Data Centre Monitoring

Comprehensive solution for supervision of data centres and computer rooms

→ **modern, scalable solution**
→ **can be customized for specific requirements**
→ **easy extension**

Data centre monitoring is a comprehensive, modular solution for on-line supervision and diagnostics of data centres, computer rooms or other information and communication technologies. The system is based on collecting data from collector modules and sensors, processing it in a central monitoring system and presenting it in visualization clients. The system archives the data it collects for later analysis. The system's modularity and broad range of sensors that can be connected allows it to be customized precisely to the customer's requirements, and to be extended or re-configured at any time. The solution can also include a balance system for balancing electrical power consumed by selected technologies, thanks to which the system also helps analyze the consumption diagram and optimize costs.

→ Basic Characteristics

- on-line supervision of monitored equipment
- collects and processes of data from collector modules and sensors
- regulation and management (also in autonomous mode)
- broad range of interfaces for connecting sensors (temperature, movement, flooding, smoke) and meters (consumption, quality)
- units for measuring AC and DC power parameters
- units for measuring consumption and billing metering
- monitoring the consumption diagram and protection status in individual sections of a data centre
- interface for connecting monitoring and management for UPS and HVAC units
- can monitor cable and optical routes using specialized units
- can integrate existing collector modules or systems
- system graphics can be customized to user requirements
- monitors fault states and configurable limits, generates alarms
- can generate alarms to a log, via SMS, or email
- simple connection to database or information systems
- support for hierarchical user access
- an integrated administration, diagnostics and maintenance system

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→ Typical Use

- monitoring data centres and computer rooms
- monitoring information and communication technology and infrastructure
- balancing system for supervision and control of electrical energy consumption for various parts of equipment

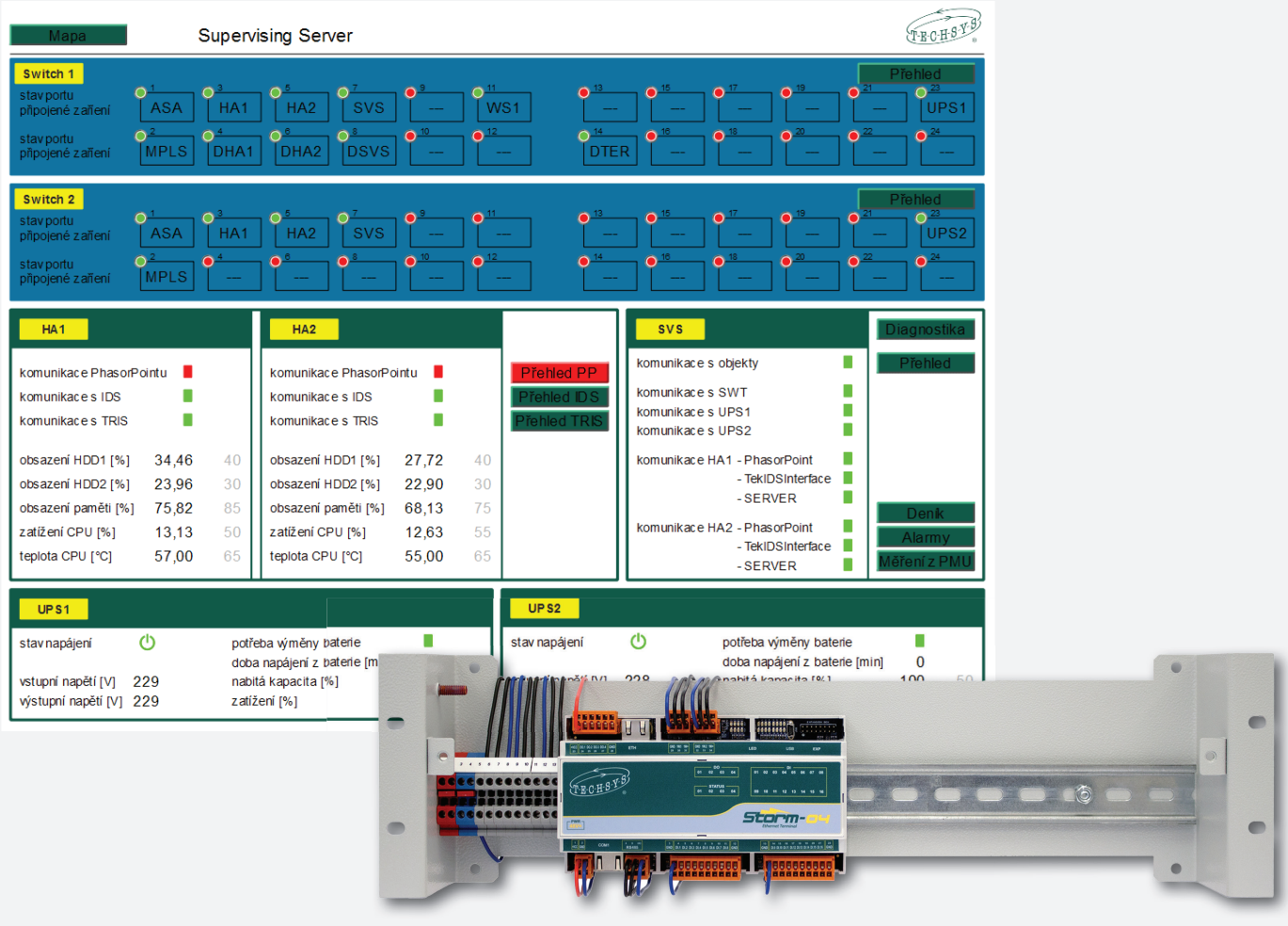
→ Properties

Communication

- broad range of serial and network communication types
- broad range of sensor interfaces
- standard security, support for "cyber security" standards

Data Processing and Presentation

- all the benefits of a real-time on-line system
- basic processing of data from various protocol types
- on-line and batch processing of data, processing and providing data to/from external systems
- comprehensive short, medium and long-term data storage system
- extensive data display system in a fully graphical visualization client environment, on-line schematics, tables, graphs and combinations thereof
- display of specific schematics (data centre and computer room schematics, lists of sensors and their values)
- simultaneous display of all types of data being processed, along with data from archives and external systems, all in one place
- multiplatform client applications a smart client (Linux or Windows), a thin client (web browser) and a mobile client (Android, iOS)
- the ability to implement customer requests for data communication, processing and display
- optical and acoustical alarm outputs, support for wireless alarm delivery systems (SMS, pager)



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