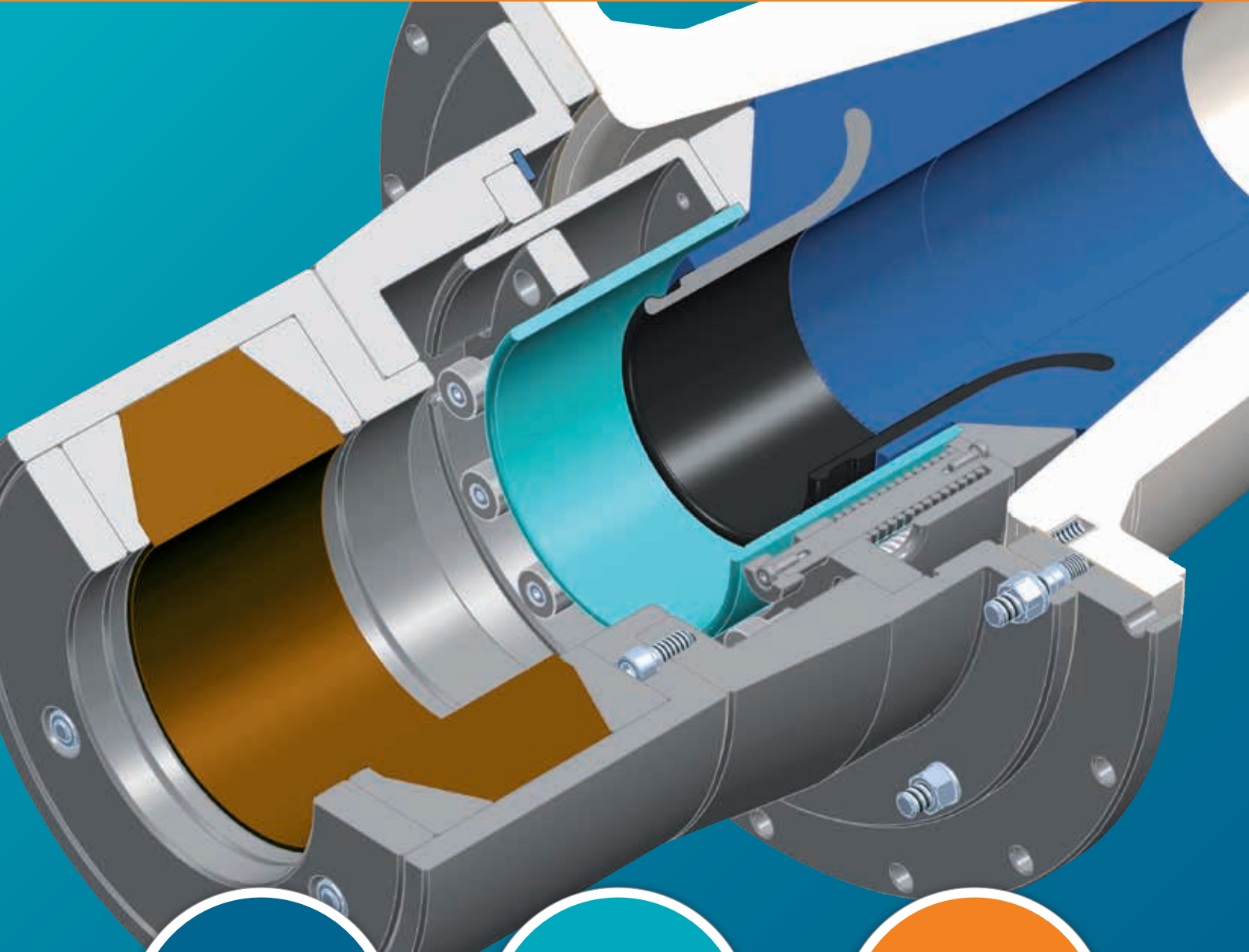




**strescon**  
cable accessory technologies

# Our services for your success



Product  
development

Manufacturing  
technologies

Application

»The cable accessory technology experts«

[www.strescon.de](http://www.strescon.de)

# Innovation, efficiency and flexibility in each phase of your project



We develop components for electric power transmission. Our dynamic performance-based team combines competence from product development, manufacturing technologies and application. And the customer is always in the focus of all activities with strescon GmbH.

