

**Bespoke sensing technologies  
and craftsmanship**





# Who are we?

TEXYS was founded 20 years ago by Etienne Deméocq (former Head of Electronics of the Ligier Formula 1™ team, later Prost Grand Prix), and has been developed across the globe over the years with his business partner Philippe Leuwers. TEXYS is now one of the leading manufacturers of electronic sensing devices.

**At TEXYS we design, develop, manufacture and trade our wide range of TEXENSE® sensors for embedded measurement and monitoring** (pressures, loads, temperatures, speeds, inertias) and we are globally recognised as experts in different technologies (infrared, optical fiber, strain gauging, wireless communication, signal conditioning).

TEXYS Group recently expanded its bespoke development capabilities with the optical fiber technology activity, thanks to the acquisition of both Optel-Thevon (now OPTEL-TEXYS) and Light Guide Solutions (now LGS by TEXYS).

Our products and services are widely used and relied upon in various industries: Motorsport (from National Junior Series to World Championships such as Formula 1™, NASCAR™, Indycar™, Moto GP™, Endurance and Rally), Aeronautic, Aerospace, Automotive Industry (Manufacturers, OEMs and Tier 1 Suppliers), Marine, Shipbuilding, and the Railway Industry.



# Our values

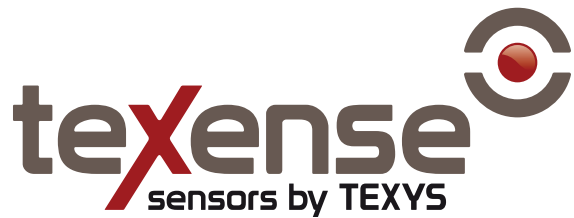
TEXYS Group's DNA is rooted in Motorsport, the demanding and high-level expectations of such an environment has guided us to set natural objectives: to manufacture products at the **highest level of quality**, to offer exceptional **responsiveness** and **flexibility**. Those values are the cornerstone for the business relationships with our customers and partners.



Within the meticulous and complex world of embedded electronics, our enthusiasm to take on new challenges drives us to offer creative, enhanced, and bespoke technological solutions to meet our customers' performance expectations.

Focused on results, our experienced staff are used to short development cycles, with quality and lead times as top priorities. Thanks to **20 years of craftsmanship in sensor technologies**, we can provide turnkey solutions from initial ideas through to the finalised product and full client support.





## LEADING THE FIELD IN SENSOR TECHNOLOGY

**TEXENSE® is the range of products designed, manufactured, and distributed by TEXYS, who develop unique and patented technologies.**

Specialists in contactless infrared temperature measurement, we can provide a tailored solution to suit any installation and level of emissivity. Our range covers single, multipoint, and wireless IR measurement all with class leading accuracy and reliability.

Our accelerometers, gyroscopes, inertial modules, and aerodynamic sensors combine optimized mechanical packaging, reliability, accuracy and signal conditioning.

Our strain gauging service is entirely managed within our production facilities (in France at TEXYS, and in the USA at Remote Mechanical Sensing LLC, subsidiary of TEXYS America LLC), and takes advantage of the in-house developed XN4 digital amplifier: mechanical customer parts can be strain gauged with a quick turn-around, and specific products such as the TEXENSE® WTS (Wireless Torque Sensor) illustrate our know-how on the complete application (strain gauging, radio transmission and signal conditioning).

ISO 9001

BUREAU VERITAS  
Certification



## H2 Motronics

ADVANCED RESEARCH

OUR ELECTRONIC AND MECHATRONIC  
R&D OFFICE FOR CUSTOMER PROJECTS

**H2 MOTRONICS Advanced Research, is a R&D office dedicated to customer projects in electronics, sensor fusion, IoT (Internet of Things) and mechatronics, providing tailor-made bespoke solutions.**

H2 Motronics' main activity is engineering consultancy offering design and development of technical products (including machines & test benches equipment, electromechanical systems, ground vehicles of all types) and manufacturing or assembly processes.

TEXYS Group has chosen, for the proper monitoring of dedicated customer projects, to install H2 Motronics at "L'Inkub", on the incubator site for start-ups and small innovative companies, set up by the Nevers agglomeration.





