

Envitia

As key exponents of open standards and open architectures Envitia continues to support MoD's aspiration of NEC through the provision of world leading impartial advice and the delivery of world class geospatial technology.

SDI Infrastructure

The SDI infrastructure is critical to achieving NEC, allowing access to just the information needed on-line and allowing users in different geographic locations to access Geo-databases. In the case of Defense this means immediate access to work completed in another agency including access to in-theatre information from deployed servers.

The first level of spatial data integration is the Web Map Server (WMS) allowing the user's choice of application program to display a composite geospatial picture from multiple sources.

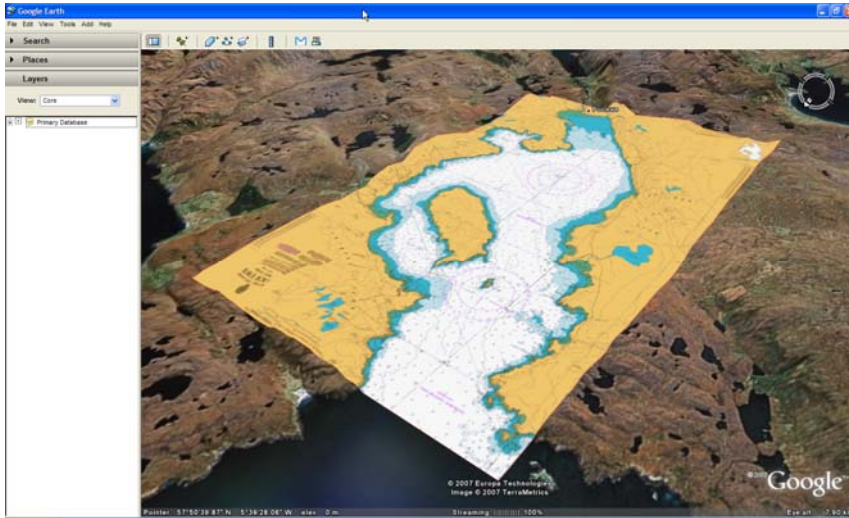
The next level is that provided by Envitia's ChartLink4D product, accessing Web Feature Servers (WFS) and Web Coverage Servers (WCS). These services allow access to the data enabling combined analysis of data from two sources and the possible update of the sources as a result

Envitia

- A world leading provider of geospatial solutions and COTS software, Envitia works with the Ministry of Defense, other allies and leading system integrators.
- A UK privately owned company with over 15 years' experience of delivering geospatial solutions and software for mission critical systems and technical advice to deliver Networked-Enabled Capabilities. Its annual turnover is in excess of £5million.

An approved MoD company with secure premises.

An approved supplier in accordance with MoD's Framework Agreement for Technical Services (FATS) and NATO's Basic Ordering Agreement (BOA).



Google Earth showing a maritime chart sourced from an ENVITIA/UKHO WMS. (© Crown Copyright and/or database rights. Reproduced by permission of the Controller of Her Majesty's Stationary Office and the UK Hydrographic Office (<http://www.ukho.gov.uk>))

MoD's Geolnt Integrated Reference Architecture (GIRA)¹ Research project:

Seen as a key enabler to achieve NEC, GIRA seeks to establish a defense wide geospatial information model with the intent to support future geospatial information delivery, allowing all defense systems and users to access integrated, coherent, complete and up-to-date geospatial information.

SDI Examples

Envitia has a proven track record of delivering world-class geospatial solutions on time and budget and key examples are presented here:

SOA TESTBED - UKHO:

Envitia developed and delivered a SOA testbed facility, based on OGC Web Services, to support UKHO's aspiration for the delivery of maritime datasets via web services. Included in this work was the development of a road map to support UKHO's future business plans.

Coalition Warrior Interoperability Demonstration 2007 (CWID07):

Envitia's involvement at CWID07 was twofold: firstly supporting the UKHO's delivery of Maritime Foundation Data using OGC Web Services; which were consumed by other battle space management and C2 systems and secondly Envitia demonstrated their capability for developing Web Service Applications by delivering Tactical Decision Aids through web services.

The Envitia Team

Through Envitia's combined research, development and consultancy expertise we provide sophisticated technology, innovative research and expert technical advice and support. Combined with our service delivery Envitia offers outstanding support, always there for our customers, and willingness to provide that extra level of expertise every time.

¹ Previously known as 4D Environmental Information Cube.