

## High availability & redundancy

## Creation of a central IT & network infrastructure

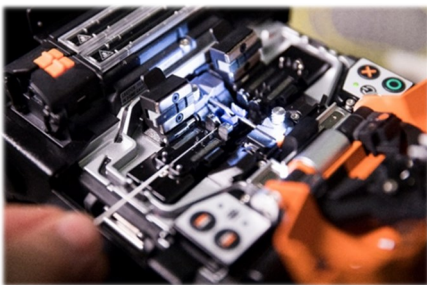
### The Spinner Group

The Spinner Group is headquartered in Munich and employs more than 1000 people worldwide. Since 1946, Spinner has been setting standards in high-frequency technology in the markets of mobile communications, broadcasting, rotating solutions, measurement technology and high-energy physics. Spinner is characterized by high quality standards and a large vertical range of manufacture in the individual, customer-specific development of products. Always with the goal in mind "HIGH FREQUENCY PERFORMANCE WORLDWIDE". The production facilities for this are located in Germany, Hungary and China. One of them is located in Feldkirchen-Westerham. The central IT



### Initial project situation & objective

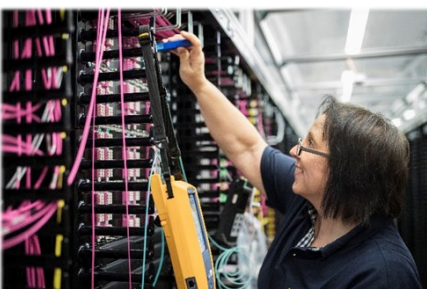
An essential part of Spinner's IT strategy was to create a central IT & network infrastructure at the site in Feldkirchen-Westerham location, which is characterized by high high availability and redundancy. Within the project "Optimization of IT Infrastructure", a regional partner was sought who, as a specialist, would accompany and realize the complex and cross-departmental IT and network project, the entire way from the idea to the implementation. Geiger has chosen the



### Scope of services

Starting from two independent server rooms, the a redundant fiber optic backbone was set up on the entire a redundant fiber optic backbone was installed on the entire company campus.

- 5,000m of hybrid universal cable (12 fibers MM OM4 + 12 fibers SM OS2)
- 1.248 pieces of splices
- 624 pieces OTDR measurements
- 27 pieces OSIRISONE HD splice boxes (LC - connection technology)



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In addition, the CU communication cabling in existing network distributors was upgraded and existing network distributors was upgraded and brought up to the quality standards of the Spinner Group. The existing CU connection technology was dismantled, the CU data cables



CU data cables were re-routed, upgraded to category 6A RJ45 modules and certified according to class EA

Permanent Link certification. In addition to the technical

expertise, Geiger was able to convince the customer right from the start with its personal and obliging cooperation, good communication, fair pricing and

## Implementation & result

Due to critical production infrastructures, the work took place in small sub-projects, was partially realized at short notice on weekends and during the company vacations during the Christmas period. Due to the good cooperation during the project between Spinner and Geiger, the implementation was absolutely smooth and faster than planned. The

objective of a central, highly available and redundant redundant IT and network infrastructure was fulfilled according to all requirements-specific expectations and has been running flawlessly since commissioning. The Spinner Group has found in Geiger a competent partner for all fiber optic needs from A-Z

needs. Even after the completion of the project, Spinner and Geiger remain in close contact and exchange. Follow-up projects, such as such as support for the creation of an emergency manual, are already being implemented.



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