



The reference in distributed fiber sensing



WHO WE ARE

To Protect and To Save

FEBUS optics is **the world reference in DFOS, distributed fiber optic sensing systems (DAS, DTS and DSS)**, to **reduce the environmental impact of human activity, protect people, and optimize production.**

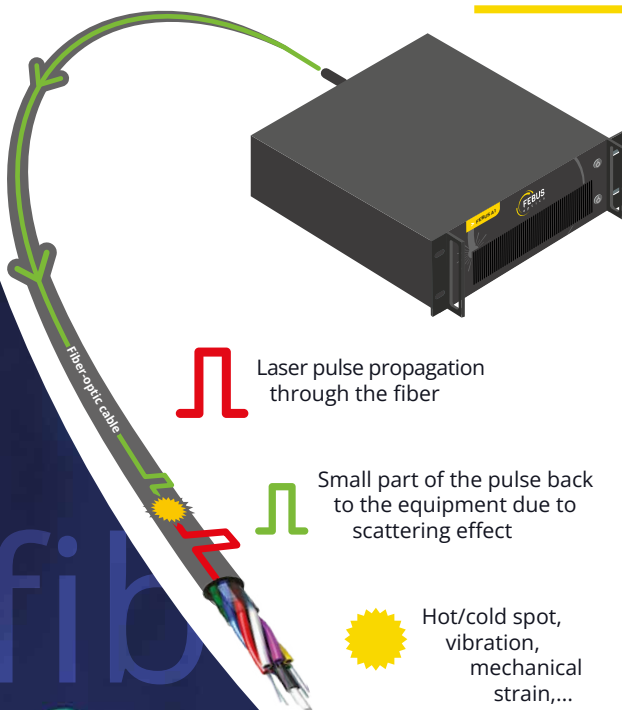
Our mission: « **To Protect and To Save: Protect People and Asset – Save Ressources and Energy** »

We provide **state-of-the-art devices and comprehensive solutions based on our patented technologies**, developed by our R&D department.

Internationally established, we offer **customized equipment and a wide range of worldwide on-site services.**

FEBUS Optics combines excellence and reliability to meet its clients' challenges thanks to its **expertise, its highly qualified and experienced team, and its dedicated Test Center.**

WHAT WE DO



OUR OFFER



Your partner from OEM to Turnkey solutions

Stand-alone device

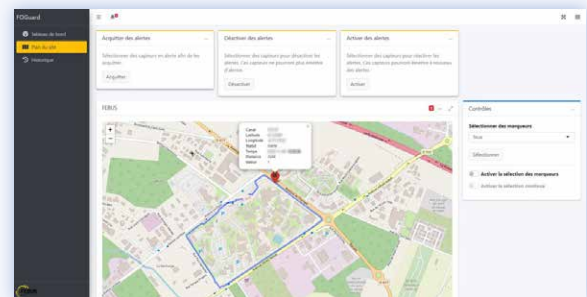
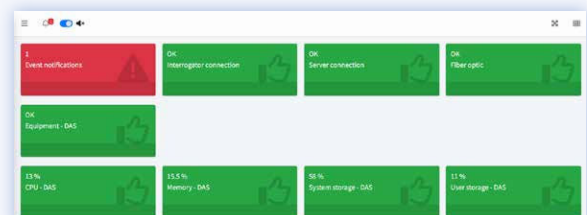
A1/G1/T1



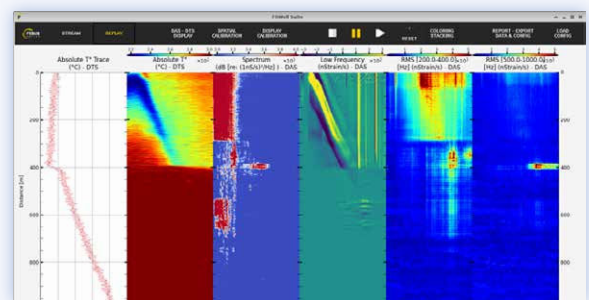
or

FEBUS comprehensive solutions

- > **FOGrid**
cable monitoring
- > **FOPipe**
pipeline monitoring
- > **FOGuard**
intrusion detection



> FOWell well monitoring



including

A1/G1/T1



FO Suite proprietary dedicated software

- Automatic alert notification
- Localization & visualization of the alert on a map
- Dedicated algorithms, event recognition & classification using Machine Learning
- Communication protocol MODBUS/IP

Any other projects to submit?

