



MIDSTREAM 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

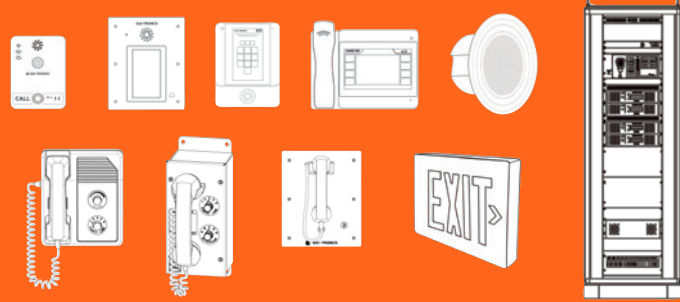
Modernizing system integrity, functionality, and communications in the most demanding environments.

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

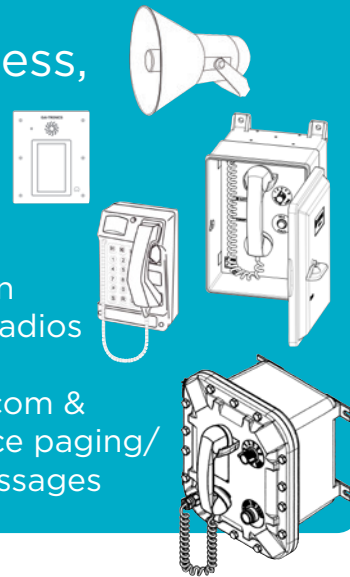
The Ideal Solution for Midstream Oil & Gas

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



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

Liquefaction Process,
Tank Farms,
Loading Terminal



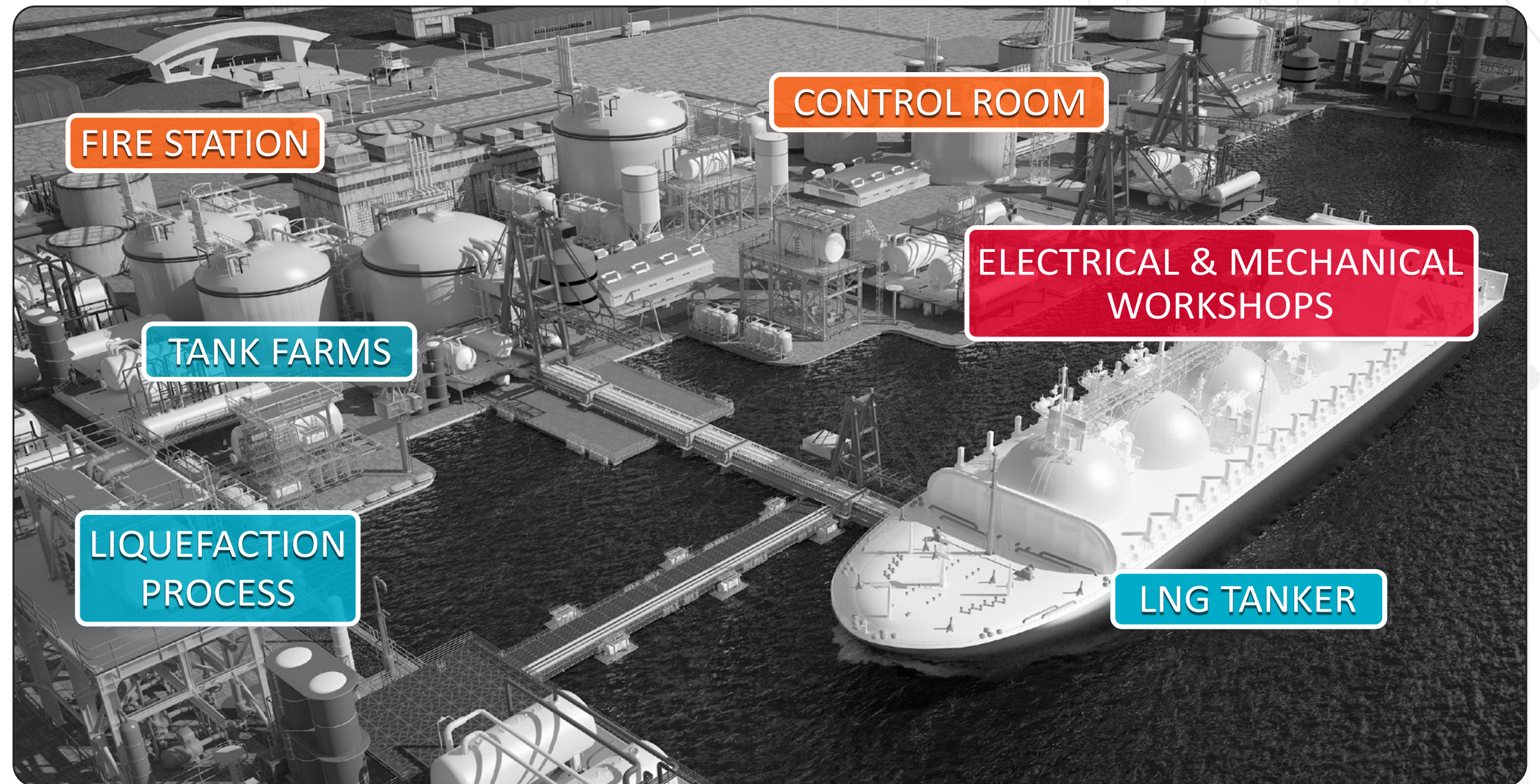
- Interface and connect to other communication systems such as plant radios & rugged telephones
- Communicate via intercom & paging stations for voice paging/ alarm & broadcasts messages

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.



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



CASE STUDY



A large multinational gas producer in eastern Europe was constructing an expansive facility requiring five separate communication systems that could either operate independently or be linked for intercommunication and emergency notification. Remote access was also an integral part of this project, as there was a need for the customer to supervise the functionality and operational status of all systems.

SOLUTION

GAI-TRONICS' LNG solution, comprised of networked control cabinets containing racks of central amplifiers, was designed for enhanced safety in each zone with the addition of a hot-standby amplifier in each cabinet. Each zone controls and monitors the following functions; live voice paging, multi-channel duplex intercom, alarm and recorded message broadcast, interfacing to other communications systems such as the plant radios, the telephone system, and the fire and gas monitoring and suppression systems. Multiple paging zones allow the system to respond to operations within different, specific areas of the facility. A remote monitoring system was also provided so that if a system fault was detected, a customer-determined categorized alarm would be received and action could be taken.

In addition, in order to reduce preventive maintenance time and expense of 'walking down' the system to check for faults, the GAI-TRONICS solution includes individual speaker monitoring of every speaker, over the existing 100v speaker loops, with no additional wiring.

At specific locations, SP2 stations have been added to allow paging and intercom access for operations and for emergency incident reporting to the Control Rooms.

PRODUCTS

- SP2 Stations
- ELEMEC3 System 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



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Quality Management System Certified by DNV-GL - ISO 9001:2015.

The policy of GAI-TRONICS is one of continuous improvement; therefore the company reserves the right to change specifications without notice.