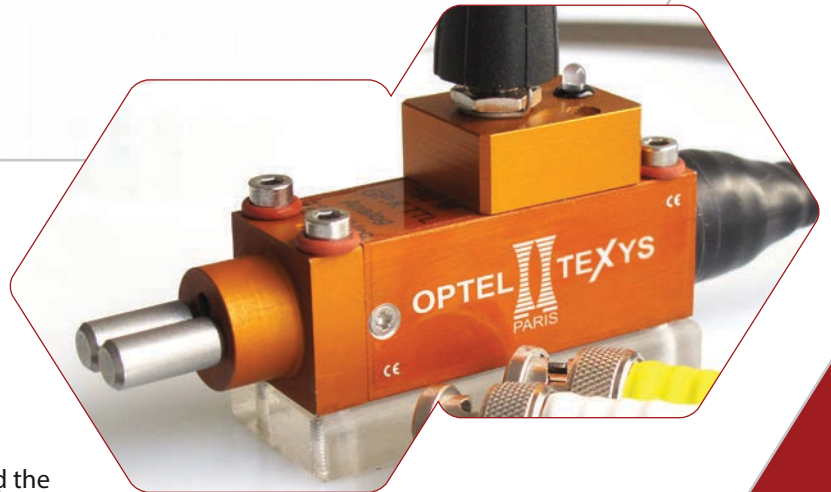
## SENSE OF TORSIONAL

**As a specialist for more than 45 years in non-invasive optical fiber sensors, OPTEL-TEXYS (formerly Optel-Thevon) has acquired a worldwide recognition for its high-speed sensing technology in the rotating machinery and turbomachines market.**

Results-oriented developments have enabled the OPTEL-TEXYS products to be implemented in various domains and applications in green energy, e-mobility, NDT, preventive and predictive maintenance, monitoring and surveillance, psycho-acoustics, security, R&D durability, on test bench in the field of testing and development.

OPTEL-TEXYS provides solutions for most OEMs and Tier 1 Suppliers in the transport industry (automotive, trucks, Aeronautic, Aerospace, and Marine), energy and electric mobility sectors, as well as heavy industries and mining operations.

Our plug & play sensors are a natural extension of our customers' data acquisition system.



## OPTICAL FIBER SENSING SOLUTIONS

**LIGHT GUIDE SOLUTIONS (LGS) was founded in 2007 by Dr BOUAMRA (expert in photonics science) specialising in the development and manufacture of systems based on Fiber Bragg Grating (FBG) technology for various applications (industry, civil engineering, and energy).**

Optical fiber sensors are based on various physical properties regarding the sensitivity of the optical fiber to stress, force, temperature, strain, and pressure. Our global know-how covers main types of optical fibre sensors based on intensity, polarization, phase or wavelength modulation. With an innovative approach and in-house manufacturing capabilities, LGS propose customized and turnkey solutions with optimized cost.

LGS joined TEXYS Group early in 2020, and is part of the strategic plan in terms of expansion of knowledge and technologies.



# Our ambition

## TO ACCELERATE OUR INTERNATIONAL DEVELOPMENT

TEXYS Group plans worldwide commercial activities of LGS by TEXYS and OPTEL-TEXYS: In German and Austria through TEXYS Sensoren GmbH, in North America through TEXYS America LLC, and in Asia as well.

Our ambition is to expand our diversification. Thanks to our well-established distribution networks we plan to grow our portfolio of class leading, high end technological products and services to complement our existing product range, whilst providing cost effective and value for money solutions to our clients.



## Where are we?

As one of the market leaders in the manufacturing of sensing technologies, and benefiting from a strong worldwide distributors network, our 40+ staff are based in 4 different locations: **Nevers and Paris (FR), Karlsruhe (GER) and Indianapolis (USA).**

Our official distributors have been selected based on their expertise and experience servicing the high technology devices market and are located in **United Kingdom** (TEXYS UK Ltd), in **Italy** (Power On Srl) and in **Japan** (Cyan, Co. Ltd).

