

Carmenta's geospatial solutions save lives

Carmenta offers geospatial solutions (GIS) for today's and tomorrow's defence needs and the company's products are already used in international peace-keeping operations, setting high demands on interoperability and effective geodata management.

"Our GIS solutions are used by more than 20 countries with exacting demands for interoperability, performance, flexibility and scalability," says Torbjörn Lönnqvist, Vice President Defence Solutions at Carmenta. "Carmenta's geospatial technology provides the ideal platform for ground-based C4I systems and for on-board systems in helicopters, aircraft, vessels and land vehicles. Our map server solutions are used globally for distribution of geographic data and support standards such as OGC

(WMS, WFS, WCS, WMTS) and ISO 19100."

Modern military operations set specific demands, which form the basis for Carmenta's GIS systems.

"Carmenta's applications have successfully been used within peace-keeping efforts in Afghanistan and have been tested, with good results, with regard to interoperability within NATO CWIX, Coalition Warrior Interoperability Exercise," says Torbjörn.

Demonstrating GIS to the defence segment

At Eurosatory, Carmenta will present its GIS products for the defence segment.

"We will show applications developed by Carmenta, or by our customers, based on our basic products Carmenta Engine and Carmenta Server", explains Torbjörn. Carmenta also supports its defence customers with applications for

geospatial data management and distribution.

"Sweden is well positioned within this field and we now introduce our concept in other countries," says Torbjörn.

"It is based on standardised geodata packages that can be used in various applications. Everyone has the same basic data and situational overview, but they can only use the data that is relevant to their assignment. We have also provided the armed forces with a tool to collect geodata on recce patrols."

Besides this, Carmenta's basic products are used as building blocks in production environments for aerial maps, street maps, nautical charts, etc.

Torbjörn also points out that "Carmenta's GIS solutions are also widely used and save lives in security applications such as emergency response and search & rescue"



Photo: Olym Wilton

Mission planning in Afghanistan with map-support from Carmenta.



Photo: Peter Lindhult

Carmenta's map technology is used in ground vehicles.



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