

# Better Connected

The Way to Reliable Networks

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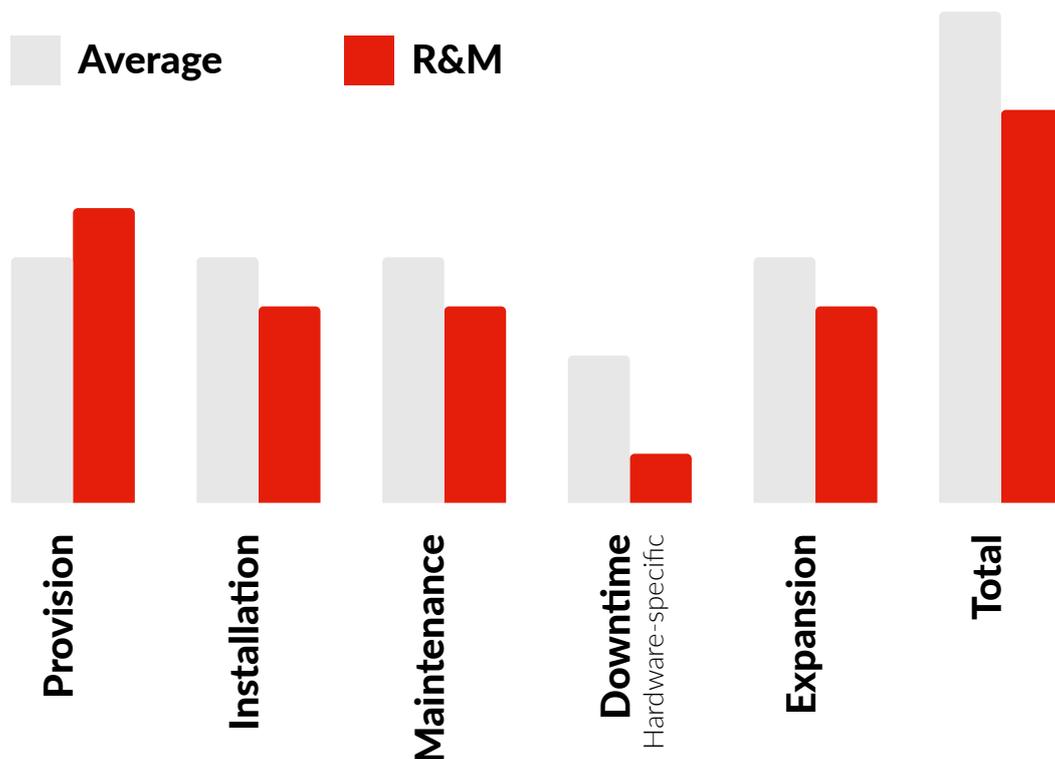
### Statement / Mission

Better Connected is all about effectively sinking the total costs of data network cabling over the entire service life.

R&M stands for durable products with maximum availability and reliability over the entire service life of the installation. R&M wants to ensure that its network components deliver the performance guaranteed throughout the entire life cycle.

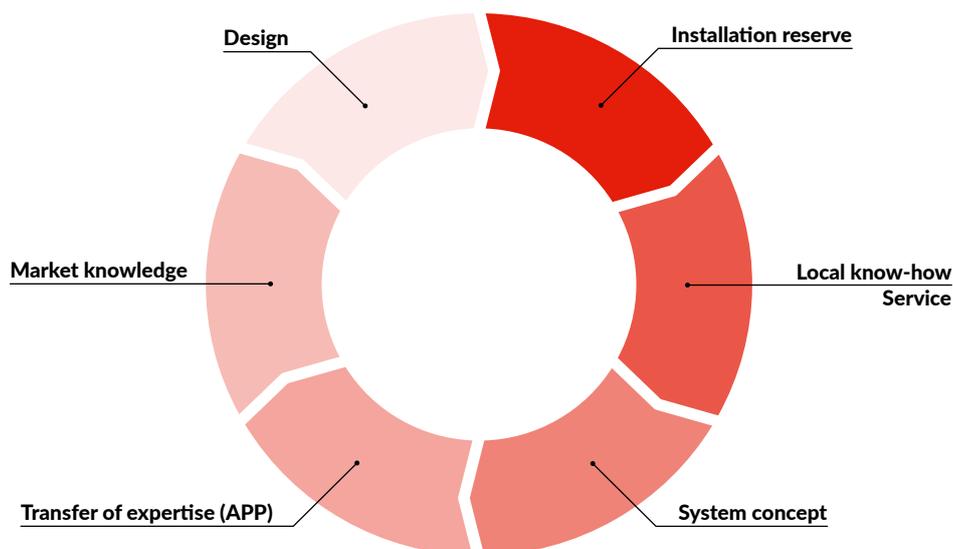
- ✓ Minimal downtime costs thanks to maximum availability
- ✓ Maximum ease of installation thanks to the implementation of the designed-for-practice principle (thanks to real Plug&Play)
- ✓ Sustainable investment
- ✓ Fast, local support

