



Integrated communication systems for industry: Factories and logistics centers

- ✓ **Operational safety** and communication
- ✓ Crisis **communication management**
- ✓ **Modularity** and scalability of PAVA systems
- ✓ **Two-way** Intercom communication
- ✓ **Integration** with safety systems
- ✓ Visualization and **management software**

Why Ambient System solutions are right for your project?

Ambient System delivers technologies that combine safety, functionality, and industrial resilience. By integrating PAVA systems with IP intercoms and the Gateway platform, a unified communication environment is created to support both daily operations and emergency response. The systems are scalable, modular, and ready for integration with existing safety and building automation infrastructure.

OPERATIONAL SAFETY AND COMMUNICATION IN INDUSTRIAL ENVIRONMENTS

Modern industrial facilities such as factories and logistics centers require reliable and advanced communication systems that support operational safety, process efficiency, and crisis management. Ambient System offers comprehensive solutions integrating Public Address Voice Alarm (PAVA) systems and intercoms tailored to the specific needs of industrial environments. PAVA and intercom systems enable immediate transmission of detailed instructions, minimizing panic and confusion. Clear messages significantly reduce disorientation, which is especially important in large, complex industrial facilities. The integrated communication environment supports the implementation of advanced safety procedures, including two-way communication that allows efficient coordination of evacuation and rescue operations..

MODULARITY AND SCALABILITY OF PAVA SYSTEMS

PAVA systems form the backbone of communication in factories and logistics centers – their modular design allows adaptation to any facility size and complexity. Integrated amplifiers and controllers ensure message distribution to appropriate zones, guaranteeing audibility even in high-noise environments.

TWO-WAY INTERCOM COMMUNICATION

IP intercoms enable fast and direct contact between various points within the facility – from production halls to warehouses and offices – and are designed to withstand harsh industrial conditions such as dust, moisture, and extreme temperatures.

INTEGRATION WITH SAFETY SYSTEMS

Ambient System solutions allow integration with other safety and building management systems, including BMS, intrusion and panic alarm systems, access control, CCTV and fire protection systems. This enables automatic triggering of voice messages or intercom calls in response to events detected by other systems, significantly reducing response time to threats.

VISUALIZATION AND MANAGEMENT SOFTWARE

The entire system is supported by intuitive visualization and management software that enables centralized monitoring of all components, zone management, message configuration, and control of integrated systems.

References

- » Auchan Warehouse Hall, Łędziny, Poland
- » Panattoni Park, Czeladź, Poland
- » Action Distribution Center, Zakroczym, Poland
- » Auchan Distribution Center, Łędziny, Poland
- » Ball Beverage Packaging Factory, Pilzno, Czech Republic
- » Daimler Truck Logistics Center, Halberstadt, Germany
- » Kipas Factory, Aydin, Turkey
- » Vem Pharmaceuticals, Çerkezköy, Turkey