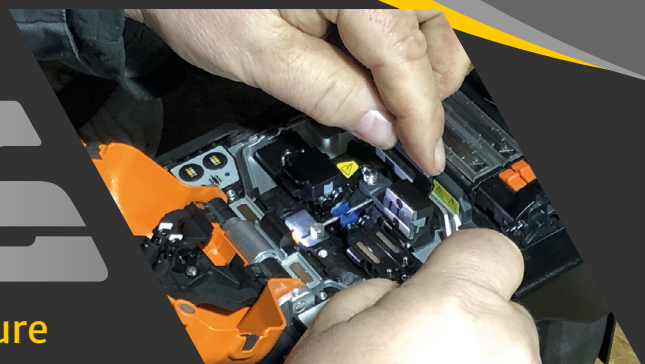


we connect the future



AFS Kabelmontagen GmbH

Your specialist for network construction, cable installation & fiber optic expansion

Cable installation, utility trenching and telecommunications
– nationwide, reliable & from a single source.

OVER 40 YEARS IN CABLE INSTALLATION, UTILITY TRENCHING & TELECOMMUNICATIONS

AFS Kabelmontagen GmbH is your reliable partner for high-performance and future-proof network construction in the fields of energy and telecommunications infrastructure. For more than four decades, we have stood for quality, safety, and technological expertise – from traditional utility trenching and cable installation to modern fiber optic expansion.

As an owner-managed company based in Rheda-Wiedenbrück, we combine strong regional roots with operations across Europe – serving municipal utilities, energy providers, industrial clients, and infrastructure service companies.

Our Standard: Quality Without Compromise

We approach network construction holistically – from planning to commissioning. Reliability, on-time delivery, and technical precision are at the core of everything we do. Our teams are broadly positioned, work across disciplines, and operate using the latest technology.

Whether low, medium, or high voltage, whether copper, fiber optic (LWL), or specialty cables, whether conventional civil engineering methods or modern HDD drilling – we deliver projects efficiently, in full compliance with standards, and with a strong customer focus.

Our Team: Qualified. Committed. Safe.

Our employees are the heart of AFS: SCC** certified, regularly trained, and qualified for live working (AuS) in the 1 kV range. With in-depth expertise in welding, wrapping, and soldering techniques up to 60 kV, combined with many years of field experience, we ensure professional execution – even under demanding conditions. Our work is always carried out in accordance with the latest regulations and standards, including DGUV Regulations 1 and 3, DGUV Rule 103-011, and DIN VDE 0105-100.

Our Partners – Together for Strong Network Solutions

Reliable partnerships are the foundation of our success. We collaborate with selected companies with whom we have worked successfully for many years – in materials, technology, and project implementation.



Stadtwerke Münster



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Assistance:

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Cable Installation up to 110 kV – Professional Solutions for Energy Infrastructure

AFS Kabelmontagen GmbH is your reliable partner for the installation, maintenance, and repair of cable systems in the low-, medium-, and high-voltage range up to 110 kV. Our experienced team of certified specialists delivers demanding projects in the energy sector – fast, safe, and in accordance with the highest technical standards.

We not only provide professional cable installation services but also offer conventional utility trenching to ensure flexible and efficient project execution from a single source.

Our Services at a Glance

We offer a comprehensive range of services related to cable installation – from initial installation to fault diagnostics and emergency repair:

- Installation, replacement, and repair of cable accessories up to 110 kV
- Special installations for oil-insulated paper cables up to 60 kV
- Professional terminations and transition joints
- Busbar insulation in switchgear systems
- Installation of residential service connections
- Fault clearance up to 110 kV
- Cable and sheath testing using the VLF method (Very Low Frequency)





Maximum Quality and Safety

Our technicians are SCC** certified, fully qualified, and authorized for live working (AuS) in the 1 kV range. All installation techniques used comply with the latest industry standards, are continuously developed, and meet the requirements of current regulations – including DGUV Regulations 1 and 3, DGUV Rule 103-011, and DIN VDE 0105-100. For special operating conditions such as wind turbines, photovoltaic parks, or extreme climate environments, we use durable, high-performance, and partial discharge-free joints to ensure long-term operational reliability.

Civil Engineering and Cable Installation from a Single Source

To enable fast and independent project execution, we also provide conventional utility trenching services. This ensures seamless coordination between civil engineering and cable installation – particularly efficient in the case of fault repairs or complex new installations.