CONTACT US

OUR TECHNOLOGIES

The world's largest range of DFOS devices on the market

Our interrogators provide very high performances combining state-of-the-art sensitivity, long distance range, and very high accuracy and robustness.



FEBUS A1 Distributed Acoustic Sensing (DAS, Rayleigh)

FEBUS T1 Distributed Temperature Sensing (DTS, Raman)

FEBUS G2 Independent Distributed Temperature and Strain Sensing (DTSS, Brillouin)

FEBUS G1-R Distributed Temperature and Strain Sensing (DTSS, Brillouin)



FEBUS G1-C
Portable Distributed Temperature and Strain Sensing (DTSS, Brillouin)

FEBUS REM
Range Extension Module



All our interrogators come with a **3-years warranty** (part and labor)



Cable monitoring FOGrid

YOUR BENEFITS

- Reduction in maintenance costs
- Time savings during intervention
- Reduction of environmental impact

OUR SOLUTION

- Monitoring during transpooling & deployment
- Thermal events
- Electrical events
- Mechanical events



Pipeline monitoring FOPipe

YOUR BENEFITS

- Prevention of environmental impact
- Reduction of human risks
- Increase in profitability

OUR SOLUTION

- Pipeline integrity
- Safety & Security
- Geohazards
- Water
- CO2, H2
- Oil & Gas



FOWell
well monitoring

YOUR BENEFITS

- › Production monitoring & optimization
- › Workover operations optimization
- › Reduction of environmental and human risks

OUR SOLUTION

- › Well integrity
- › Geothermal well monitoring
- › Unconventionals & frac
- › Reservoir monitoring
- › VSP
- › Carbon Capture and Storage (CCS)



SHM
structural health
monitoring

YOUR BENEFITS

- › Protection of the population & the environment
- › Costs optimization (investments & maintenance)
- › OPEX & APEX pooling

OUR SOLUTION

- › Bridges
- › Tunnels
- › Roads & Railways
- › Power plants
- › Dams
- › Dikes



FOGuard
intrusion detection

YOUR BENEFITS

- › Real-time alerting at all locations
- › Prevention of malicious acts
- › Complementarity with any surveillance systems (cameras, drones, etc...)

OUR SOLUTION

- › Borders
- › Prisons
- › Oil & Gas sites
- › Airports
- › Data centers
- › Military sites
- › Power plants



**SEISMIC ACQUISITION
& NATURAL HAZARDS**

YOUR BENEFITS

- › Dedicated optical fiber or shared-usage optical fiber (telecom fiber)
- › Onshore & Offshore