## Focus

- Electrical design (insulation coordination and current carrying capacity)
- Mechanical design (material selection, input optimization)
- Modular systems and optimization of costs for tools

## Custom development

- Connection technology for power transmission equipment, such as switchgear, power transformers, surge arresters, measuring transformers
- Cable accessories for high and medium voltage XLPE cables for all voltage levels and cross sections

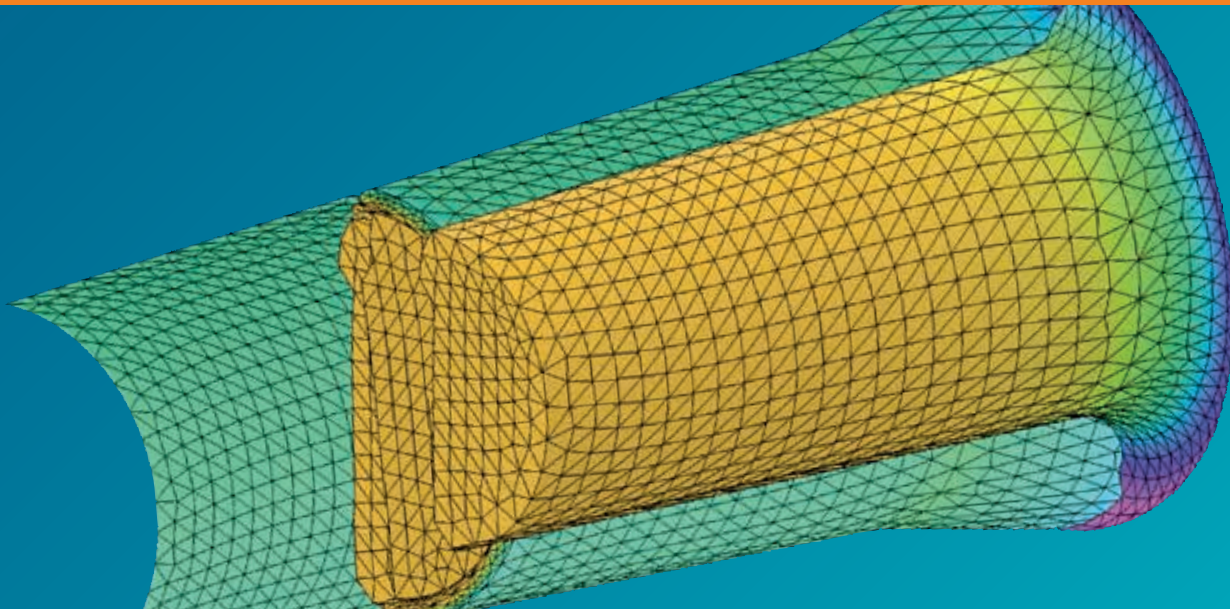
## Our team consists of experts with years of experience in the areas of:

- Project management
- Development
- Construction, electrical and mechanical design
- Material- and manufacturing technology
- Application technology
- Numerical 3D calculation
- Standardization and specification in national and international expert panels

## Your Benefits

- Selective use of external expertise without permanent costs
- Solution in case of staff shortage
- Innovative and efficient services in each project phase

# Benefit from the versatility of our services



## Type tests and inspections during production

- Organization and support of approval tests such as development tests, types tests according to IEC or IEEE or tests according to customer specifications
- Layout of electrical routine and sample tests for optimal quality assurance
- Integration of routine tests in the manufacturing process

## Your Benefits

- Years of experience in type testing in the field of cable accessories and routine testing during production

## Services

- Optimization of existing production facilities for stress cones and joint bodies
- Development support: transfer of specific construction design or adaptations of existing solutions
- Electrostatic field calculations in 3D with data acquisition from various CAD programs
- Order-specific preparation of 3D drawings using the CAD tool Solid Edge, export of files in different formats

## Your Benefits

- Purchase of expensive software for electromagnetic field calculations or 3D design can be saved for special solutions through our services

# From tender stage to implementation – we support you



## Design of high- and medium-voltage cable systems

- Assistance in the preparation of tender documents for high- and medium-voltage cable systems
- Engineering of high- and medium-voltage cable systems for on- and offshore projects (OWP)
- Supervision / support of projects in the implementation phase
- Organisation and realization of factory acceptance tests and commissioning tests on site
- Documentation