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Utility Trenching for Energy and Data Networks – Precise, Efficient and On Schedule

The requirements for modern route construction in power and data infrastructure are continuously increasing. With the growing demand for high-performance energy supply and communication networks, reliable, professional, and flexible cable trenching is crucial to the success of every project.

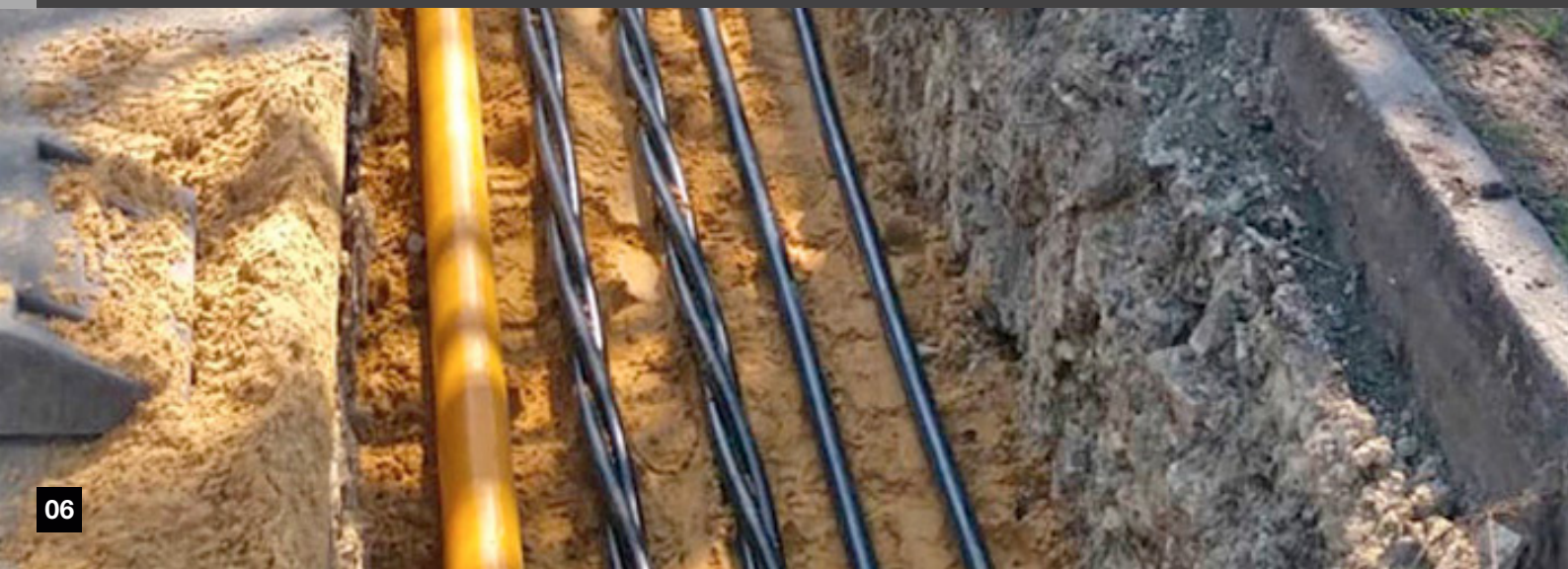
AFS Kabelmontagen GmbH provides professional, conventional utility trenching – precisely planned, carefully executed, and, if required, including complete planning and cable installation. Whether for energy suppliers, telecommunications providers, municipal utilities, or industrial companies: we deliver customized solutions for future-proof network infrastructure.

Our Services in Cable Utility Trenching

Our experienced technicians and civil engineering specialists use state-of-the-art machinery and techniques to implement even complex route layouts quickly and accurately. We always focus on maximum efficiency, safety, and smooth project execution – whether during ongoing operations or new construction.

