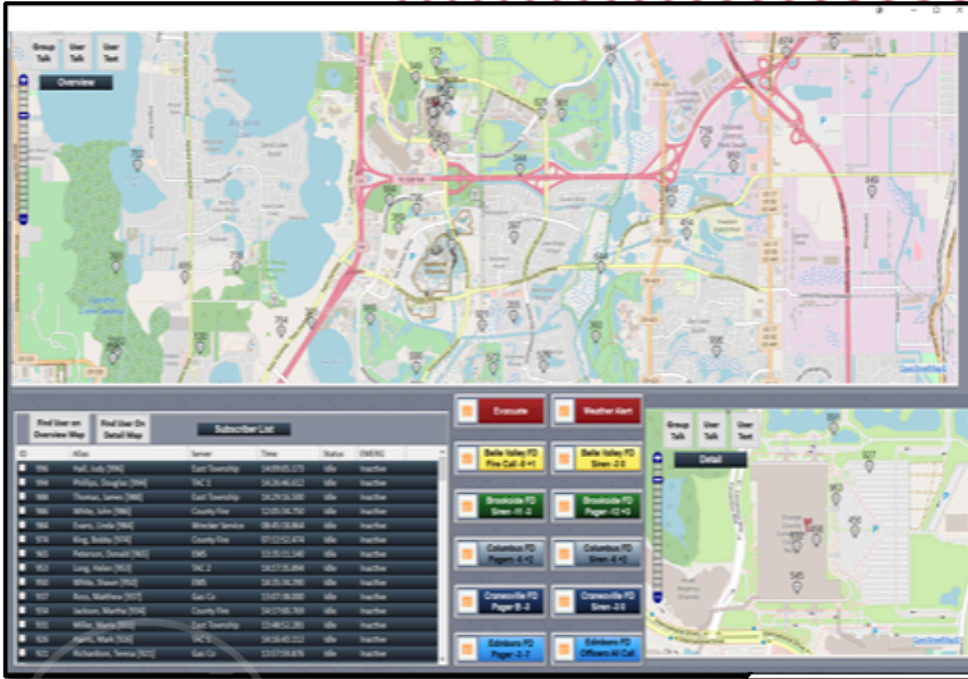


Integrated Location Services InterLoc™



InterLoc™ Locations Services

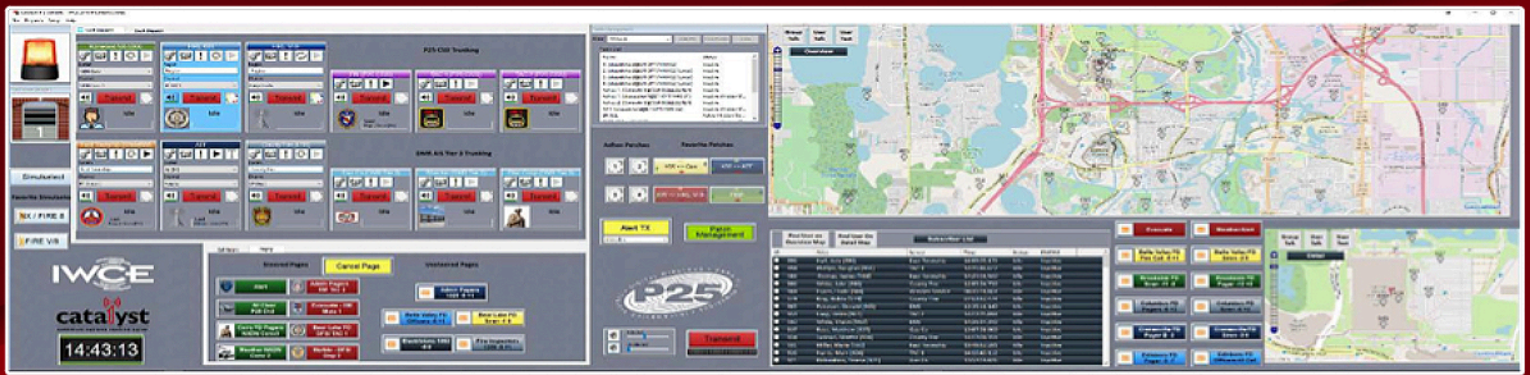
provides a cost effective personal location and map service that derives subscriber location from Land Mobile Radios and LTE devices with 3GPP Mission Critical Push to Talk Applications.

