DOWNSTREAM OIL & GAS
COMMUNICATION SOLUTIONS

A pioneer in the development of industrial communication systems since 1946 to satisfy the needs for efficient, reliable, high-performance public address, intercom/paging and emergency notification systems

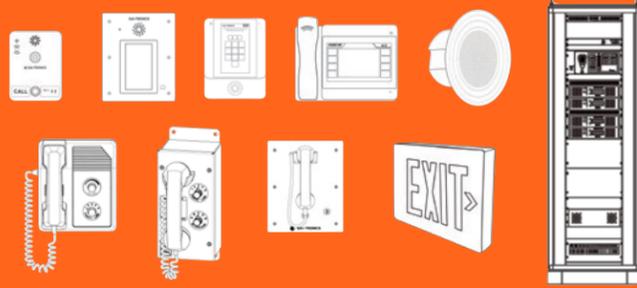# The Power of IP-based Control & Communication

Modernizing system integrity, functionality, and communications in the most demanding environments.

Our Capabilities

- ✓ VoIP Architecture
- ✓ Public Address/General Alarm
- ✓ Emergency Notification
- ✓ Process Communications
- ✓ Point-to-Point / General Communications
- ✓ Real-time System Monitoring
- ✓ Audio / Video / Communications & Control
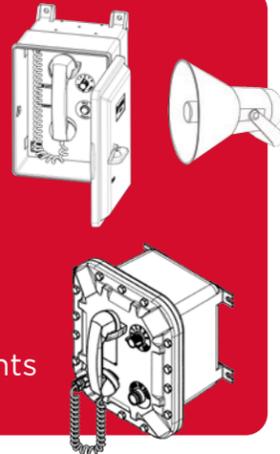- ✓ Integration with Legacy Systems
- ✓ Security Access Control

The Ideal Solution for Downstream Oil & Gas

Security, Fire Station (ERT), Entry Points, Hallways, Offices, Control Room, Parking Areas

- Identify visitors & allow security access
- Audio/video monitoring
- Communication system monitoring
- Alarm generation
- Access for emergency & immediate assistance

Process Trains & Tank Farms

- Daily operations full-duplex intercommunications
- Incident reporting
- Emergency communications
- Alarm broadcast
- Public address announcements

Electrical/Mechanical Workshops

- Communicate via hands-free or handset phones
- Communicate between intercom & paging stations to other buildings

Providing systems, products, and services of the highest reliability for more than 70 years.

TANK FARMS

CONTROL ROOM

FIRE STATION

PROCESS TRAINS

ELECTRICAL & MECHANICAL WORKSHOPS

DESIGN | CUSTOMIZE

SP2 SERVERLESS PAGE/PARTY®
VoIP Multicast Paging and Intercom Systems

- Full Duplex Communications
- Remote Monitoring
- Five Party Lines*
- AC (120/230v), DC (24v), or PoE or PoE+ Operation
- Efficient 30 Watt Class D Amplifier
- Ambient Level Sensing (ALS)
- Remote Terminal Unit (RTU)
- Hazardous Area Approvals**

*Handset Models Only   ** Dependent on model

HUBBCOM™ IP DEVICES
HUBBCOM is an IP-based, multi-functional, communication and control system.
Applications include:

- Control of ELEMEC3 alarms
- Paging and intercom with SP2 and ELEMEC3 systems
- Door and gate entry, audio / video intercom and control

ELEMEC3 NETWORK PA/GA SYSTEM

Elemec3 (E3) is a network enabled Public Address and General Alarm (PA/GA) system designed for life critical installations in the world's toughest industrial communications markets.

RUGGED TELEPHONES

Models
- 352-701: VoIP, Div 1
- 351: Div 2, UL 50 Type 3R / NEMA 3R
- Auteldac: VoIP or Analog, 18 Button or CB, ATEX
- 240/250 Series: VoIP / Analog, Indoor / Outdoor
- 261/271 Series: Intrinsically Safe Phones

