
CBRN systems



Chemical Biological Radiological and Nuclear threats (CBRN) are an ever-present risk for the safety and security of citizens worldwide. CBRN threats are characterized by a sudden and high impact on the every-day life, and they request a timely response to mitigate their effects. Terrorists attacks are not the only CBRN threats but they can also come from incidents in industrial sectors or natural disasters.

Preparedness, operational readiness and the ability to provide accurate and timely information are the key factors to face these threats by ensuring safety and security of the Communities and business continuity.

OMICA helps its customers in design and development of **tailored CBRN solutions** for military and civilian application, combining performances and cost effectiveness on the basis of the state-of-the-art technologies present on the market.



OMICA is specialized in the application of modern product development processes, derived from the Space&Defence sector, to maximize re-use of Hardware components and Software applications, reduce costs and optimize Integrated Logistic Support.

We support our customer to innovate and evolve capabilities of current systems improving performances and providing new functionalities.

Chemical

- Gas Chromatography/Mass Spectrometry
- Ion-mobility spectrometry
- Infrared and X-Ray fluorescence spectrometry
- Portable devices

Radiological And Nuclear

- Alpha and Beta total radiation
- Gamma spectroscopy
- Alfa spectrometry
- Portable radiological detectors

Analysis

- Command and Control
- Situational awareness
- Forecast and predictions
- Georeferenced support
- Risk assessment

Biological

- Polymerase Chain Reaction (PCR)
- Fluorogenic and electro chemiluminescence
- Standoff Technologies

