



# DEPENDABLE DESIGN, DEVELOPMENT AND MANUFACTURING



Products and services  
around the world

Satisfied customers worldwide -  
and after 10 years

Decades of experience testing  
electrical power supply cables and  
equipment

ABOUT ACA

# DEDICATED TO DEPENDABILITY



If you are involved the electrical power supply business,  
then you know the importance of  
reliable cable connections and accessories.

With decades of experience testing electrical power supply cables and equipment, our founders wanted to improve the design, dependability and affordability of various cable accessories used in medium/high voltage power supply systems. Thus in 2013, aca was established.

Combining expertise, passion for quality and tailored manufacturing capabilities, aca now specialises in the design, development and manufacture of liquid

silicone rubber (LSR) cable accessories and related consulting services.

Whether you are manufacturing equipment or components for power networks, you will find aca a reliable partner.

After more than 10 years, with satisfied customers using our products all over the world, we have lived up to our founding motto: no dismay with aca!





# CONTRACT MANUFACTURING



advanced cable accessories AG (aca) is a world-class manufacturer of liquid silicone rubber (LSR) based high voltage cable accessories and related components.

Are you an OEM - Original Equipment Manufacturer of high/medium voltage cable and switchgear?

Then aca could be your ideal partner. We manufacture medium to high voltage cable accessories and components – working to your design and specifications.

Thanks to our materials technology expertise, 3D digital modelling platforms and decades of experience, we can optimise components according to your requirements or offer our own value-adding designs.

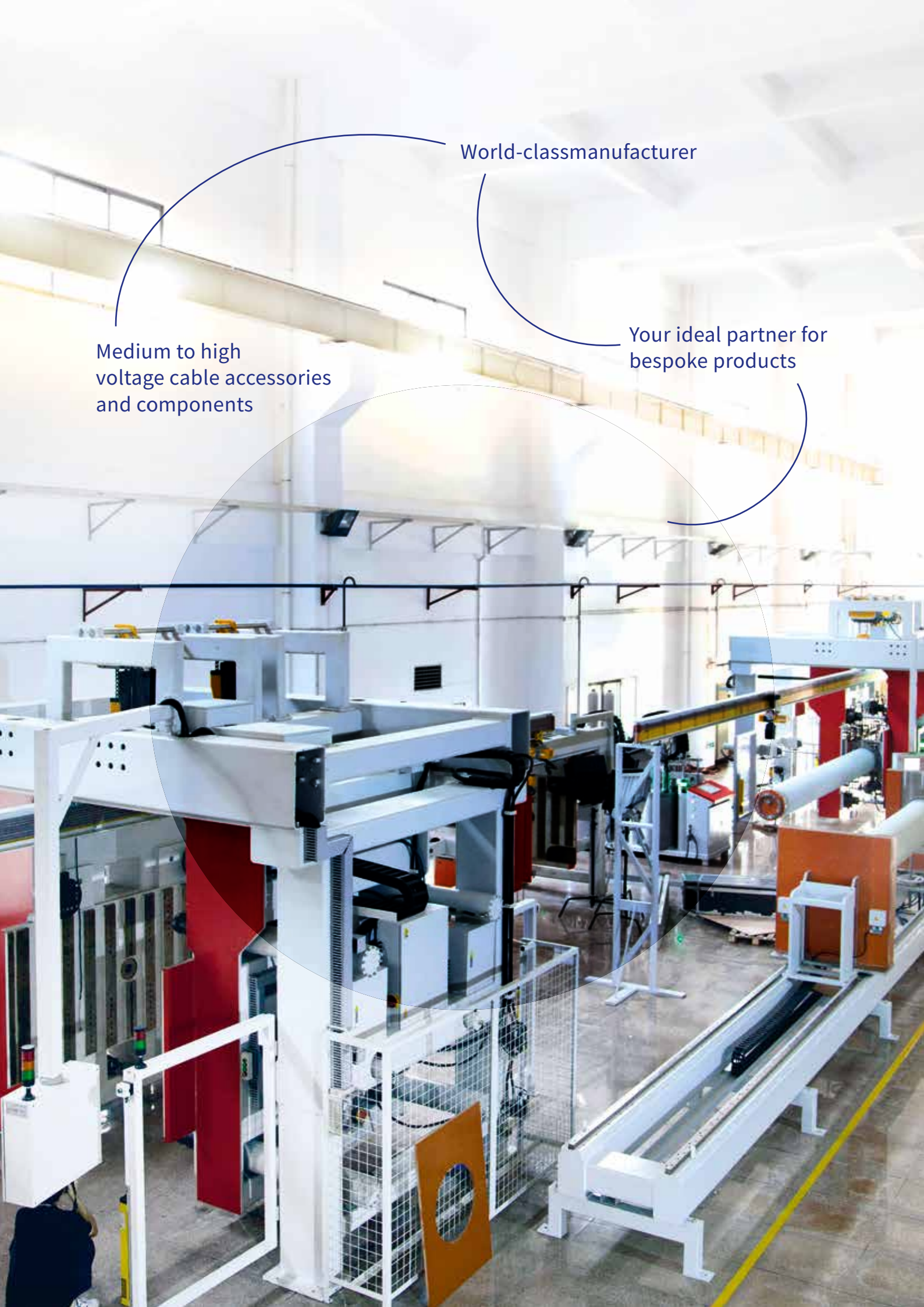
aca combines the best of both worlds:

proven technology expertise combined ...

... with highly flexible manufacturing facilities.







World-class manufacturer

Medium to high voltage cable accessories and components

Your ideal partner for bespoke products

# MANUFACTURING FACILITIES



With streamlined processes and cost-effective manufacturing capabilities, we love accommodating customer specific requirements.

Our 3,000 m<sup>2</sup> (32,000 sq. ft.) state-of-the-art factory, built in China in 2013, is managed by experienced engineers and features liquid silicone rubber (LSR) processing lines as well as mould manufacturing tools and facilities for mixing, coating, laminating, spraying and surface protection.

We also have an in-house metal processing workshop where we can manufacture parts for hybrid silicone-metal components. And extra requirements can still be easily sourced from reliable partners and integrated into the final product. From components to complete assembly kits, aca is the dependable way.





# CONSULTING



Our first-hand experience spans the entire high voltage power network lifecycle. Thus we are a preferred partner for consulting services, production support and quality assurance.

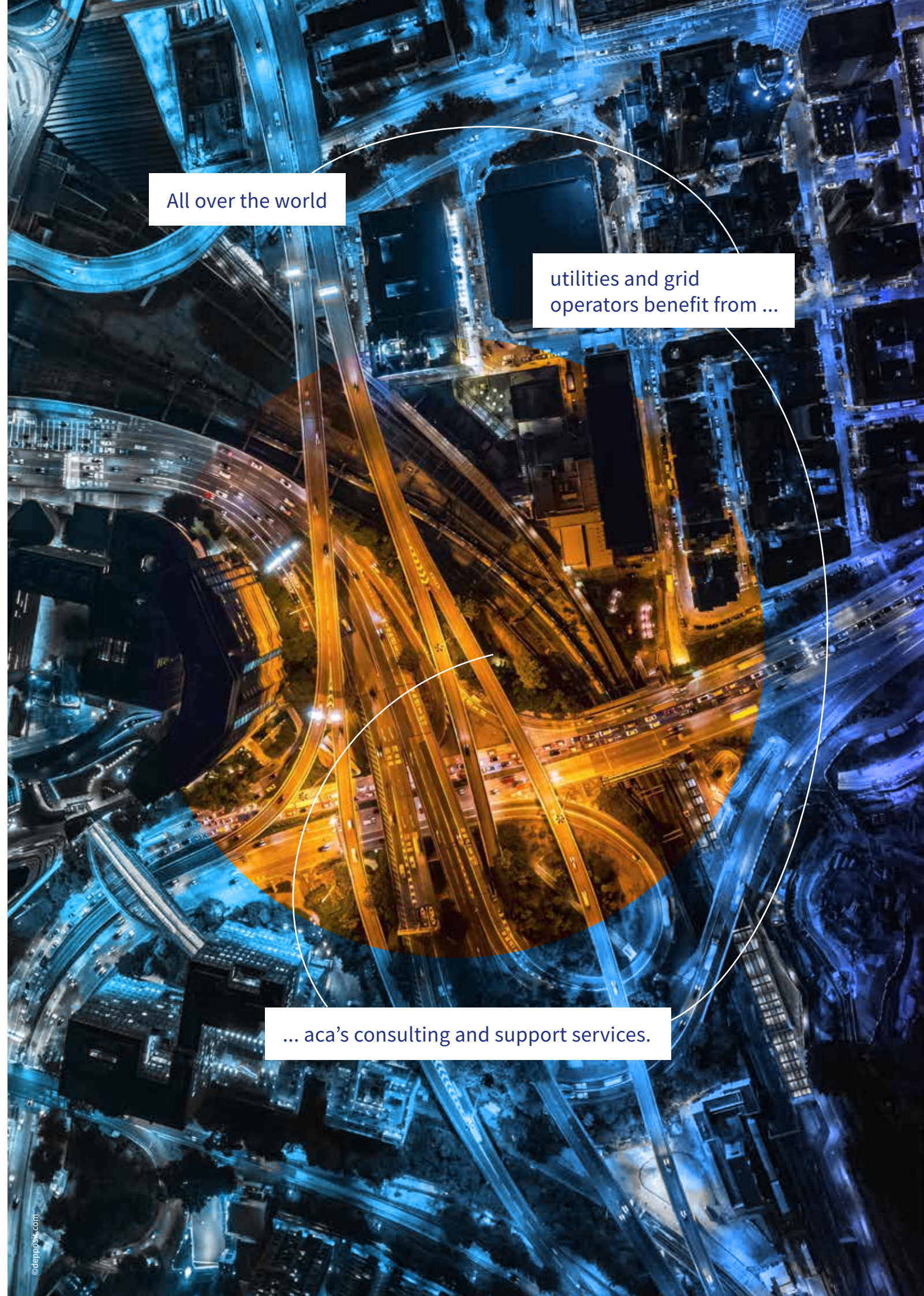
We have in-depth understanding of medium and high voltage applications. Using optimized tools and methods we can make accurate condition assessments of networks and power plant assets. What about in-house and on-site facilities for testing? We offer equipment and training to enhance our customers, own capabilities.