Should your territory not yet be covered by our distributor network, you can find our products on our online store:

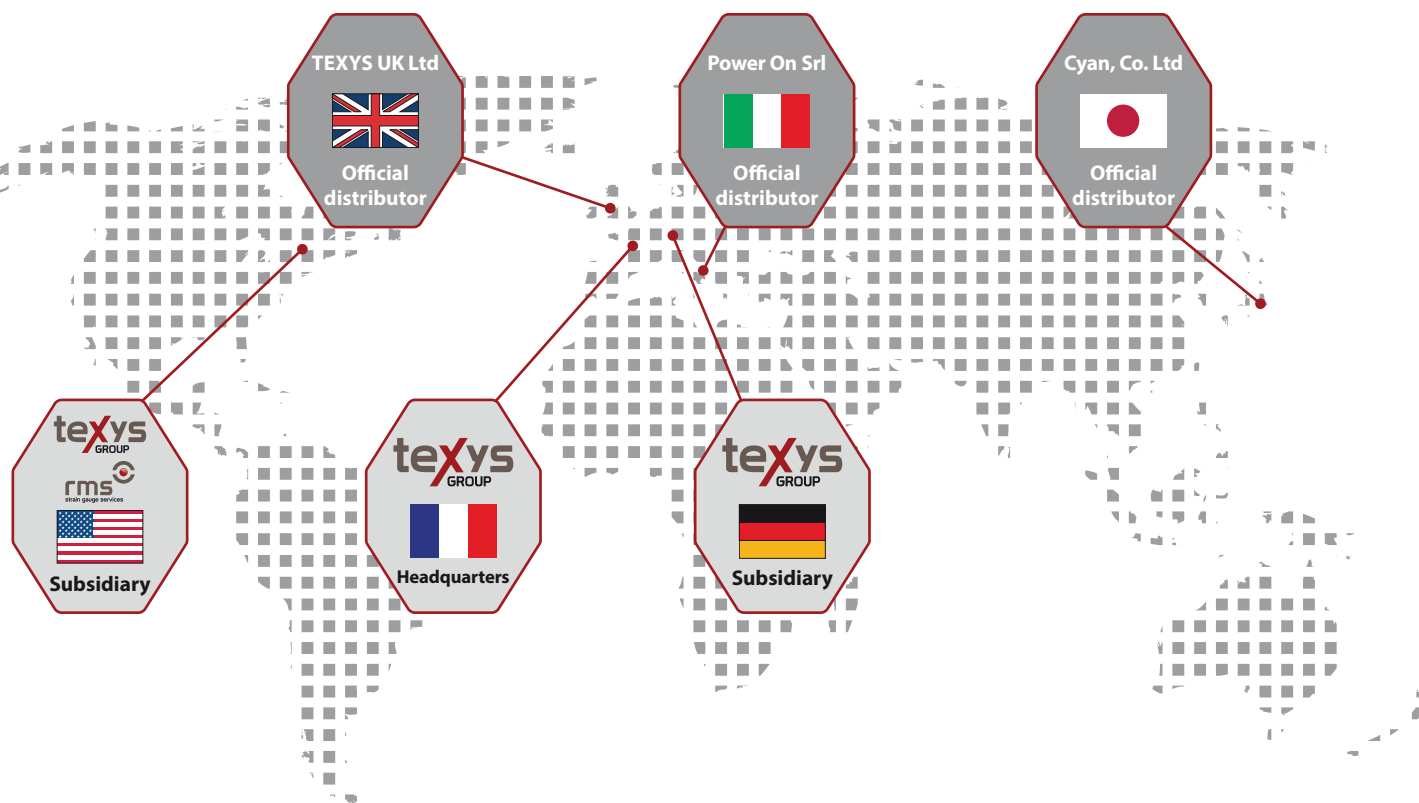
**sens4pro**  
Sensors Store by TEXYS

[www.sens4pro.com](http://www.sens4pro.com)

**sens4speed**  
Sensors Store by TEXYS

[www.sens4speed.com](http://www.sens4speed.com)





## Contact us



ZA des Chamonds  
16 rue Edouard Branly  
58640 Varennes-Vauzelles  
France

contact@texysgroup.com  
+33 (0)386 212 718

6 rue Emile Landrin  
75020 Paris - France

info@optel-texys.com  
+33(0)143 587 526

L'Inkub  
7 bis rue du 13<sup>e</sup> de Ligne  
58000 Nevers - France

contact@h2motronics.com  
+33 (0)972 294 897