

**SEVES**

**SEDIVER**



**Experts and Pioneers  
in transmission insulation technology**

# Sediver

For more than 60 year, Sediver has specialised in the research, design, manufacturing and testing of glass and polymer insulators and surge arresters used in the power generation and power transmission with a complete range of products, from medium voltage up to Ultra High Voltage (800 kV DC & 1.000 kV AC).

Our unique know-how, gained through field experience, research capability and state-of-the-art laboratories, as well as close cooperation with utilities, makes us the partner for innovation, able to develop and provide solutions to customers for High to Ultra High Voltage insulation and protection.



## Sediver insulators for overhead transmission line:

### Sediver toughened glass insulators



#### Toughened glass insulators

from 40 kN up to 760 kN

- > 60 years of worldwide experience
- > 500 million insulators in service up to 800 kV DC & 1.000 kV AC
- > 5 profiles designed to operate under any climate and contamination conditions
- > Annual manufacturing capacity above 18 million units

### Sedicoat® insulators



#### RTV Silicone coated toughened glass insulators

from 70 kN up to 550 kN

- > Enhanced performance under extreme pollution over 18 years in service
- > 1 million insulators in service up to 400 kV HVAC
- > Standard, fog type and open type profile

### Sediver composite insulators



#### Composite insulators

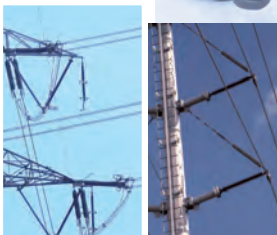
from 40 kN up to 600 kN

- > 30+ years of worldwide experience in EPDM and silicone covering materials
- > 5 million insulators in service on High Voltage & Extra High Voltage transmission lines up to 765 kV

#### ZnO composite surge arresters

Classes I, II and III

- > 30+ years of composite injection molding technology to support our state-of-the-art surge arresters for High Voltage lines
- > 300.000 surge arresters in service worldwide from 45 kV up to 500 kV





# Sediver, a global customer reach

- > Proximity of service to customers thanks to an extensive industrial and sales network footprint
- > 9 plants and storages that guarantee uninterrupted supply, on-time delivery and capacity to supply large projects
- > 50+ year relationships with utilities provide unique insight to client needs



All our manufacturing plants are ISO 9001 certified and are governed by the same Quality Assurance program and organization. This ensures that all Sediver insulators are manufactured following the same methods and procedures, according to the one single Sediver quality standard.

## Center of Expertise

60 years of innovation and customer technical assistance

Our Innovation & Technical Engineering Center directs a network of scientists and technical experts - including Research laboratories and regional teams and testing laboratories around the world.

By continuously developing innovative new technologies and improving existing ones, ITE aims to provide products and services that add value for our customers.

### Testing facilities:

ITE facilities are amongst the most advanced high voltage laboratories worldwide, with accreditation recognized by more than 70 organisms in over 50 countries around the world.

The cutting edge research center houses the latest technology and equipment to effectively develop innovative technologies and to evaluate and improve product performance and lifespan through simulated environmental chambers, ageing and endurance test and high voltage testing.