### Costs of operating a data network (symbolic representation)



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### Close to customer requirements

The durability and availability of our networks are based on our internal control system which enables us to be close to the customer, practice and new market requirements.

#### Design

Our product design is characterized by the minimal number of individual parts. Methods of mounting such as screws, adhesives and ultrasonic sealing are avoided whenever possible. Intelligently designed catch mechanisms in the components result in mechanically robust, sturdy products which have stood the test of time. We minimize the tolerances of the single parts to the limit of what is feasible and obtain the lowest variation on the market in terms of connection cycles with regard to IL and RL values, best vibration resistance and a distinct high temperature tolerance.

#### Materials

R&M selects materials paying particular attention to dimensional stability and durability to be able to implement the mechanical finesse of the product design. Wherever it makes sense, plastic compliant with UL94 VO is used.

#### Installation reserve

R&M is fully aware of the fact that tampering errors can happen during installation. Along with the sturdy design and the top-quality materials, microfeatures (see below) augment a complete control during production and, not least, our internal requirements of mechanically testing products beyond the specified values.

#### Local service

Local R&M employees are an important part of the R&M service. Questions on products or the need for support and advice can be quickly and reliably clarified in the local language. It is important to us that customers have confidence in us.

#### System concept

R&M is a system vendor of passive cabling. Our aim is to ensure the optimal interaction of all components in the network. Our belief in the long life cycle of our systems has led us to issue a system warranty lasting 25 years.

#### Transfer of expertise

Specific trainings (QPP) held regularly with our customers get our knowledge across to those responsible for the planning, setup and maintenance of their network.

#### Market knowledge

R&M works directly with the end customer which is a win-win situation. The customer benefits from the short communication path, R&M benefits from the information and feedback which is then implemented in new and improved products.

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### Microfeatures – the difference is in the detail

FO connections are not for use in the test lab but are produced for tough implementation in installations, maintenance and operation.

R&M plug-in components cut a convincing figure with their reliability in every operating phase (life cycle phase). Microfeatures, constructive details, take care of that.

Whether an improved hold on the cable jacket by crimping or absorption of forces on the plugged-in connection: The microfeatures play a major role in the durability and reliability of our products.

### Microfeatures



#### Microfeatures: Plug&Play

Plug it in – you're done! That's what every installer dreams of.

After installation has been completed, disillusionment often sets in during the final measuring before commissioning if the IL and RL values of the connections are too high and the search for a patch cord fulfilling the optical requirements with its mating connector begins.

For more information see the technical information sheet Microfeatures: Plug&Play.



#### Microfeatures: connectivity

Defining the quality / suitability of a mated FO connection solely by the IL / RL values determined directly after the production of the patch cord or pigtail against a master connector under optimal measuring conditions does not correctly reflect the reality of operation.

During operation, the connection is periodically or constantly exposed to influences which can negatively impact the transmission characteristics.

For more information see the technical information sheet Microfeatures: Connectivity.



#### Microfeatures: FO patch cord

Influences on a patch cord during tampering procedures during installation and maintenance are mainly of a mechanical nature.

R&M FO patch cords have been specially designed for practice.

For more information see the technical information sheet Microfeatures: FO Patch Cords.

[→ Link to Better Connected microsite](#)