AUGVIEW
augmented ▼ technology

EMPOWERING YOUR FIELD STAFF

Augview is a new and disruptive asset management technology that empowers your field workers by displaying live corporate data on mobile field devices such as smart-phones and tablets.

Augview takes a different approach to other mobile GIS solutions. Where other solutions try to leverage the back office GIS by providing it to field staff, Augview uses your field staff's existing skills and provides them with familiar and easy to use tools that they actually want to work with. Augview uses OGC compliant web services to access company data via a secure HTTPS connection. Data is provided to the field staff who can view, edit and update assets in real time as simply as taking a video or sending a text message.

HOW IT WORKS

Getting data to the field

Augview connects to GIS web servers like Smallworld GSS or Esri ArcGIS Server via a secure internet connection. The application can connect to and receive map and asset data from multiple web servers simultaneously. Asset data (both spatial and alphanumeric) may be updated directly in the field with the updates being performed securely to the service provider's database without any administrative overhead.

Administrative Simplicity

Augview simplifies the administrative burden on office staff by removing the necessity to maintain extracts and replicas as well as dramatically reducing the time involved in managing conflicts.

Modern User Interface

Augview uses familiar concepts and layouts to allow staff to leverage their current mobile phone and tablet skills. The application dynamically generates a 3D model of the asset network and displays the model as an augmented reality overlay on the video stream. GPS tracking, compass and accelerometers keep the model oriented correctly relative to the camera position and orientation. The user may select, and interrogate features displayed in either the map view or augmented reality view.

New generation of workers with new expectations

Augview gives the new generation of employees a product that meets their demand for innovative and intuitive tools in order to enable them to rapidly increase productivity and efficiency.

Augview for Windows Phone 8 coming soon

VALUE PROPOSITION

- Improved field staff efficiency.
- Reduced costs for field asset management (low cost devices and low cost of software).
- Reduced costs related to administrative overheads.
- Providing your business with the capability to view overhead and underground network assets overlaid on a live mobile device video stream.
- Increased efficiency through direct query, inspection and maintenance of corporate data in the field. No need to request data from administrative or IT staff prior to a field visit.
- No complicated downloads, data synchronisation or administrative requirements.
- Flexible low cost of acquisition through multiple supported devices and platforms and low cost of usage as there is no need for Google maps or other imagery data feeds.
- No private data is left on mobile device and all communication is via the secure HTTPS protocol.
- Exceptional performance as there is no need for large image downloads.
- Leverage the existing smart phone and tablet skills of users.
- Integrated with Smallworld GSS, ESRI ArcGIS Server and other standards-based GIS data feeds (OGC WMS and WFS).

Supported Smallworld Environments

Augview supports Smallworld GSS 4.2 and 4.3 servers and is able to utilise Smallworld 4.x databases.

Open Standards Based

Augview is OGC compliant which allows your business to leverage public data as well as providing flexibility in how to connect to corporate data. In addition to supporting the OGC services, Augview also supports Smallworld GSS native services and the Esri REST services.

Multi-Platform Support

- Android 2.3+
- iOS
- Windows Phone 8 (coming soon)

Phones and tablets with the minimum hardware requirements (accelerometer, camera and digital compass) and 3G data connection.

PRODUCT RELEASE DATES

Released

Read-only facilities and full update for GE Smallworld GIS

Supported Platforms:
- Android 2.3+ phones and tablets with 3G
- iPhone 4+ and iPad (2nd generation or newer) with 3G

Q4 2013

Full update for Esri and OGC servers
Spatial data updates

Supported Platforms:
- Windows 8 smart-phones and tablets with 3G