Do you need to plan or manage a manufacturing facility for your own LSR products? Whether you are producing commodities or large volumes of bespoke components, by partnering with aca you can enhance your engineering capabilities and cost-effectively differentiate your company with optimised product designs and production processes. We offer everything from specific 3D-digital modelling studies to total solutions involving complex production line integrations.

All over the world

utilities and grid operators benefit from ...

... aca's consulting and support services.







## » ACA'S PRODUCT PORTFOLIO

aca is your dependable partner for world-class cable accessories or related engineering and consulting services. Our portfolio covers medium and high voltage cable accessories, on-site condition assessment equipment and Green Solutions precision metering instruments.

### Medium voltage cable accessories

(12 kV – 60 kV)

We offer all types of joining, splicing and terminating kits for solid dielectric cables (XLPE, EPR) in the medium voltage range including:

- » Porcelain or silicone insulators
- » Outdoor, GIS/Transformer, self-supporting
- » Individual components: stress cones, couplings, connectors



### High voltage cable accessories

(69 kV – 245 kV)

We offer all types of joining, splicing and terminating kits for solid dielectric cables (XLPE, EPR) in the high voltage range including:

- » Joints and splice kits for solid dielectric cables (XLPE, EPR)
- » Terminations for solid dielectric cables (XLPE, EPR)
- » Individual components: couplings, elbow connectors

### Medium and high voltage equipment components

(20 kV - 800 kV)

PARTIAL DISCHARGE COUPLERS CD-17 AND CD-24

We offer components for condition assessment including:

- » Partial discharge sensor for rotating machines and other applications
- » Continuous online monitoring, periodic PD measurements



### DAC cable test devices

Accurate condition assessments allow plant and cable operators to minimize the risk of failures through preventative maintenance? Our DAC MV and DAC H systems covering the medium (60 kV) and high voltage (345kV) ranges respectively, are easily transportable test systems for voltage withstand tests, PD analysis and fault localization.

Compact, lightweight, and versatile, they feature automatic standard and customized testing, evaluation and report generation in accordance with IEC 60840.



### Optical precision measurement

To establish the technological base for smart grids, we offer Green Metering solutions – innovative digital instruments for optical current and voltage measurement. Do you want to be on the cutting-edge of smart grids and digital substation developments?

Then you need our Green Solutions high precision metering instruments.

We offer:

- » Cutting-edge optical digital tools for more precise measurements of current and voltage
- » Tools for the transition towards fully digital, carbon-neutral substations
- » Intelligent solutions to lead in a smarter electric power industry





» THE GLOBAL SUCCESS OF ACA:  
our equipment and products are used in  
Egypt, China, India, Poland,  
Switzerland, Sweden and Germany.

For more information:

**advanced cable accessories AG**

Emmetiweg 19  
6078 Bürglen  
Switzerland

Phone: +41 41 6781104  
eMail: [info@a-c-a.eu](mailto:info@a-c-a.eu)  
**[www.a-c-a.eu](http://www.a-c-a.eu)**