Our services in the field of cable utility trenching include:

- Excavation and shaft work for the preparation of cable routes
- Asphalt and paving work for surface restoration
- Horizontal directional drilling (HDD) for trenchless installations, ideal for road crossings or sensitive areas
- Cable pulling and installation of power and data cables – including speed pipes, microducts, and SNR bundles
- Use of all-terrain pulling and blowing technology for challenging terrain sections
- Detection, calibration, and leak testing of cable protection pipe systems (KSR systems)
- Complete logging and digital documentation of all work steps to ensure maximum traceability and quality assurance
- Professional unexploded ordnance (UXO) detection to identify potential hazards before construction begins and ensure a safe, disruption-free project workflow





Your Advantages with AFS in Cable Utility Trenching

- Decades of experience in network construction and civil engineering
- Modern machinery and proven methods (including HDD and vacuum technology)
- Professional execution in accordance with applicable standards and safety regulations
- Comprehensive documentation for complete project monitoring
- Flexible deployment planning, even for urgent projects

Efficient Civil Engineering from a Single Source – For Every Requirement

With our conventional utility trenching services, we provide the ideal complement to our cable installation and telecommunications construction services. This enables fast, coordinated, and cost-efficient project execution – without delays caused by external interfaces.

Our teams operate throughout Germany, reliably and on schedule – whether for large-scale infrastructure projects, facility connections, or selective network modernization works.



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Telecommunications Construction & Fiber Optic Expansion – High-Performance Communication Networks for the Future

With the continuously increasing data volumes in private, commercial, and industrial applications, the demand for high-performance network technology is also growing. The future belongs to fiber optics – powerful, stable, and scalable. AFS Kabelmontagen GmbH is your competent partner for professional telecommunications construction and the nationwide expansion of fiber optic and communication networks.

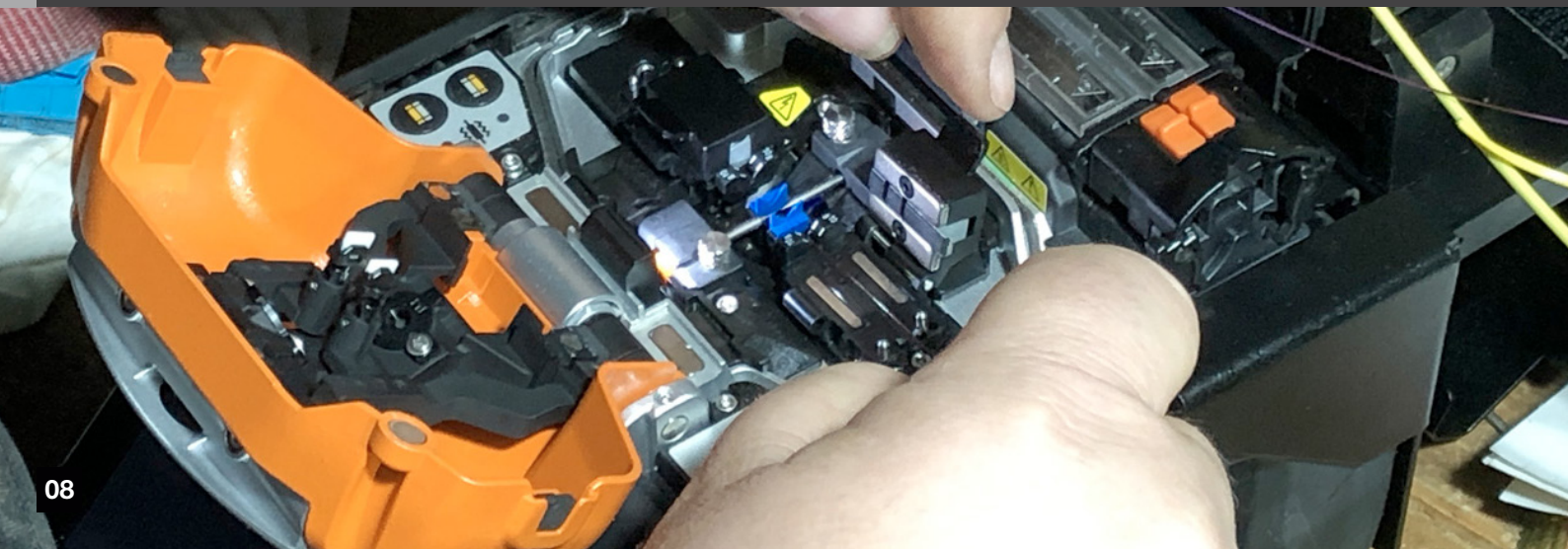
Whether new installations, network expansions, or fault repairs in existing infrastructure – we support network operators, municipal utilities, telecommunications providers, and companies in building reliable infrastructure for the digital future.

