Instrumented ballistics plates (GMOS GaMma One Shot **– THERMOS** TherMique One Shot**)**

Catchline
Fitting ballistic plates with a self-monitoring system

Process:

- Fitting ballistic plates with state-of-health indicators based on a micromechanical, non-powered approach, with no deviation or need for calibration
- Identify whether the relevant plate has suffered a shock of sufficient magnitude to damage the plates (GMOS)
- Identify whether the relevant plate has been exposed to temperatures which exceed a threshold which might reduce plate performance (TherMOS)

Target improvements

- Develop shock and temperature threshold indicators
- Offer a means for self-monitoring which can be used by a combatant
- Guarantee the ballistic efficiency of the plates (mechanical and thermal shock detection)
- Achieve financial and time savings on plate checks currently performed by the French defence equipment support centre CIEC using radiography