

## Complete concepts for new and existing networks

### The key issues

The correct configuration of a network or the optimization of an existing network is more than a question of technology. We will therefore prepare you individual concepts for employee training and system maintenance, in addition to the actual network design.

In this way at an early stage you will receive a complete picture of all the necessary actions and therefore also the real costs.

The implementation of specific requirements in an equally specific network plan is a calculation with a large number of variables. How powerful and fault-tolerant must the network be? How flexible? And, if a network already exists: how can the current infrastructure and the existing components be optimally incorporated?

Crucial for the final design, whether cable-based or wireless, is not only its reliability today, but also its security of investment for tomorrow. Only a really well thought-out overall concept will ensure that the final network will accommodate both.

### Which advantages you should exploit

Our Belden Competence Center consultants will design a custom system solution based on Belden, GarrettCom™, Hirschmann™ and Tofino™ products, that includes exactly the functionality you need. In this way your network will be cost-effective from the start – and will remain so. Planning requires not only extensive practical experience, but also the very latest technological know-how.

With assistance from the Belden Competence Center your network solution will precisely meet your requirements. And for reliable operation you will receive an individual maintenance and service concept that will provide you with maximum network availability.

#### What we do for you

##### Network Design Consultation

- Planning of new networks exactly in accordance with the objectives
- Updating and expansion of existing networks
- Comparison of possible alternatives
- Selection of the active and passive components from Belden, GarrettCom™, Hirschmann™ and Tofino™
- Selection of the ideal management tools
- Preparation of migration concepts
- System test / simulation
- Preparation of a tailored, cost-effect maintenance concept (hardware warranty, network monitoring, help desk)
- Planning of the on-site spare parts stock
- Preparation of training plans for all relevant employees

##### Network Optimization Check

- Analysis of the existing network structure and data traffic
- On-site or remote measurements
- Testing and evaluation of communication paths
- Determination of requirements for migrations and procurement
- Definition of the redundancy requirements
- Product recommendations for network optimisation with Belden, GarrettCom™, Hirschman™ and Tofino™ products

