







# Improving Chemical Inventory Management and Compliance with Mobile Technologies



## The Challenge

Chemical manufacturers face costly challenges in inventory management and compliance because of the potentially volatile nature of the materials they are storing, handling or shipping.

### Chemical companies must be able to:

-  **Identify** the correct inputs for any compound or mixture and verify that those materials are used in the proper quantities and with the proper handling methods
-  **Store** chemicals under specific conditions, including exact temperature and humidity ranges or certain distances from other materials
-  **Accurately classify and label** the types of hazards their chemicals pose
-  **Openly communicate** with personnel about the hazardous materials they are handling and ensure proper training, safety protocols and emergency instructions are in place
-  **Regularly perform** inspections to verify the safety of the operations
-  **Manage** recalls by quickly identifying the materials in question and alerting all entities involved

These activities are time-consuming and cost-intensive, as chemical operations contain hazardous areas where combustible materials restrict the use of mobile devices that would allow technicians to perform tasks more quickly and efficiently.

## The Solution

**Bringing certified, intrinsically safe devices into chemical manufacturing facilities can help to speed up inventory activities and ensure greater accuracy in order to more cost-effectively comply with regulatory mandates.**

### aegex10™ Intrinsically Safe Tablet



The Windows-based aegex10 Intrinsically Safe Tablet is certified for use in ATEX/IECEx Zone 1 and Class I Division 1 hazardous areas of industrial operations where combustible materials are present, including drilling platforms.

- ✓ **Intrinsically Safe C1D1, ATEX/IECEx Zone 1**
- ✓ **4G LTE, WiFi**
- ✓ **IP65**
- ✓ **Bluetooth, NFC, GPS**
- ✓ **-10°C to +50°C**
- ✓ **12-hour battery**
- ✓ **980g / 2.16lbs**
- ✓ **Optional hands-free carrying case, stylus**
- ✓ **IoT ready**





## The Results

Using the aegex10 Intrinsically Safe Tablet in chemical manufacturing inventory management enables operators to:



**Scan to identify correct materials for storage, mixing or disposing:** RFID and barcode readers and AegexScan software use the aegex10 Tablets use the tablet's cameras to safely scan each chemical's barcode and verify it with a database stored on the tablet or in the cloud.



**Maintain database of all materials, activities and customers:** Tablets allow personnel to connect to cloud-based systems to verify and update all data related to chemical stores, including their origins, characteristics, movement and alerts.



**Simplify inspections:** Aegex10 tablets can display automated checklists or instructions for performing inspections and checking off each item. Data can be stored on the tablet or uploaded to a server of choice for cloud storage or sharing.



**Communicating effectively for maintenance, emergencies and recalls:** Tablets can place Microsoft Teams video calls to consult offsite experts, or share photos, videos or other data. Tablets can also alert personnel and provide instructions during emergencies and access ERP or CRM systems to contact supply chains in the case of a recall.

The aegex10 Intrinsically Safe Tablet enables chemical manufacturers to more efficiently manage inventory and complete compliance requirements, yielding greater productivity.



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### Contact Aegex Technologies to learn more about our intrinsically safe solutions for the chemical industry.

Aegex delivers innovative solutions that drive improved performance for industries with hazardous environments. Our globally certified intrinsically safe tablet provides cloud connectivity to personnel working in some of the world's most volatile environments in public safety, oil and gas, chemical, pharmaceutical and other industries with potentially explosive atmospheres. The tablet can work in conjunction with our NexVu IoT Solution of sensor modules and cloud services to form an Industrial Internet of Things (IIoT) that improves safety, efficiency and productivity in hazardous operations.

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