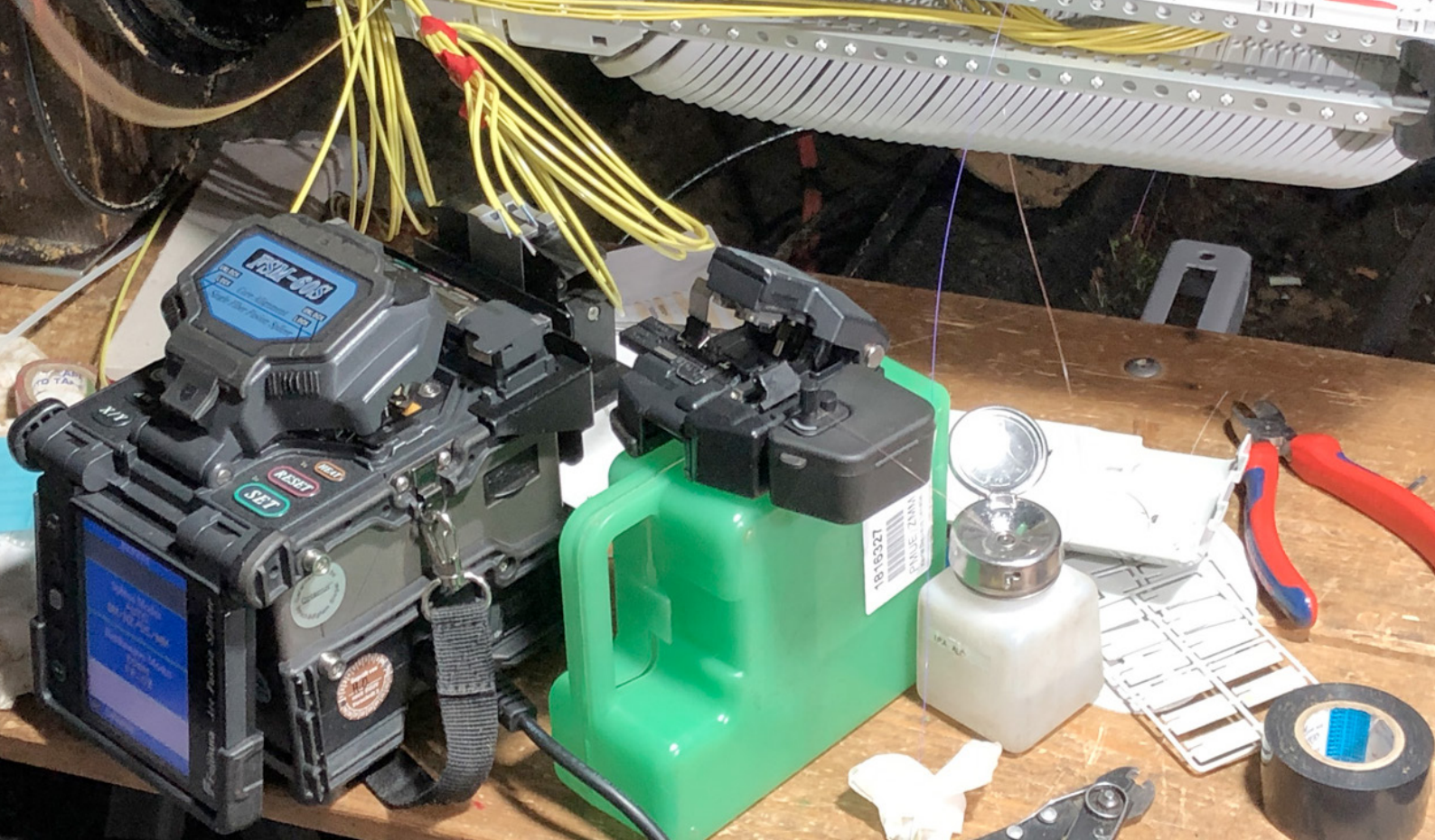
Our Services in Telecommunications Construction

We implement modern telecommunications networks – from traditional copper technology to high-performance fiber optic connections. In doing so, we rely on many years of experience, qualified specialists, and precise measurement technology.

Our telecommunications services include:

- Installation of copper conductor cables up to 2000 pair count (with plastic or paper insulation)
- Fiber optic (LWL) installation for high-speed connections
- Installation of speed pipes, microducts, and fiber optic cables in new or existing duct routes
- Construction of modern FTTX networks (FTTH, FTTB, FTTC) for comprehensive fiber optic expansion
- Fiber blowing and microblowing technology for gentle and efficient cable installation
- OTDR measurements (Optical Time Domain Reflectometry) for quality testing of fiber optic connections
- GPON measurements (Gigabit Passive Optical Network) for analysis of active network components
- Fault detection and repair of communication and data networks – fast, efficient, and available 24/7





Detecting and Resolving Faults Quickly

Stable network operation requires not only professional installation but also rapid response in the event of disruptions. With our 24/7 emergency service, we are available at all times – equipped with modern technology and experienced technicians.

