

# SEDIVER



## THE WORLD LEADER IN TRANSMISSION INSULATION TECHNOLOGY

With 70 years of experience on worldwide power networks and permanent investment in R&D, Sediver has gained a true expertise in research, design, manufacturing and testing of insulators up to very high voltages as well as for railway catenary systems. Sediver ensures the highest reliability and performance of transmission systems throughout the service time of the line, under all environmental conditions. Products, systems and services

- /// 600+ million toughened glass insulators supplied up to 1,000 kV AC
- /// 11+ million HRTG insulators up to 800 kV DC on all major HVDC T/L
- /// 4.5+ million Sedicoat insulators in the heaviest polluted environments
- /// Real-time monitoring & predictive maintenance services
- /// Technical services for T/D line insulation design & end-of-life diagnostics

## RESEARCH & DEVELOPMENT: a continuous investment

Always on the lookout for the latest technological improvements, Sediver heavily invests in Research & Development and has pioneered some of the major innovations of the industry, with 120 active patents to its name.

The Sediver Research Center located in Saint-Yorre, France boasts state-of-the-art equipment that allows its multidisciplinary world-class experts to perform unique research programs as well as tests on complete strings for systems up to 800 kV.

Through its unique technical expertise, gained over more than 70 years of R&D combined with its worldwide field experience, Sediver is constantly increasing the reliability of its products.

Sediver is a key partner for innovation, through its proficiency in developing and providing top quality innovative solutions.

# SEDIVER

 [www.sediver.com](http://www.sediver.com) /  [info@sediver.com](mailto:info@sediver.com)

## SEDIVER HIGH-VOLTAGE LABORATORY TEST CENTER OF BAZET

Our worldwide laboratories network includes a extra high voltage laboratory established in 1954 in Bazet, South West of France. This laboratory allows Sediver to carry out full string tests to evaluate and optimize line insulation including a state of the art AC/DC pollution facility and a full string vibration system

### Capabilities overview:

- /// Testing of fully equipped insulator sets with fittings, up to 800 kV AC system
- /// Indoor test hall exceeding 1200 m<sup>2</sup> area x 26 m height.
- /// Full string testing according to all International Standards used by Utilities worldwide
- /// Full string vibration testing up to 800 kV system
- /// Full string pollution testing according to IEC 60507 and IEC 61245
- /// ISO/IEC 17025 Accredited since 1995: C.E.B. is used by many Utilities as an independent laboratory

# OUTSTANDING QUALITY



## SEDIVER PRODUCTION SYSTEM:

We established our own distinctive manufacturing process

Sediver production system is made up of 3 plants (China, Europe and USA) which guarantee uninterrupted supply, on-time delivery and capacity to respond to large projects worldwide.

- /// Customized processes using unique raw materials selection
- /// Fully automatic processes monitored & audited permanently
- /// Stringent quality & production inspection
- /// Product performance monitored by factory laboratory
- /// Strict qualification of our suppliers
- /// Individual comprehensive traceability for each product
- /// Proven performance over the years: shattering rate acknowledged by utilities <math>< 1/10.000</math> per year



## HVAC & HVDC TOUGHENED GLASS INSULATORS:

For all your projects

Sediver's team of experts provides world-class technical support that covers every stage of the line insulation process: selecting the best solutions, optimizing insulator string configuration, providing accurate diagnostic of lines in service.

- /// Conduct **field or lab assessments** on glass, composite, and porcelain insulators, thanks to our worldwide network of labs
- /// **Aging and pollution** assessment all over the world
- /// Network of **laboratories and expertises** in all our facilities
- /// Digital **smart insulation solution** for real-time pollution monitoring
- /// **Customized insulator solutions** with dedicated quality program
- /// **Training courses and joint research** programs to solve specific line insulation design or performance issues



## SEDIVER SERVICES:

By your side throughout your installation's lifecycle

Built on the highest quality requirements Sediver's exclusive technology benefits from the latest technological advances and relies on engineering know-how, distinctive manufacturing processes, in-house designed equipment, stringent quality systems and production controls that ensure highest purity of the glass produced. It result in optimum operating performance and lowest life cycle cost.

- /// **HVAC:** Broad range of products from Medium up to Ultra High Voltage (UHV), 70+ years of global experience, 600+ million insulators up to 1,000 kV, From 70 kN up to 840 kN
- /// **HVDC:** Sediver High Resistivity Toughened Glass insulators (HRTG), 50+ years of global experience, 11+ million insulators, Up to 800 kV
- /// **Sedicoat insulators:** RTV Silicone coated glass insulators 20+ years of proven performance, 4.5+ million insulators, up to 500 kV HVAC &  $\pm 800$  kV HVDC

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