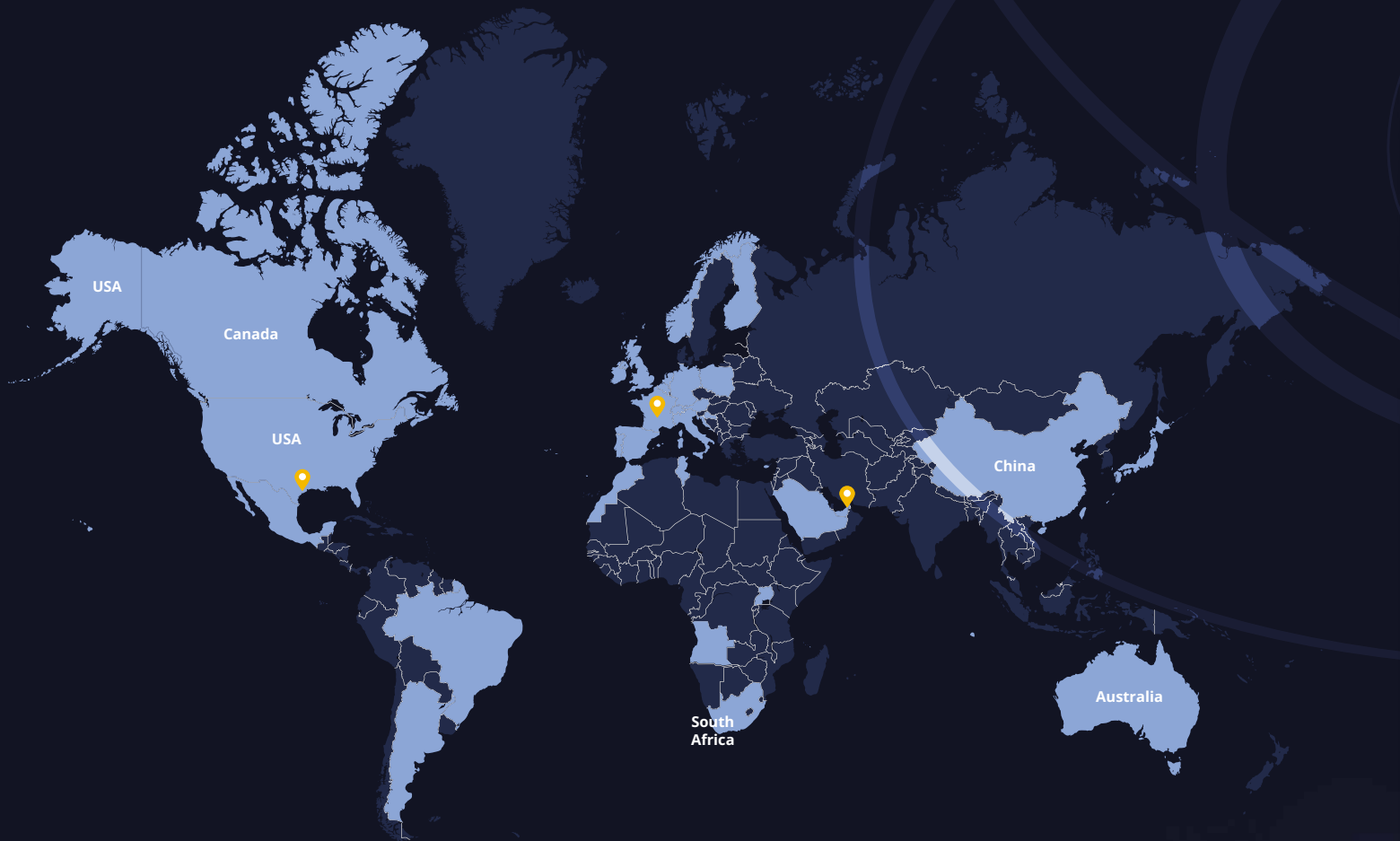
OUR SOLUTION

- › Natural hazards monitoring
- › Reservoir characterization (VSP, well integrity, flow monitoring)
- › Seismic imaging

OUR SERVICES

Services & supply in more than 35 countries

- Preliminary study
- Assistance in the choice or supply of the fiber optic cable
- On-site or remote implementation of our solutions
- Spatial and signal calibration
- Tailored training
- Maintenance and continuity of service
- On-custom remote and on-site support



CONTACTS > info@febus-optics.com

FRANCE

FEBUS Optics Headquarter
+33 (0)5 64 27 07 43

**FEBUS Optics Test Center
Sophie Germain**
Zone Europa
5-7 rue Sophie Germain
64000 Pau

UNITED STATES

FEBUS Inc.
+1 832 795 7427
15040-A North Eldridge Pkwy
Cypress TX 77429

UNITED ARAB EMIRATES

FEBUS Optics UAE
+971 (0)4 312-6717
Oud Metha Road - 18th Street
Dubai

MALAYSIA

(+60)13 343 1125
[WhatsApp preferably]

2A-6-2, 6th Floor,
Plaza Sentral
Jalan Stesen Sentral 5,
50470 Kuala Lumpur



febus-optics.com