



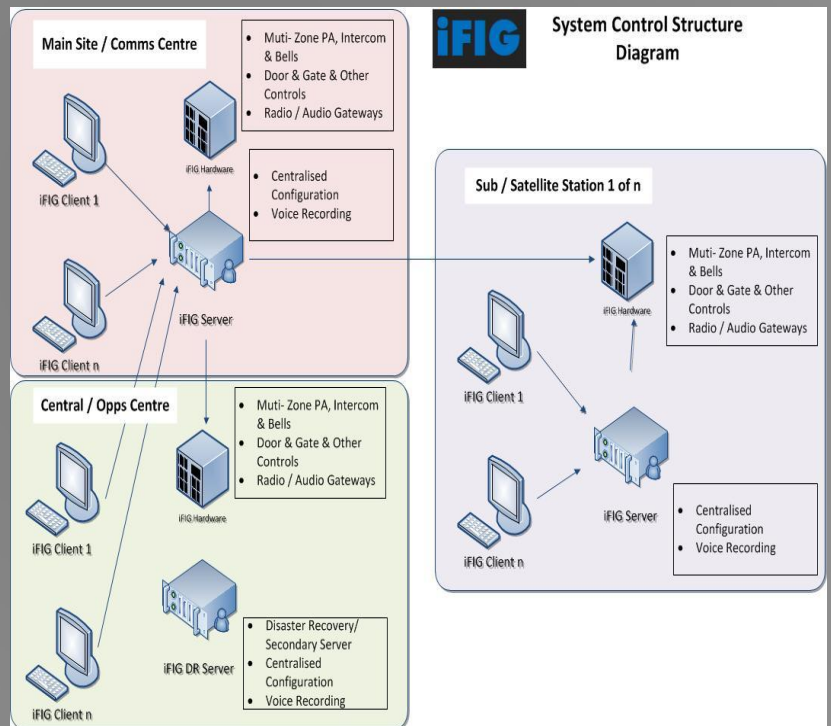
SYSMAN VUNUMPHELO (Pty) Ltd



NEW! iFIG, a system that does it all!

iFIG is Sysman's all-new IP based station and radio control system.

It is the successor to conventional centralised I/O and Radio control systems and consists mainly of software components that communicate with various distributed hardware devices anywhere on an IP network (LAN or WAN).



The system is specifically designed for emergency services and combines all the required Station and Radio control functions into a single powerful, yet simple and easy to use, user interface.

Not only does it perform all the control functions of a single station but can control virtually an unlimited number of remote/satellite/sub stations.

Since all control signals including audio signals between the iFIG Client and other system components are IP based (digital data) any PC on the network can now become a Dispatcher Console. No more proprietary hardware and special cables required. Expanding the system is now as easy as adding an extra licence or adding just the control device you need, where you need it. Disaster recovery becomes a breeze. If a 'console' fails just fire-up iFIG on another PC and away you go.

Audio interface: A regular PC headset or Desktop Microphone together with desktop PC speakers are used through the Windows sound system. Specialised equipment such as wireless headsets are available.



SUBSYSTEMS

The system comprises two primary independent modules. They are the Radio Control and Station Control subsystem.

Radio Control

- Radios are connected to the system via a device known as a gateway. A gateway converts analogue audio and control signals from the radio to digital signals on the network and vice versa. Since these devices can be anywhere on the network it allows the flexibility to incorporate radios or any other audio devices from geographically dispersed locations. This makes it easy to extend the reach of the radio network.
- Since each gateway is independent single points of failure are minimised thus the survivability of the system is excellent.
- The iFIG system provides access from many iFIG Clients (Radio Despatchers) to many radios/audio-devices.
- Transmissions can be made on a single radio by simply clicking the PTT button of the radio or multiple radios at a time by using a master PTT that places all selected radios in transmit mode.
- Built in voice recording with instant playback. Quickly find and replay a message when needed.
- Instant repeat. Repeats the last broadcast for those who may not have heard the first time.
- Comprehensive Voice recording sub module – optional.

Interoperability features:

- ✓ *Patching of radio channels in order to bridge communication between disparate systems.*
- ✓ *Example: Connects a fire channel on VHF High to a Mid-band channel to allow a fireman on High-band to convey vital information to an ambulance crew on a Mid-band radio*

Station Controls

PA & Bells with or without intercom

The system includes a comprehensive Public Address system that can handle from simple one zone system, multiple zones and zone groups together with call-back/intercom facilities.

Bells and/or announcements are stored in user selectable WAVE audio files and can be activated manually or automatically from ESS.

Advanced features:

- Day-Night settings on selected zones to disable outside horns at night. Stop those neighbours complaining
- Roster Call – announce only in rooms of staff that are on duty according to the ESS roster
- Remote intercom – Allows control centre personnel to communicate with a person at the front door intercom of a remote stations ('Walk-in callers')

Advances controls:

- Bay-door control with Open, Close and Stop controls including statuses Opened, Stopped and Closed
- Access Gate & Door Control with or without statuses.
- Lights, Night-lights (automatically turned on when bells are dropped)
- Traffic light (automated with despatch)
- Environmental controls: anything that can be switched on or off.
- Control of a large number of remote stations

BENEFITS

- Cost savings by utilising existing IT infrastructure.
- Simplified Installation and remote support with online software updates.
- High Reliability through the use of solid state programmable modules which can be replicated for failover. Distributed design structure eliminating central points of failure.
- Flexible and easily scalable design
- Availability - immediate

Further information:

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