Cable Services
Our Portfolio

- Engineering, design, planning and assessment
- Time- and resource scheduling, monitoring scheduling
- Vendor-neutral supervision, cable laying and assembling
- Monitoring
- Installation and commissioning
- Maintenance and inspection
- Fault location (e.g. with LIRA), cable repair
- Retrofit, modernization, modification, design and extension
- Dismantling of existing installations

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Printed in Germany
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LIRA Registered trademark, Patent pending, owned by Wirescan AS.

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Cable Services

Our offer at a glance:

Design & Accomplishment

HV-Cablesystems

- System engineering and design:
  - Current electrical design, arrangement and bedding
  - Assembly, EMC, earthing, hydraulics
  - Calculation of pulling forces, clarification of functional interfaces
  - Technical procurement
- Time- and resource scheduling, monitoring scheduling
- Supervision of civil works, cable laying, certified professional assembling also of cable-terminations and joints
- Installation and commissioning
- Maintenance and measurements
- Fault location (e.g. with LIRA-technology), refurbishment, cable repair
- Retrofit, modernization, modification, design and extension
- Monitoring (temperature, partial discharge)
- Dismantling of existing installations

Our Service comprehends the following cable types and sealings from various vendors:
- XLPE cables of various designs (up to 500 kV)
- Low-pressure oil-filled cable (up to 400 kV)
- Gas-pressure cable (up to 110 kV)

LIRA

Cable assessment and fault location

LIRA -technology is a system for the diagnosis of installed power cables. Measurements with LIRA-technology allow reliable cable condition assessment and ensure exact fault location.

LIRA provides
- Valuable information for budget planning and maintenance strategy
- Increased reliability through accurate knowledge of the cables condition
- Decreased risk for emergency repairs
- Verifiability of corrective measures
- Fingerprints for the quality documentation of new cables
- Easy execution with minimal effort: cable-connected equipment like transformers and motors can remain at the cable head
- A safe measurement method for cables and users (5V measuring voltage)

LIRA is suitable for
- High-, medium- and low voltage power cables
- Condition assessments of submarine power cables
- Locating cable couplers
- The measurement of nearly all existing cable types
- Cable lengths from less than 50 m to several 100 km

LIRA - equipment

The LIRA device weighs less than 10 kg and can be easily carried by one person. Measurements can be performed globally with a remotely connected specialist supervising the execution.