



## Innovative, Economical Solutions for Carbon Emissions Leak Detection and Repair (LDAR)

### Monitor Everything. Safely.

The Aegex NexVu IoT Solution for remote monitoring in hazardous locations provides the next-level view into operations through real-time monitoring, expediting your response time to address leaks. This approach benefits both the bottom line and the impact of carbon emissions leak detection and repair (LDAR)



Oil & Gas



Chemical



Mining



Pharmaceutical



Public Safety



Utilities

#### Aegex NexVu IoT Solution:

- **Capture multiple** simultaneous inputs for accurate contextual analytics
- **Monitor carbon emissions** alongside operational, maintenance, and HSE data with nominal incremental costs
- **Deploys in minutes**, wireless and battery operated. Designed for short-term or permanent installations
- **Purpose-built** for Zone 1, Class I Division 1 hazardous area
- **Self-configures** to the cloud or on-premises servers
- **Automated workflows** provide data to field staff to immediately initiate response and repairs

**Aegex NexVu IoT Solution** is custom-configurable to track data events specific to your business needs. Data is transmitted to the cloud, enabling Artificial Intelligence (AI) and live visualization of operational data to address issues.

#### Aegex NexVu IoT Solution Components:

- **Endpoint**
- **Battery**
- **Radio**
- **Custom combinations** based on customer requirements
- **"Plug-and-play"** design allows custom selection of conditions to monitor
- **Easily reconfigure** endpoints and sensor nodes to meet specific needs



Pending certifications

**ATEX: Zone 1**  
**IECEx: ib**  
**UL913: Division 1**



[aegex.com](https://aegex.com)



## Solving the Problem of Methane Emissions in Oil & Gas

**Current estimates are that 24% of all anthropogenic methane emissions are a result of leaks in the oil & gas industry.**

Avoiding leaking approximately 20 Million Metric Tons (Mt) or 1.68 Bt of carbon dioxide equivalents (CO<sub>2</sub>e) (IEA 2020 Methane Tracker Report) into the atmosphere is achievable with an effective Leak Detection and Repair (LDAR) program.

The Aegex Product for Carbon Emissions Mitigation is a single workflow product for detection and repair.



**Low-Cost NexVu IoT devices** pervasively deployed in Upstream operations with high accuracy and near-field monitoring provide critical operational data (pump performance, flow rates, etc.) while monitoring methane and other CO<sub>2</sub>e emissions. Typical installations assume 8 to 12 parallel sensors at each NexVu location



**Advanced analytics and prioritizations** of leaks detected and sent to partner field management applications



**As alerts occur, the NexVu cloud manages** workflows and alerts connected workers to initiate repair services via their aegex10<sup>™</sup> tablets

Aegex NexVu, together with our aegex10<sup>™</sup> Intrinsically Safe Tablet, provides a complete LDAR Program solution to quickly and accurately address carbon emissions. The timely detection of carbon emissions, coupled with the ability to communicate with workers within hazardous areas of the facility quickly, will significantly improve response time and minimize leak volume per incident.

To request a demo or to talk to a product specialist, please contact our nearest office or go to:

[www.aegex.com](http://www.aegex.com)

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