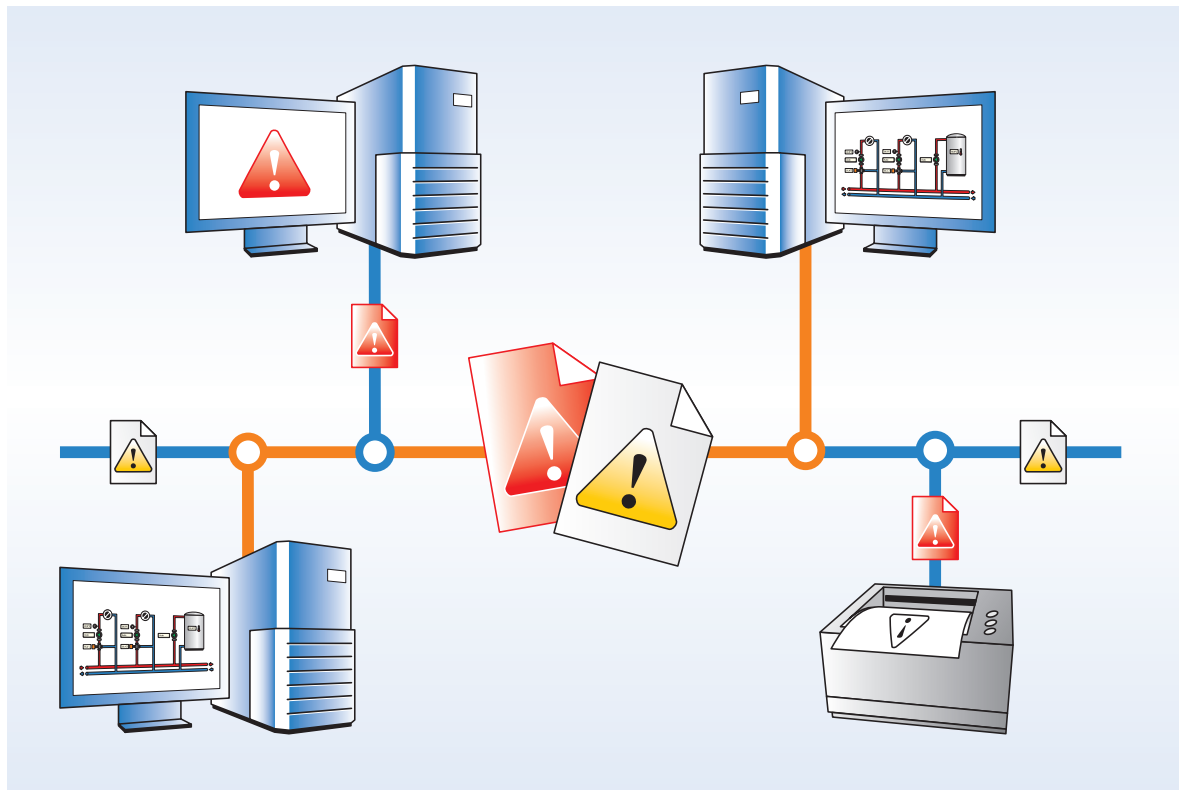## SM32 Distributed Network

Overview

The SM32 DISTRIBUTED NETWORK software module allows an independent, powerful network to be set up that connects several Neutrino BMS's with one another. Communication in this network is based on the QNX operating system and on the QNX network. It is therefore possible to transmit malfunction messages to all the Neutrino BMS's in the network, for example, in the case of a malfunction occurring in the TBE (Technical Building Equipment).

Up to 99 Neutrino BMS's with their connected automation stations of the TBE can be networked in a powerful data communications network. As a result, every Neutrino BMS can access the BMS data points of the other Neutrino BMS's in order to view the plant states of the TBE and to change it where necessary. When there is an interruption in the network connection, every Neutrino BMS can take over the monitoring and operation of the TBE autarkic.

SM32   **Product Description**

Features

- ■ Independent, high-performance networks can be set up with up to 99 Neutrino BMS's.
- ■ States and malfunction messages can be automatically transmitted to all Neutrino BMS's within the network.
- ■ The plant states of the TBE can be transmitted to all Neutrino BMS's within the network so that this can be monitored and, where necessary, changed by all Neutrino BMS's.
- ■ Malfunction messages can be output to any number of printers in the network.

Functional design

In the local network (LAN), communication is based on the standard TCP/IP (Transmission Control Protocol/Internet Protocol), and in a remote data transmission network (WAN), it's based on the PPP protocol (Point-to-Point Protocol). Additionally, output devices can be integrated in this network, for example, in order to output malfunction messages from all Neutrino BMS's on them.

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