

Preventing Accidents on Offshore Drilling Platforms

Rolloos Red Zone Monitoring +
Aegex Intrinsically Safe Solutions



aegex
TECHNOLOGIES

ROLLOOS



The Challenge

Offshore drilling platforms are dangerous work environments where personnel perform tasks in the same areas where heavy equipment is operating. These areas are known as “red zones” for their great safety risk. Personnel working in or near red zones must improve their situational awareness in order to prevent accidents.

The Solution

The **Red Zone Monitoring** solution by Rolloos, when integrated with Aegex Technologies’ **aegex10 Intrinsically Safe Tablets**, provides warnings to personnel when they approach unsafe areas of a drilling platform.

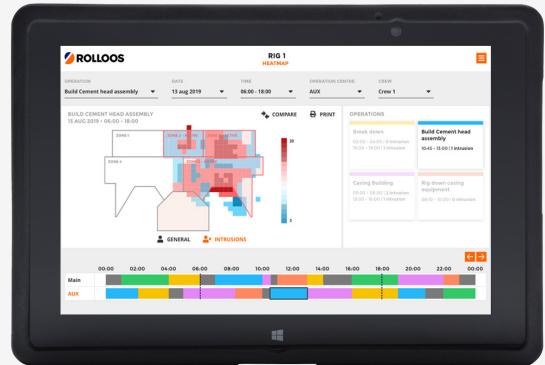
Rolloos Red Zone Monitoring

The Red Zone Monitoring solution includes:

- CCTV cameras and advanced video analytics** constantly monitoring the exact location of people and machinery on the drilling floor
- Movement and status** of equipment to determine safe versus dangerous zones
- Alerts** to notify personnel of unsafe situations
- Routing** personnel to safe areas



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

Personnel carrying aegex10 tablets can safely receive Red Zone Monitoring alerts in real time, anywhere on the drilling floor, showing them where to go to avoid an accident.

The combined solution results in:

- ✓ Increased situational awareness
- ✓ Improved drilling floor safety
- ✓ Reduced incidents
- ✓ Reduced downtime
- ✓ Enhanced operational drilling procedures by creating conditional red zones
- ✓ Standardized statistics on drilling operations to verify performance

Maximize safety and productivity of drilling operations

by reducing downtime and increasing awareness with the aegex10 Intrinsically Safe Tablet and Red Zone Monitoring.



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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Rolloos contributes to a more efficient and safe heavy industry through innovation and excellent service. We aim to create solutions that provide you with the best possible insights to make your operation excel. Whether that is a precise weight indication of your load, automated alarms and image detection within your CCTV system or direct communication through our connectivity solutions: Rolloos leverage accurate, fast and secure information into valuable insights. With Rolloos you improve your safety and efficiency.

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