



Eagle Surface

Collaborative decision making: Information at your finger tips

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Eagle Suite

Microsoft, Geodan and ESRI have been working on an implementation of the Microsoft Citizen Safety Architecture to deliver a suite of applications and services that allow multiple agencies to collaborate seamlessly to increase responsiveness and realize a single Common Operational Picture (COP) to support fast and effective decision-making in a highly complex environment. This way, emergency services, governmental, non-governmental and rescue organizations are all connected and can collaborate effectively, helping to reduce disaster impact and measurably improve public safety.

This cooperation has resulted in the Eagle product suite where Microsoft Office Groove®, Microsoft Office SharePoint®, ESRI's ArcGIS and Geodan's Movida are integrated together into a disaster management information system, winning the prominent Dutch Public Safety Award 2008 (www.veiligheidaward.nl).

Eagle is powered by:



www.esri.nl



www.geodan.nl



www.microsoft.nl

In emergency response it is important to have a coordinated response from the different actors involved. Eagle Surface offers the heads of the different forces (police, firebrigade, etc) a discussion space with all the important information intuitively available. The system uses Microsoft Surface multi-touch tabletop to display the Common Operational Picture (maps and text communication) created by managers using Eagle command center. This view is enhanced with a link to a realistic view of the situation (increasing situational awareness) via a vertical display with Microsoft Bing Maps for Enterprise augmented with the 3D data from the Common Operation Picture.

Facilitating discussions

Eagle Surface enables tactical or strategic command to view the incident situation as a map on a Microsoft Surface™ table device, and can therefore be utilized as an easy-to-use conference tool. Using its touch screen interface, staff can navigate the map to view the current situation and issue commands by pressing their finger at a location on the map.



Augmenting Situational Awareness

When a disaster occurs, it is extremely important that the staff of different rescue and emergency organizations share the same actual information, be it spatial information, textual information or otherwise. This shared information is known as the Common Operational Picture. The Common Operational Picture can enhance operations, assist in faster and more effective decision making, and control and minimize damage and possibly even save human lives. The Eagle suite for Disaster Management, built on top of Microsoft Groove and SharePoint, and using ESRI's ArcGIS and Geodan Movida, synchronizes and exchanges geographical and textual information, thus realizing the Common Operational Picture. The Eagle suite won the Dutch Public Safety Award 2008, with the connotation: "It is an important contribution in the complete renewal and modernization of the information supply for disaster management in the Netherlands".

Collaborative decision making

The *Microsoft Surface* multi-touch tabletop product allows multiple users to manipulate images and maps using fingers, hands or any tagible objects. Multiple people can simultaneously gather around and interact with the table, which thus takes the role of a conference table. With this innovative new technology, tactical and strategic command can get an overview of the disaster on a table-wide interactive display. Eagle Surface uses Microsoft Surface, in combination with Geodan's multi-touch mapping engine, Virtual Earth 3D backgrounds, and spatial data synchronized from the Groove incident workspace to compose a perfect overview in a virtual command center.

