PROPULSION™

Graphics rich, fully customizable Radio Control over IP (RCoIP) dispatch solution for Project 25, DMR, LTE, and other Push to Talk Radio Systems.

A strength of **Propulsion™** is the touch screen compatible, infinitely configurable user interface, which displays Unit ID, Emergency, and Call History. Dispatchers can simulselect or patch up to eight channels with intuitive graphical controls, instantly transmit on each module, uniquely set the volume for each module and differentiate audio on select and unselect speakers.
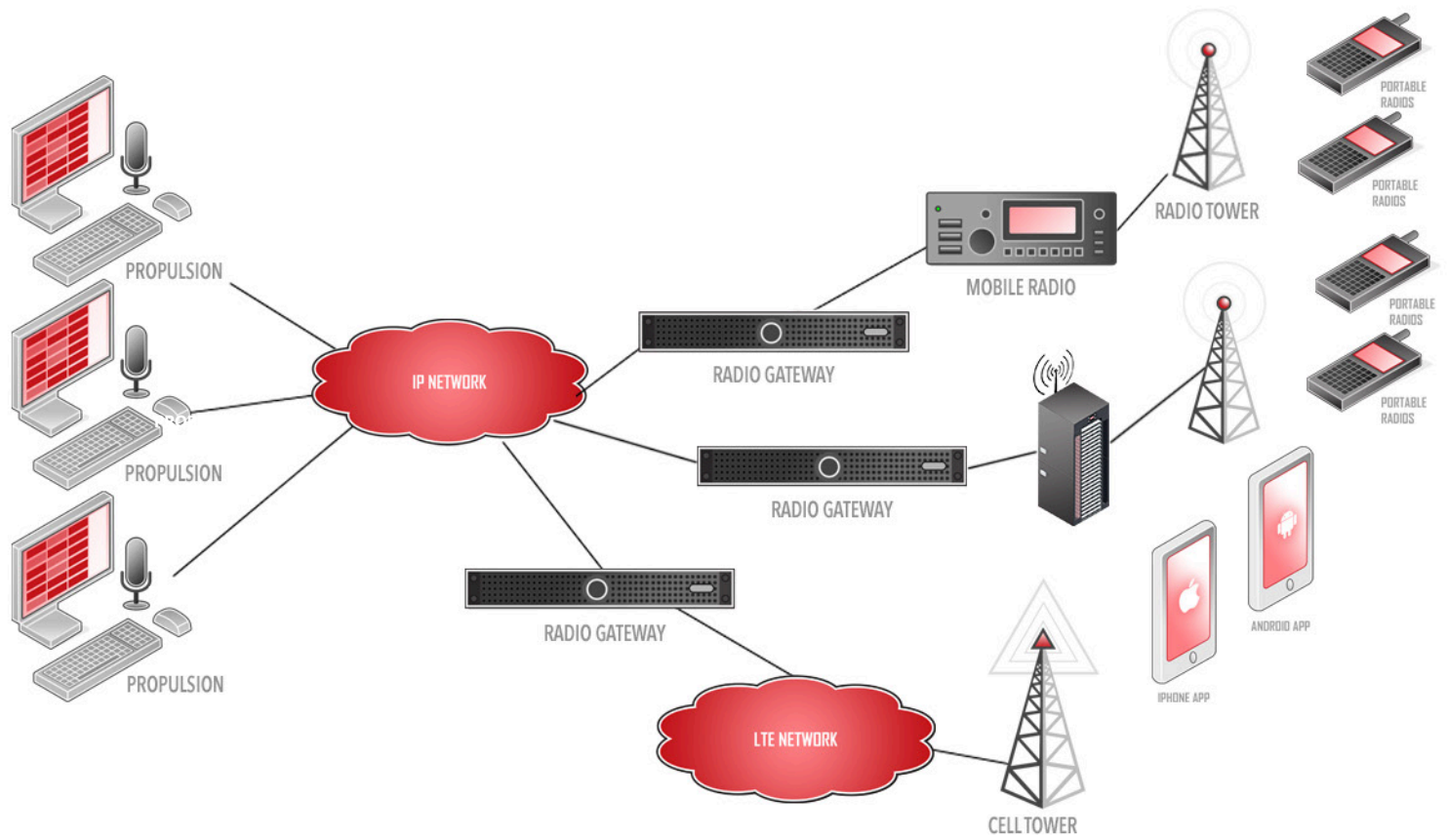
Dispatchers can replay recent calls with a single click, and each agency can add custom graphics to accelerate recognition of who is talking.

Catalyst's field proven design protects critical communictions from being dropped while the radio system assigns a channel and from network congestion by using acknowledged TCP messages.

Propulsion™ - Take advantage of a variety of commercial off the shelf computer and display alternatives to precisely match the needs of your organization.

Catalyst Propulsion™ System Advantages

((•)) Customizable User Interface with Intuitive Controls

((•)) Scalable to tens of Consoles communicating with tens of radio resources on a single network

((•)) Supports most Radio Systems – P25, DMR, LTE, legacy, trunked, conventional, etc.

((•)) Intuitive Patch and Interoperability Management

((•)) Fault Tolerant Architecture

((•)) Integrated Paging, Telephony and Intercom Support

((•)) Dispatch and Interoperability between LMR, LTE and Telephony networks

Propulsion™ communicates over Internet Protocol (IP) based networks with radio Gateways that transmit and receive voice and control radio systems. These radio Gateways control the widest variety of radio resources in the industry:

- P25 CSSI
- P25 DFSI
- DMR AIS
- Manufacturer Specific Protocols
- Tone Control
- DC Control
- 3GPP MCPTT Client Interface
- SIP/PSTN

Catalyst offers a complete line of quality accessories:

- Telephony Control Unit
- Headsets
- Speakers
- Gooseneck and Desktop Microphones
- Foot Switches
- Auxiliary Input / Output
- Traditional and Touchscreen Monitors

Console Capabilities

The Propulsion Console provides an infinitely configurable, modern graphical user interface that is easy to learn and touchscreen compatible. The Critical Communications advantages of Propulsion include:

- Unit ID for DMR, P25 and MDC1200 with Centralized Alias Database
- Detailed, real-time Call Logging
- Emergency Indication from field units (depending upon radio)
- Call Flow management which protects critical audio
- Individual Volume Controls
- Integrated Instant Recall Recorder Option with one button playback
- Integrates with Catalyst's InterLoc™ advanced location services solution

catalyst
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