



## r3Care: the COTS health monitoring

r3Care is a Artificial Intelligence (AI) system is used to monitor the health of COTS electronics boards under hostile environment and especially nuclear radiations.

### HIGHLIGHTS

- > Monitoring of electronics
  - > Guaranteed Radiation Hardened > 1kGy
  - > OEM or integrated system
  - > AI algorithm
  - > Real time monitoring of cumulative radiation level
- Dedicated interface

Plug r3Care to your electronic board or electronic device and monitor its health.

Based on an artificial intelligence patented algorithm, r3Care analyses signals and estimates time to maintenance.

With a first behavior characterization process, r3Care transmits to the operator, in real time, the absorbed dose and the time remaining before maintenance.

This system is designed and manufactured by ELEMENTS in France and sold as an OEM or an integrated system.

### Technical features

Radiation (Total ionizing Dose Co60)	> 1000Gy	Performance management	Soft and Hard auto-diagnosis
Power supply	12 Vdc	Documentation	User and Maintenance manuals
Power Consumption	≤ 5W	Area for use	Indoor and Outdoor
Monitoring inputs	Voltage, intensity, temperature, radiation	Configuration interfaces	Dedicated interface

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