InterLoc™ is tightly integrated with Catalyst's Propulsion™ Dispatch Console solution, simplifying operations, boosting efficiency and enhancing the safety of field personnel.

A Scalable, Fault-Tolerant Architecture; Location records are stored locally on each Catalyst Gateway. P25 Conventional, DMR Tier II, and NXDN systems are accessed via donor radios. DMR Tier III systems are queried via the Application Interface Specification (AIS) wireline interface. Additional consoles can log on to various combinations of Gateways and obtain the current status of each subscriber unit. Each console can have a unique infinitely configurable screen layout.

Catalyst InterLoc™ System Advantages

- InterLoc™ is a software solution that presents an individual's location based upon GPS coordinates sent from his portable or mobile radio (LMR) or MCPTT Smartphone (LTE).
- The InterLoc™ map presentation is based upon Open StreetMap technology, a collaborative, editable open source map of the world. Use of Open StreetMap technology provides a very cost-effective locations services solution, as expensive map licensing fees are avoided.
- Cellular usage charges are also eliminated, as the GPS coordinates are transmitted across the LMR Network and not over cellular networks as most location services products require.
- Customized Maps can display Agency Resources (towers, buildings, substations, etc.)



InterLoc™ - Integrated Location Services maps and Subscriber List can be displayed on a separate monitor or integrated with the radio control modules

Find User On Map		Subscriber List			Group Talk	User Talk	User Text
ID	Alias	Server	Channel	GPS Time	Status	Rcv Time	
1400	Kramer, John	Kenwood	Facilities	04/10/20 08:59:58	Idle	09:00:03	
139	Bass, Hunter	Kenwood	Facilities	04/10/20 08:59:58	Idle	08:56:43	
1508	Cox, Debbie	Kenwood	Facilities	04/10/20 08:59:58	Idle	08:59:14	
313	Bass, Hunter	Kenwood	Facilities	04/10/20 08:59:58	Idle	09:00:19	
508	Cox, Debbie	Kenwood	Facilities	04/10/20 08:59:58	Idle	08:59:55	
4796	Adams, Jerry	ICE 3	RESCUE	04/10/20 08:59:21	Idle	08:59:10	
1835	Brown, Mike	ICE 3	RESCUE	04/10/20 08:59:21	Transmitting	09:00:26	
1372	Tate, Arthur	ICE 3	RESCUE	04/10/20 08:59:21	Idle	08:58:03	

The Subscriber List is a window that presents every subscriber device that has sent its coordinates. The subscriber list can be customized with separate, sortable columns for Unit ID, Alias, channel, time, and emergency status. Clicking on a User in the Subscriber List Window centers the map on that subscriber.

Powerful Controls Dispatchers and others can understand:

- Personal location; InterLoc™ tracks individuals with portable radios and MCPTT LTE devices as well as vehicles with mobile radios
- The relative position of an individual instantly the "Find a Subscriber" button on the Subscriber List
- Find details about an individual in the Subscriber List by clicking on the individual's icon on the map
- Identify who is active and who they are speaking to, instantly; the subscriber list shows the unit ID and alias of every radio that has sent coordinates in the last 24 hours, the channel or talk group it used, and the time it last updated its coordinates
- Emergency Information: the radio's icon turns red and its status is highlighted in the Subscriber list. Dispatchers can see a list of all radios in Emergency status with the click of a mouse.

Flexible Map Technology

- Multiple Map resources and types of Maps can be simultaneously displayed
- Customized Maps can display Agency Resources (towers, buildings, substations, etc.)
- Open Street Maps data is flexible and can quickly be updated in the event that a new business opens, a bridge gets washed away, or other events important to First Responders



Catalyst Communications Technologies
107 Vista Centre Drive
Forest, VA 24551

Phone: 1 (434) 582-6146
Support: info@catcomtec.com

www.catcomtec.com

