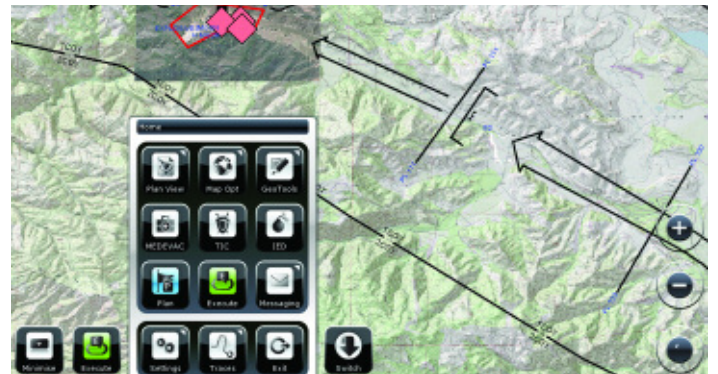


Systematic Software Engineering

SYSTEMATIC

For over 25 years, Systematic has been an independent software company that provides scalable software products, services and projects for defence forces, security organisations and systems integrators. The company is redefining IT procurement with its off-the-shelf product range for Command and Control (C2), situational awareness, military messaging and electronic warfare data management. Systematic also provides training, consultancy and integration services in these highly specialised fields. Working internationally with local partners, Systematic delivers cost-effective solutions worldwide to the defence sector and also to intelligence, national security and health care customers. Systematic is certified at CMMI Level 5.



As a supplier to the defence sector, how much emphasis does your organisation place on innovation and product development?

Our forward-thinking attitude means that we constantly challenge existing ways of doing things. Our determination to stay at least two steps ahead at all times is expressed in our priorities for research into new technologies, constant improvement of all software processes and continuous skills development.

More than 60 per cent of our software developers have a Master's degree or PhD, and almost 10 per cent of our staff are domain specialists with a military background and an in-depth understanding of our customers' needs. We believe the best ideas are developed in cooperation with customers and this underpins all product development.

What have been your greatest achievements to date when operating within the defence sector?

The achievement we are most proud of is the actual breadth of deployment of our off-the-shelf software products to customers around the world.

Our first commercial product was IRIS, a suite of military messaging and standards management software, which is now the de facto standard for military messaging after NATO accepted Germany's proposal to use it for NATO's Automatic Message Handling in the early 90's. Today, IRIS is used by over 40 countries in all parts of the world.

Meanwhile, our SitaWare suite of software has been developed to provide a core C2 capability, based on international standards, which can be extended through its open architecture. Now proven in both national and multinational operations, including Afghanistan, it is in service with over 20 countries, offering a flexible C2 solution that can be tailored to meet challenging interoperability requirements.

What are the biggest challenges facing buyers within the MOD and how can your organisation help them to meet their procurement objectives?

We have found that many of our customers, including the MOD, are facing very similar operational challenges which are not helped by the current worldwide economic downturn: everyone is being asked to do more with less within shorter timescales. The changing world picture with new, asymmetric threats has seen a shift from long-term acquisitions to a focus on meeting Urgent Operational Requirements against a backdrop of reduced defence budgets and resources.

Key to the success of our products is that they are built around core, open architecture systems, which can be tailored to meet individual customers' interoperability requirements as necessary.

The advantage of the COTS approach is a clear cost saving for customers: many thousands of hours have already been invested over the product's lifetime, resulting in a highly stable product with significantly reduced development costs, which is easily delivered on time and within budget.

What are the latest solutions you are offering the market and what are the unique benefits afforded to the end users?

SitaWare Frontline is our latest product. The JAVA based, platform independent Battle Management Software has been designed for troops operating in tough environments, where a clear operational view with rapid updates of Friendly Force Tracking is essential. SitaWare Frontline has proven exceptional performance over intermittent, low bandwidth tactical radio networks.

The software has a unique two-part design – a user application and a vehicle application – which has the benefit of making it extremely simple to deploy and very easy to maintain.

SitaWare Frontline supports commanders' freedom of manoeuvre: with the ability to store all mission data on a secure USB key, users can plan, execute and change missions without being tied to the vehicle.

Existing communications equipment, onboard management systems and sensors can be interfaced to the vehicle application; consequently any change to the mission data does not require the vehicle software to be updated, so simplifying the job of IT specialists in the field.

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