## Your Benefits

- Our expertise and experience solve complex customer requirements
- Competent advice and reliable design of system components
- In time construction processes up to professional and complete technical approval

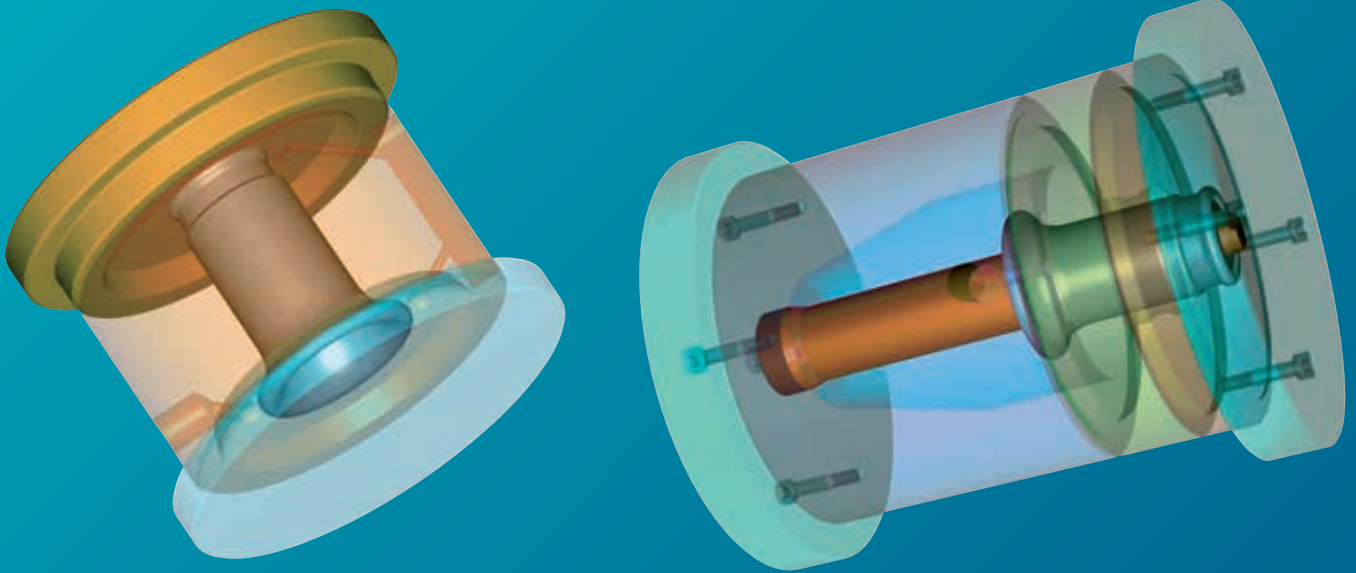
## Technical expertise

- Check up of design of high- and medium-voltage cable systems
- Assessment of individual components of XLPE cable systems
- Analysis in case of damage of cable and cable accessories
- Support of repair measures

## Your Benefits

- Independent expert opinion on cause of damage
- Many years of experience in this specialized field
- Our team combines expertise from different areas: product development, production technology, application

# Our strength are engineering know-how and industry expertise



## Engineering and supply of prototypes

- Metal parts (structural elements and conductors)
- Insulating parts
- Sample tools for elastomer components (i. e. deflectors, insulators, stress cones and joint bodies)
- Prototypes and small series

## Your Benefits

- Fast and cost-effective production of prototype tools through our long-standing partners in the field of tool making
- Fast delivery and low cost for prototypes
- Use of identical materials as in the series production
- Prototypes are fully applicable for type tests
- Small batches for first customer orders without large investments in series tools and machinery
- From order placement to final acceptance of the finished prototype stresscon covers all the necessary steps and activities