Future-Proof Fiber Networks – Professionally Implemented

The development of high-performance fiber optic networks forms the backbone of digital infrastructure. With AFS, you benefit from an experienced partner who supports projects from planning to commissioning – reliable, compliant with standards, and economically efficient.

We operate independently of manufacturers and rely exclusively on tested materials and high-quality connections – ideal for long-term network stability.



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Vacuum Excavator Services with AFS – Precise, Clean and Efficient

AFS Kabelmontagen GmbH is expanding its service portfolio: A modern vacuum excavator is now available for a wide range of applications. This powerful and environmentally friendly technology provides a precise, safe, and fast method for material removal in civil engineering, sensitive areas, and inner-city construction projects.

With the vacuum excavator, we respond to increasing demands for the careful exposure of utility lines, pipes, and cables, site cleaning, and safe excavation in hard-to-reach areas – all without the need for conventional excavation equipment.

What Is a Vacuum Excavator?

A vacuum excavator is a specialized construction machine that operates with a powerful vacuum system. Using a flexible suction hose, materials such as soil, gravel, sludge, construction debris, water, or contaminated ground are efficiently and precisely removed and transported into a collection container.

This process ensures that cable lines and tree root systems remain undamaged.

Compared to conventional excavators, vacuum excavation significantly reduces the risk of damaging underground utilities – making it ideal for use in urban environments, industrial facilities, or when exposing sensitive infrastructure.

Typical Applications

The vacuum excavator is used in a variety of scenarios, including:

- Utility exposure in inner-city areas (gas, water, electricity, telecommunications)
- Cable and pipeline construction in confined spaces or areas with underground infrastructure
- Excavation pit cleaning, trench clearing, and precise soil removal
- Removal of construction materials, sand, sludge, or contaminated soil
- Support for horizontal directional drilling (HDD) or complex civil engineering works





Your Advantages When Using a Vacuum Excavator with AFS

Precision:

Targeted material removal minimizes damage to surrounding utilities and structures – ideal in confined spaces or densely built-up areas.

Environmental Friendliness:

The vacuum excavator reduces noise, dust, and vibrations, making it particularly suitable for sensitive environments such as residential areas, historic city centers, or industrial facilities.

Efficiency:

Thanks to state-of-the-art technology and rapid deployment readiness, projects can be carried out economically and on schedule – while maintaining high safety standards.

Versatility:

Whether in network construction, emergency repairs, industrial environments, or municipal construction sites – the vacuum excavator is highly flexible and supports a wide range of applications.



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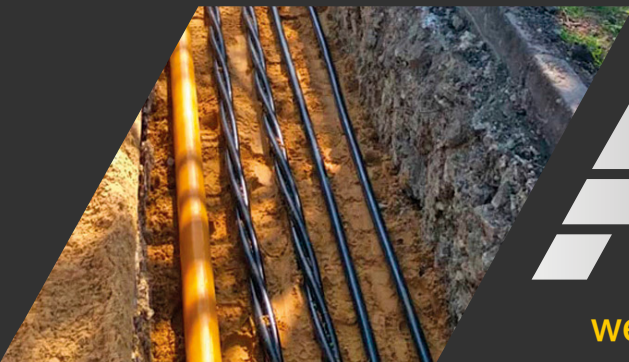
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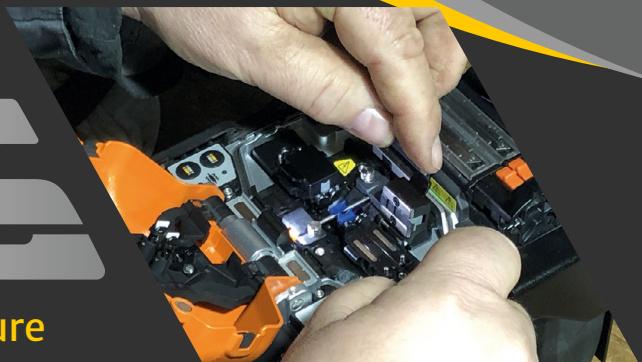
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