



Next-gen composites for aviation, space, shipbuilding, automotive and civil engineering applications allowing exact and precise monitoring of various parameters along the entire structure thanks to fiber element integrated in composite (or other structural material).

FEATURES

Fiber sensor embeddable within the composite Negligible impact on mechanical parameters of composite materials High-density of sensing points (down to mm) Payload and workload reduction

Real-time monitoring, measuring strain, temperature or vibrations

Enables predictive maintenance

Fiber element integration available for metal and concrete constructions too.



- · Strain detection accuracy: up to 4 με
- Operating temperature: -200 to 700°C
 - Spatial resolution: 1 cm
 - Repetition: 1 s
 - Fiber sensor lenght: up to 100 m

Contact us for detailed information and/or specs adjustment.



APPLICATIONS

- Aviation & space structural usage monitoring in composite constructions
- · Cost effective wear monitoring of composite elements
 - Aviation & marine on-board monitoring
 of structural parameters
 - Transport strain and vibration monitoring in trailers and railcars
 - Construction and civil engineering vibration, strain and temperature distribution monitoring of foundations and buildings