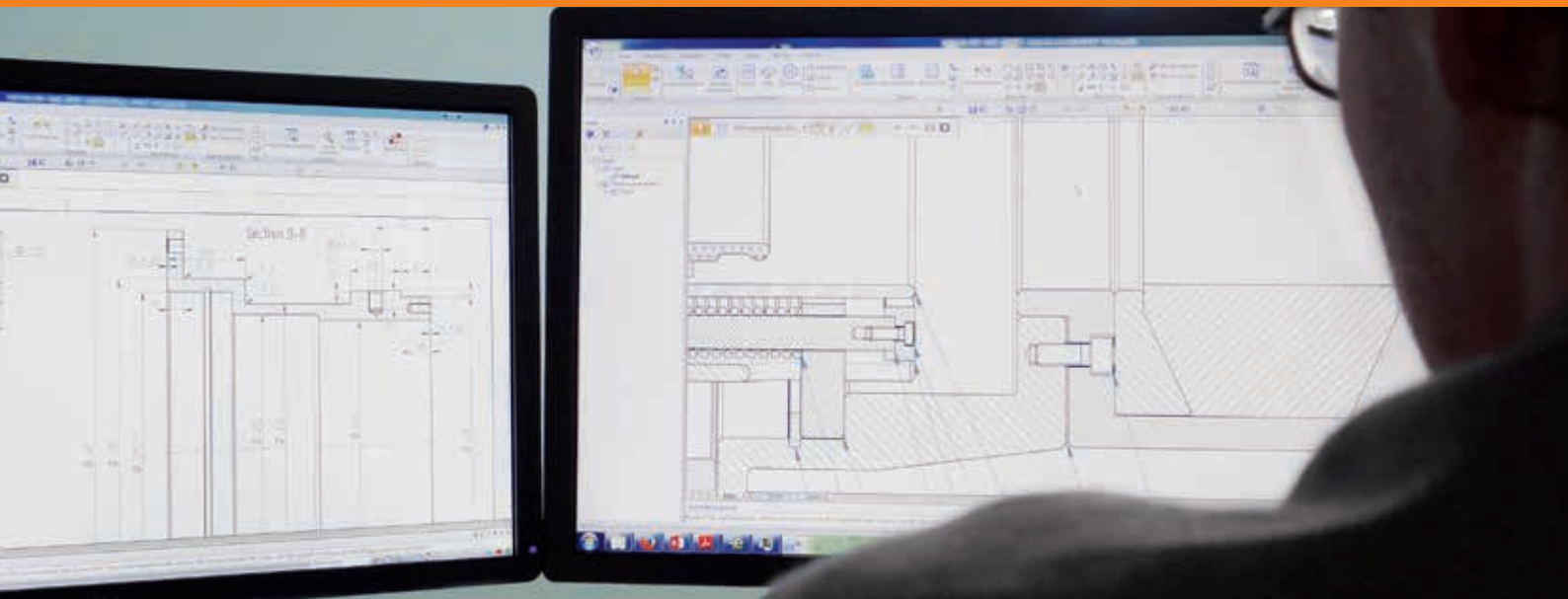
## Layout of production for elastomer components

- Choice of production processes and technologies
- Observance of materials used, component geometry and quantities
- Layout of series tools for conductive and insulating elastomer components
- Specification and selection of production machines
- Selection of suppliers for tools and equipment, support during certification
- Production layout with optimal value stream
- Support during series start in your production and training of your production staff directly at the machine

## Your Benefits

- Assistance from planning to implementation of your own elastomer production
- Optimal selection of manufacturing processes and procedures
- High quality and manufacturing-cost optimized production
- High availability of the elastomer components for your customers

# Your development project in the very best hands



## References

- Construction of a new generation of dry-type terminations for voltages of 170 kV, 245 kV and 420 kV
- Design of a complete cable accessory family for voltages from 72,5 kV up to 245 kV
- Development of a new technology of bolted connector for large conductor cross sections and enamelled wires
- Construction of routine test facility for stress cones and joint bodies up to 550 kV
- Factory acceptance tests (routine and sample tests) at several cable manufacturers for customer

Confidentiality in our services and cooperative ventures for us is self-evident. We ask your understanding for not disclosing details and partners of our projects.



**strescon GmbH**  
Roentgenstraße 30  
73730 Esslingen am Neckar  
Germany

Phone +49 711 1200 84-11  
Fax +49 711 1200 84-19  
Mail [info@strescon.de](mailto:info@strescon.de)

[www.strescon.de](http://www.strescon.de)