SPEAKERS, HOODS, STROBES

Models
- HP15-8: Indoor / Outdoor Horn Speaker
- B650-8: Indoor Ceiling Speaker
- Strobes: Non-metallic Corrosion Resistant Signal
- Acoustic Hoods for Phones and Intercom / Paging
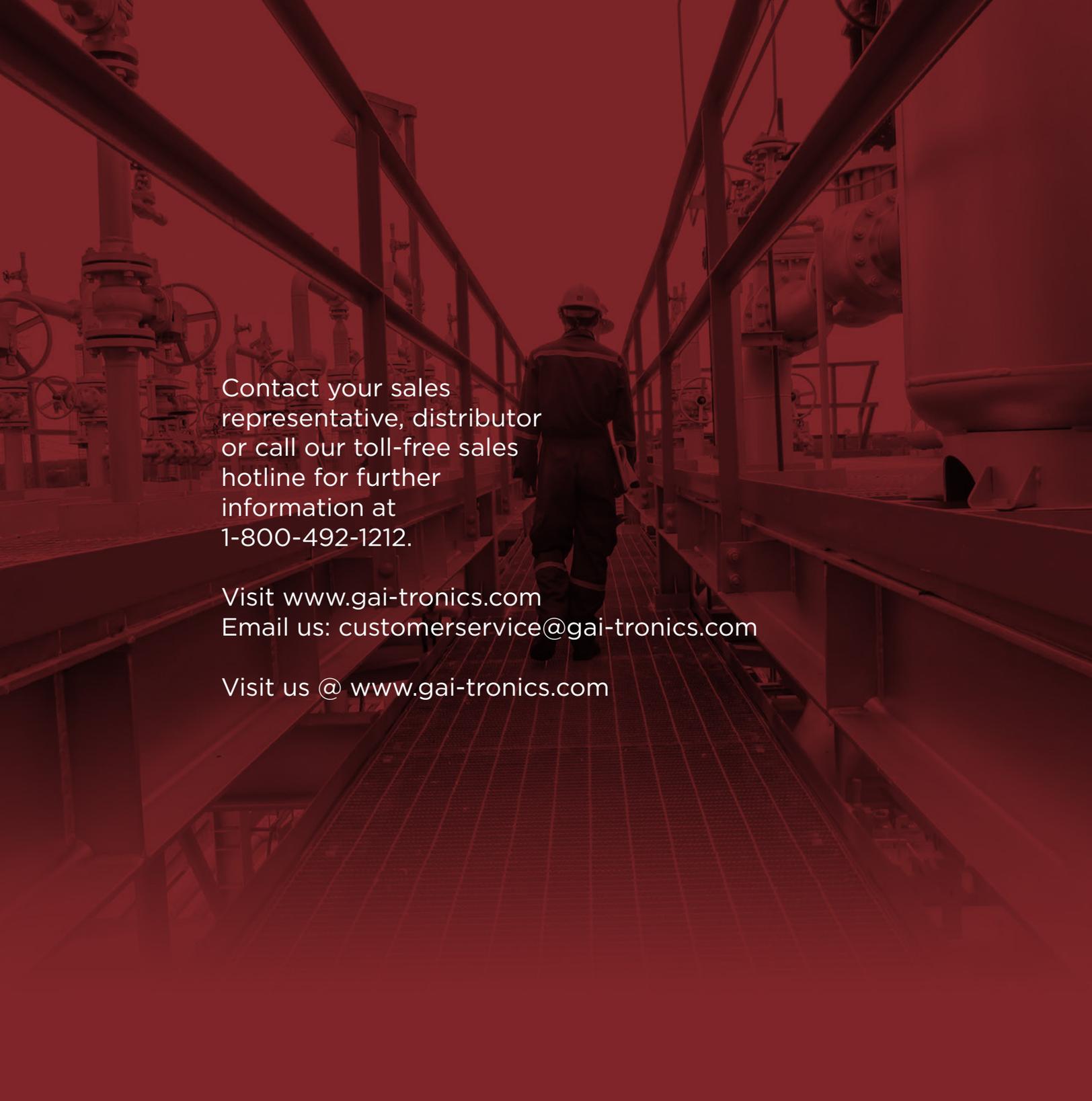- 370-901: SP2 Page/Party® Interface

A grassroots ethane cracker plant was being constructed in the eastern United States. The project specifications called for ten separate networked locations that could provide plant-wide or zone-to-zone paging and critical life safety alarm broadcasts over a wide geographic area, as well as field stations to allow incident reporting and incident command communications

SOLUTION

To best meet the customer's need for rugged and reliable communications, GAI-TRONICS Elemec3 system was installed to control each networked location. Due to the large footprint of the plant, the Elemec3 PA/GA (Public Address and General Alarm) amplifier cabinets are networked over the plant's existing fiber LAN. These control cabinets are separated for safety and built-in redundancy. If a network connection is lost, each cabinet can operate independently to broadcast alarms. Amplifiers in each cabinet route signals to loudspeakers and warning strobes that are spread across the facility. Also installed throughout the facility are a variety of SP2 stations and VoIP rugged phones. These field stations and phones allow plant personnel to page and have intercom functionality between operations personnel and with the control room during emergencies.

PRODUCTS

SP2 Stations
Elemec3 PA/GA Systems (Control Cabinets)
VoIP Rugged Phones

Contact your sales
representative, distributor
or call our toll-free sales
hotline for further
information at
1-800-492-1212.

Visit www.gai-tronics.com
Email us: customerservice@gai-tronics.com

Visit us @ www.gai-tronics.com