



TERRIFFIC
ACCELERATED **CBRNE** RESPONSE

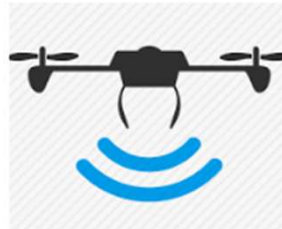
INTEGRATION OF TECHNOLOGIES
SOFTWARE – WP5

Erik Bakke, Bruhn NewTech

11 December 2020 – Virtual Semi-Public Workshop

TERRIFFIC PROJECT

OVERVIEW OF THE SET-UP



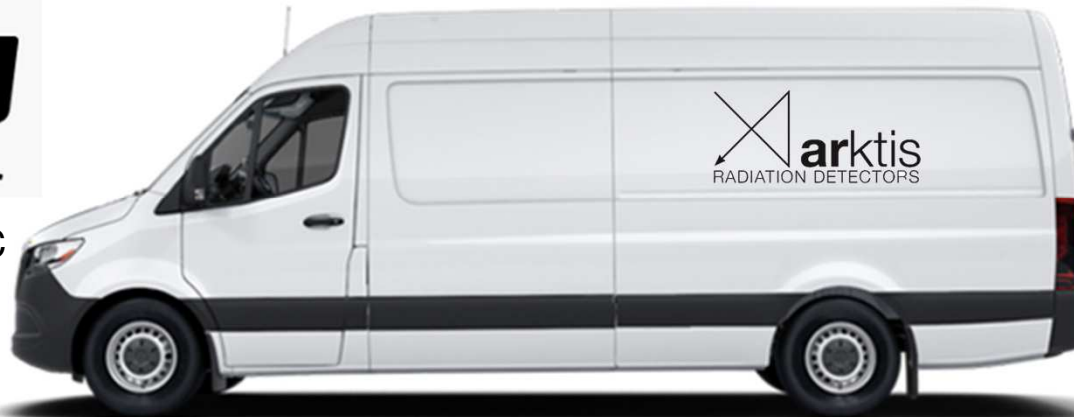
Ground station for the unmanned vehicles.



Plume calculation and data processing



Tactical C&C



GSM / GPS uplink / external WLAN



Internal LAN



Mains power
External generator (remote)

