

# **ROBOTS COOPERATION MANAGING RADIOACTIVE SOURCE RECOVERY**

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## **Keywords**

cooperation managing, radioactive source

## ***Abstract***

Some specialised squads are now using UGVs, for CBRNe or conventional missions.

The communication is to report a first cooperation between two different UGVs during a real operational mission occurring in July 2012 in a Seveso plant near Marseilles.

In fact, a radiography source has not been reinstated in its lead castle at a weld inspection at the site of the Esso in FOS SUR MER (FRANCE). The intervention was to retrieve a radiation source of high activity, even within a production unit in operation in a petrochemical plant. We were faced with two problems: the manipulation of the source itself and the measurement of radioactivity near the source to ensure the safety of staff and stakeholders. We achieved this by combining the use of two robots : the deminers for handling and recovering lead castle and the source, and the realization of the measurement network thanks to robot firefighters Bouches-du-Rhône. The mission was successful and the cooperation of various public services and industry has been particularly effective.