Saint-Yorre Research center, France



Bazet High Voltage laboratory, France



Vibration test for 800kV UHVDC TL at Bazet High Voltage laboratory, France

# Trusted over the years

## Utilities served by Sediver

- Abu Dhabi **ADWEA/ADCO** · Algeria **SONELGAZ/GRTE** · Angola **EDEL** · Argentina **ALUSA/CARTELLONE/COBRA/ELECNOR/INTESAR/ISOLUX/LICSA/LITSA/TRANSBA/TRANSENER/TECHINT/TEYMA ABENGOA**
- Austria **OKA/EVN/VERBUND** · Australia **POWERLINK/TRANSGRID/ELECTRANET/ENERGEX/ERGON/SP AUSNET** · Belgium **ELECTRABEL/SNCB** · Benin **SBEE** · Bosnia & Herzegovina **EPBIH** · Botswana **BPC**
- Brazil **ABENGOA/ALUSA/CHESF/CEMIG/COBRA/CTEEP/CYMI/ELECNOR/ELETRONORTE/ELETROSUL/ENGEVIX/FURNAS/IE Madeira (LT 600HVDC)/ ISOLUX** · Burkina Faso **SONABEL** · Burundi **EGL**
- Cameroon **SONEL** · Canada **ATCO/ALTALINK/BC HYDRO/HYDRO ONE/HYDRO QUEBEC/MANITOBA HYDRO/NEWFOUNDLAND HYDRO/NB POWER/NS POWER/SASKPOWER** · Cape Verde **ELECTRA**
- Central African Republic **ENERCA** · Chad **STEE** · Chile **ABENGOA/ALUSA/CHILECTRA/CHILQUINTA/COBRA/COLBUN/ELECNOR/ISOLUX/TRANSELEC** · China **NCPG/NWCPG/CCPG/ECPG/FWCPG/CSG**
- Congo (DRC) **SNEL** · Colombia **ISA/ELECTRICAS DE MEDELLIN/EMPRESA DE ENERGÍA DE BOGOTÁ/DESPROING/TRANSELCA** · Costa Rica **ALUSA/I.C.E./CYMI**
- Croatia **HEP** · The Czech Republic **CEZ** · Cyprus **ELECTRICITY AUTHORITY** · Denmark **ENERGINET** · Djibouti **DJIBELEC** · Dubai **DEWA/MEW** · Ecuador **TRANSELECTRIC** · Egypt **EETC** · Ethiopia **EEPCO**
- Finland **SLO-IVO** · France **ERDF/RTE/SNCF** · Gabon **SEEG** · Germany **AMPRION/PREUSSEN ELECTRA/VEAG** · Ghana **VRA/ECG** · Greece **PPC** · Guatemala **ETCEE/DEOCSA/DEORSA** · Guinea **ENELGUI**
- Honduras **ENEE** · Hong Kong **CLP** · Hungary **MVM** · Iceland **LANDSVIRKJUN** · India **PGCIL**
- Indonesia **PLN** · Iran **BREC/GREC/HREC/FREC/KWPA/SABREC** · Iraq **MOE ETP/ KRG** · Ireland **ESB**
- Italy **ENEL/TERNA/RFI** · Ivory Coast **SOPIE/CIE** · Japan **TEPCO/TOHOKU/KEPCO** · Jordan **NEPCO**
- Kenya **KLPC** · Laos **EDL** · Lebanon **EDL** · Lesotho **LEC** · Liberia **LEC** · Libya **GECOL** · Luxembourg **SNCL/CEGEDEL** · Madagascar **JIRAMA** · Malaysia **TNB** · Mali **EDM/SOGEM** · Mauritius **CEB**
- Mauritania **SOMELEC** · Mexico **ABENGOA/COBRA/CYMI/ISOLUX/SADEMEX/TECHINT** · Morocco **ONE**
- Mozambique **EDM/HCB** · Namibia **NAMPOWER** · Netherland **SEP/NUON/EDON/MEGA/EZH/PNEM**
- New Hebrides **UNELCO** · New Zealand **TRANSPower** · Nicaragua **ENEL** · Niger **NIGELEC**
- Nigeria **PHCN** · Norway **STATNETT** · Oman **PDO** · Panama **ETESA** · Paraguai **ANDE/CIE/CONCRETMIX/TECNO-ELECTRIC** · Peru **ABENGOA/CAMESA/ISOLUX/RED DE ENERGÍA DEL PERU/PROYECTOS DE INFRAESTRUCTURA DEL PERU** · Poland **PSE** · Portugal **REN** · Romania **NEK** · Rwanda **ELECTROGAZ**
- El Salvador **CEK/DELSUR/CLESA/DEASEM/EEO** · Saudi Arabia **SCECO** · Senegal **SENELEC**
- Slovenia **EPS** · Spain **FECSA/IBERDROLA/REE/SEVILLANA/ENDESA/U.FENOSA** · Sri Lanka **CEB**
- South Africa **ESKOM** · South Korea **KEPCO** · Sudan **NEC** · Sweden **SSPB/SVK** · Syria **PEEGT**
- Tanzania **TANESCO** · Thailand **EGAT** · Togo **CEET/CEB** · Tunisia **STEG** · Turkey **TEAS** · Uganda **UEB**
- United Kingdom **NGT/SP/SSSE** · USA **BPA/FPC/PPL** · Uruguay **UTE** · Venezuela **CORPOELEC/SURADEN**
- Vietnam **NPPMB - CPPMB - SPPMB** · Yemen **PEC** · Zambia **ZESCO** · Zimbabwe **ZESA**

### Sediver Business Unit

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