

INSIGHT

FUNDED FIBER OPTIC EXPANSION

County of Märkisch-Oderland
in Brandenburg



THE CHALLENGE

1400 KM IN 36 MONTH



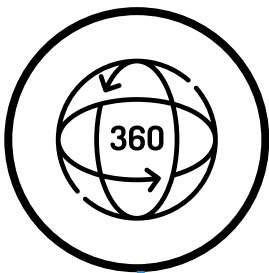
As the foundation of a digital infrastructure, the fiber optic connection offers an optimal inter connection for both private households as well as businesses in Märkisch-Oderland.

The aim of the project is to prepare the region the best possible preparation for digitization. At the end of 2019 e.discom Telekommunikation GmbH started with the construction work. All in all, total of approximately 1,400 kilometers of new fiber of new line will be built.



We provide support at every stage →

SUPPORT IN ALL PHASES

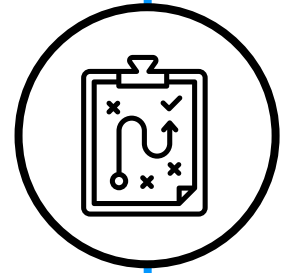


SURFACE ANALYSIS IN 360 DEGREES

- Inspection according to the specifications of the rough planning with 360-degree recording technique
- Comparison of the rough planning with local conditions
- Data backup on surface condition and quality
- Inclusion of households in the eligible area that were not included in the rough planning, as well as checking the planned house connections.
- Documentation of the surface condition in the geoinformation system
- Initial definition of possible routes and network distributor locations for implementation of the civil engineering measures

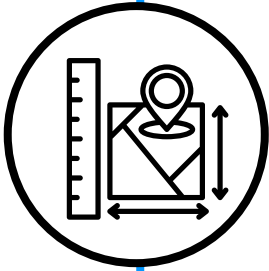
LOW AND MEDIUM VOLTAGE PLANNING

- In order to leverage synergies, medium and low-voltage lines will be laid in consultation with the funding agency to upgrade the E.DIS supply network
- Development of the planning process together with E.DIS
- Execution of the approval and implementation planning within the framework of the co-laying process
- Preparation of construction-ready technical documents for construction according to the specifications of E.DIS



CONSTRUCTION SUPERVISION AND MONITORING

- Coordination and supervision of construction for civil engineering and assembly on site
- Ensuring professional completion of all external services and compliance with all standards and regulations
- Organization and execution of construction inspections with external partners and customers
- Examination of planning deviations from as-built plans
- Acceptance, checking of measurements, preparation of invoicing documents

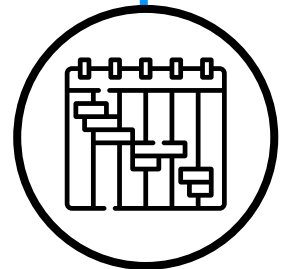


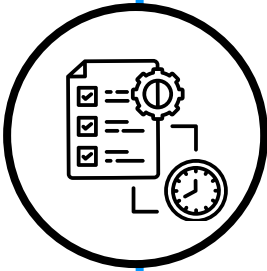
ROUTE / SITE SURVEYING

- Surveying of the civil engineering route and locations
- Pre-surveying of crossing points such as railroads, freeways and 1st order watercourses
- Input of the survey data into CAD
- Transfer of the data to the documentation

PROJECT MANAGEMENT AND CONTROL

- Management of all planning and construction-related work packages
- Control of the execution teams at several locations as well as the subcontractors
- Interface with the customer, regular meetings, Reporting Escalation management
- Reconciliation for compliance with funding conditions





APPROVAL PLANNING

- Optimization of the route after video inspection, taking into account public concerns
- Alignment in the GIS with nature conservation, monument protection, water protection and explosive ordnance areas
- Determination of crossing points with railroad properties, water bodies and public roads
- Preparation of the application documents according to the specifications of the authorities, public interest groups and other parties involved
- On-site inspections to determine the feasibility of the planned measures with the responsible authorities or public interest organizations
- Monitoring of the application process for sensitive infrastructures
- Processing of comments for further application
- Incorporation of the conditions into the approval file
- Monitoring of the application process and reporting on current progress
- Handover of approvals to the client and release for implementation planning

CONTACT US

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ABOUT SITICOM

siticom is a technology innovation company founded in 2010 with a focus on the digital transformation of infrastructure and networks of tomorrow. siticom's portfolio is geared towards the complex technological challenges of the future. The solutions and services range from technical and strategic advice to engineering services for planning and realizing network infrastructures in communication networks and corporate networks. Thanks to a highly innovative, flexible grid of system partners, siticom is able to implement high-quality solutions at short notice. The combination of consulting, design and architecture bundled with the assumption of system and implementation responsibility as well as test-automation distinguishes siticom as an independent system integrator.