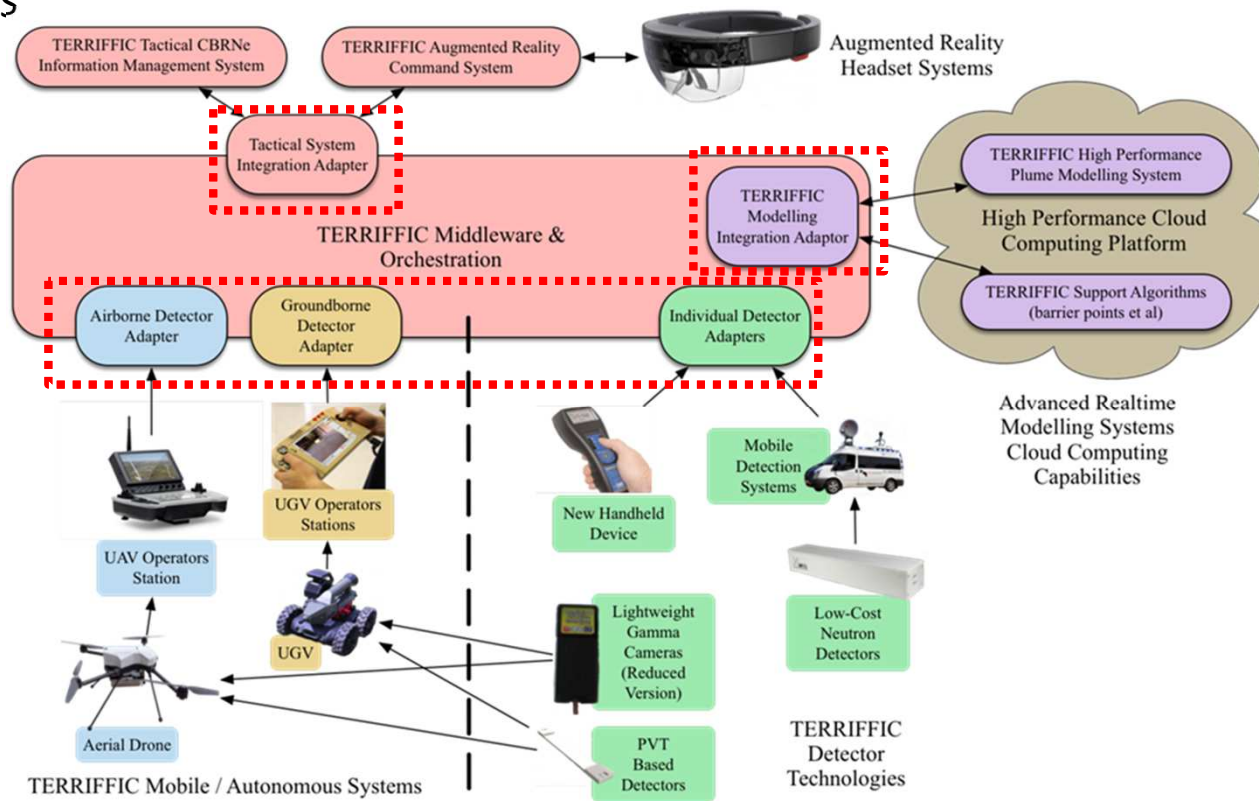


Mobile Radiation Detection



TERRIFFIC PROJECT

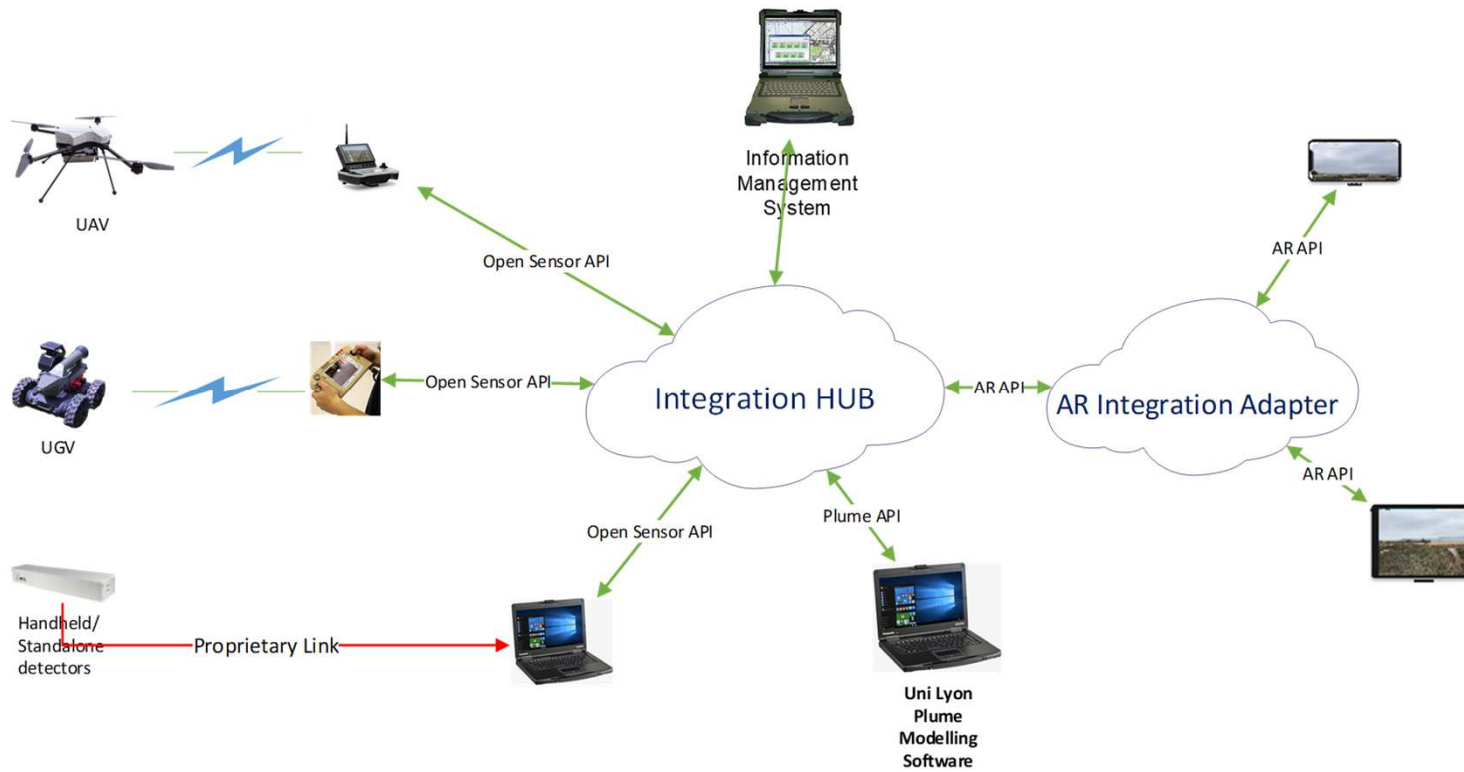
INTERFACES





COMMUNICATION OVERVIEW

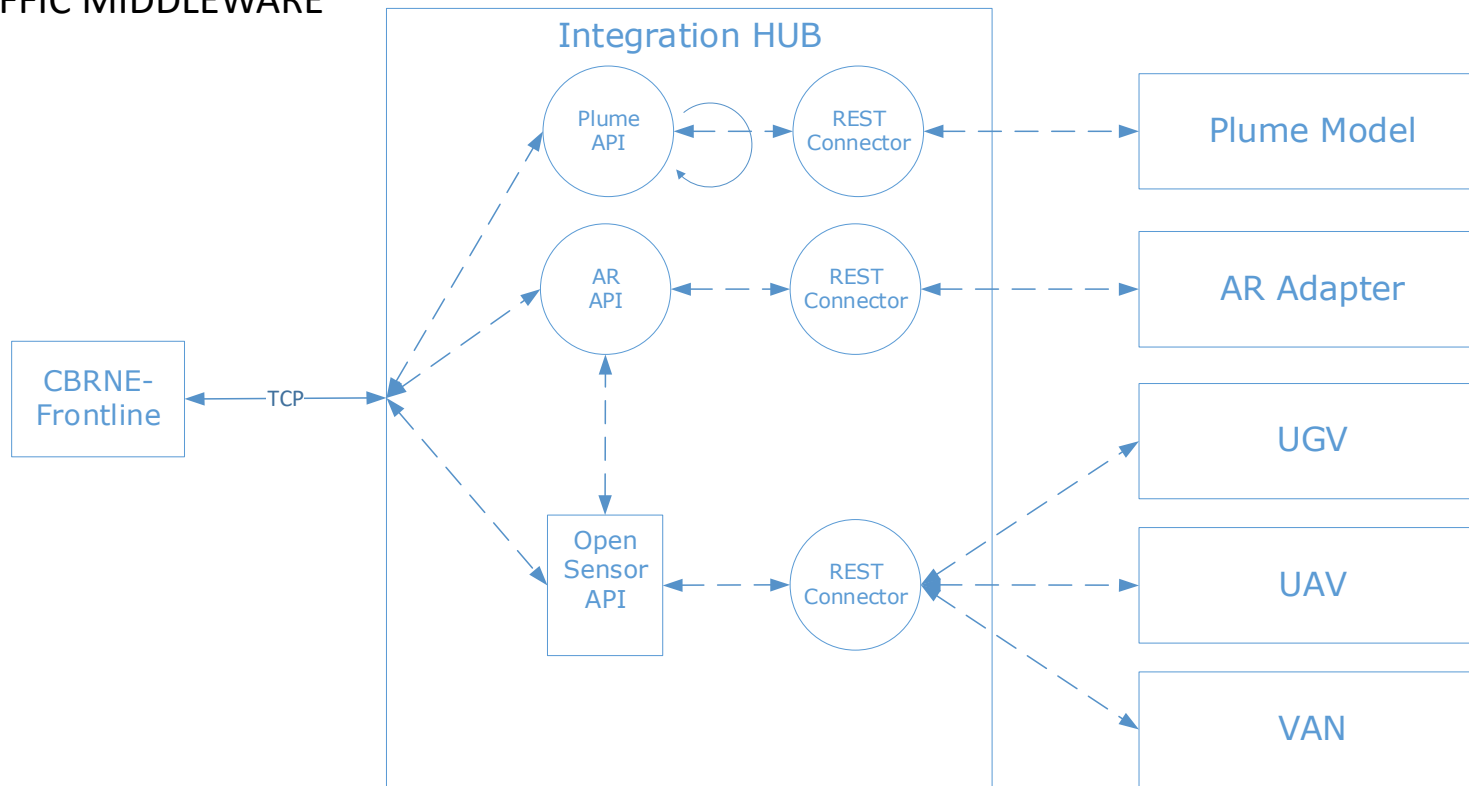
LINKS





INTEGRATION HUB

TERRIFFIC MIDDLEWARE





SOFTWARE INTERFACES

API'S

- Open Sensor API
 - REST API
 - JSON or XML data format
 - Described in D5.3 Information Management (BN)
- PLUME API
 - REST API
 - JSON data format
 - Described in API_ECL-BN_V2.1_2.pdf (ECL)
- AR API
 - REST API
 - Based on KML
 - Described in D5.4 Augmented Reality (LIST)



FUTURE PROOF

COMPONENTS

- The Open Sensor API is prepared for interfacing to Chemical, Biological and Weather sensors. (Currently Radiological and GPS are implemented). The sensor can be point or stand-off sensors.
- The PLUME software can be extended to handle Chemical and Biological plume modelling
- The Augmented Reality is designed to handle additional first responder graphical objects and textual information

CONTACT

REACH US

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