



# RaM<sup>2</sup>C

## Regional accurate Meteorology Mobile Center

### Local Weather Forecast for Security and Emergency Forces

Wind direction and speed, rainfall, or air density can make the difference between a small disturbance and a large-scale disaster. Without accurate local weather data, security and emergency forces are unable to respond effectively to dynamically evolving situations.

Mer Systems' RaM<sup>2</sup>C allows security forces to efficiently handle fire, hazardous materials leaks and other emergencies and minimize threats.

The system's benefits include:

- Mobile, independent weather forecast centers
- Real time, accurate weather data for optimizing response
- Simple transportation and rapid deployment
- Compatible with all communications systems



## Local Weather in Emergency situations

Local weather conditions play a major role in the development of emergency situations, including fires, leaks of hazardous materials, radiation and ecological disasters. Accurate local weather information enables security and emergency forces to:

- Assess the impact of the disaster
- Issue early warnings to threatened populations
- Deploy forces in advance of oncoming fire/leak
- Choose the most effective containment measures
- Protect personnel by avoiding dangerous locations

## Weather Forecasting on the Move

Weather forecasting used to require extensive IT resources, only available in national meteorological centers. Mer Systems is now using state of the art technology to enable weather forecasting within the small space of a transportable container, at the same level of precision.

An advanced algorithm combines global weather data with field observations and models to predict how local weather will develop hours and even days in advance.

## Mer Systems – A Member of the Mer Group

Mer Systems is a member of the Mer Group - a global system integrator since 1982, delivering turn-key solutions for wireless networks infrastructure, broadband infrastructure, homeland security and surveillance, meteorology, renewable energy and water infrastructure. Mer Group operates over 40 local subsidiaries in America, Europe, Asia and Africa.

## Accurate Weather Data any Place, any Time

Mer Systems' RaM<sup>2</sup>C combines all the necessary equipment and communications in a single vehicle.

The system consists of the following components:

- An independent compact central command unit, deployed in a vehicle
- One or more local measurement units deployed on the ground for measuring surface and upper air meteorological parameters
- Link to global weather data sources
- Communications system for reporting weather conditions to emergency forces

Mer Systems' off-the-shelf solution ensures rapid implementation and reduces development risks yet is flexible enough to be customized for a wide range of needs and uses.

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