a comfortable system to operate and to observe processes both for operator panels and for independent process visualizations.
Functions	■ runtime system for visualization, operation and supervision ■ system planning is carried out at a separate engineering work station ■ running on operator panels (under WIN XPembedded), front-endr computers and personal computers ■ modular expandable, network supporting with ILTIS-PCS ■ engineering compatibility to the control system ILTIS-PCS
Application	■ on site operation for direct machine operation ■ basic system including all functions for operation and supervision, neutral in the trade ■ standardized solutions in automation for small-sized plants

ILTIS-ThinClient (intranet, internet)	ILTIS-ThinClient allows remote operation and remote diagnosis of plants controlled by ILTIS-PCS via internet or intranet.
Functions	■ visualization, operation and supervision ■ internet access to remote systems ■ internet access to measured value history ■ dial-up via internet browser ■ no software installation on the client computer ■ no license or hardware key needed for the client computer (licensing is carried out via server computer)
Application	■ remote operation and remote supervision of plants ■ remote malfunction diagnosis, remote malfunction processing ■ remote maintenance

ILTIS-ENG Engineering System	Each ILTIS-PCS control system is also a planning system. In this way modifications can be carried out on-line directly on site. ILTIS-ENG is used for the planning at the in-house engineering workplace. ILTIS-ENG includes all features of the ILTIS-PCS basic software. Additionally all available ILTIS software options with the exception of only a few ones are released.
Functions	■ all functions included in the ILTIS-PCS basic software ■ all ILTIS-PCS software options are released (with the exception of ILTIS-DUAL, ILTIS-IPL editor and FALKE).
Application	■ planning of ILTIS-PCS control systems ■ in-house project planning workplace for ILTIS integrators

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ILTIS-PLS

FALKE **Planning System for Programmable Logic Controllers (PLCs)**	FALKE is an optional integrated planning tool to create, to visualize and to record control programs used in the process technology or in the manufacturing engineering. The programs created graphically with the help ILTIS-PCS are loaded into the PLCs (for example a memory-programmable control or an front-end computer) and are processed there.
Functions	■ process technological linkage of the resources ■ hardware independent planning for different PLCs ■ use of automation objects with hereditary features ■ on-line display of the program flow ■ on-line display of the step by step sequences ■ simulation of the plant conduct without PLC hardware ■ graphical printout of the step by step sequences of the control programs
Application	■ controls used in process technology or in manufacturing engineering ■ standardized solutions in automation used in mechanical engineering ■ scalable modular solutions in automation

ILTIS-PCS Demo System	The functional scope of the ILTIS-PCS demo system is identical with the functional scope of the ILTIS-PCS control system (without any functional restrictions). On demand the ILTIS-PCS demo system is put at Your disposal on loan. By the help of the ILTIS-PCS demo system one is able to become better acquainted with the functions of ILTIS-PCS or to carry out customer presentations. ILTIS-DEMO systems may not be used for project engineering.
Functions	■ all functions of the ILTIS-PCS control system
Application	■ becoming acquainted with ILTIS-PCS ■ presentations with ILTIS-PCS

The ILTIS-PCS Systems	■ offer the suitable solution for each application ■ are both process control system and planning tool ■ have a free configurable system conception regarding hardware, software and functionalism ■ allow a simple upgrade to the next higher system ■ include an integrated network support and an absolute data transparency ■ own an integrated conception for visualization and operation in a control room, on site and via internet access ■ are planned unitary – from simple visualization systems to redundant double-computer systems. The engineering costs minimize themselves considerably by the use of the provided automation objects owning hereditary features.

The IST team will be happy to find the best possible solution for Your demands

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ILTIS-PLS