



PEX INTELLIGENCE

## Industrial Safety & Health Risk Management

Boosting Safety in High-Risk Sectors



### Goal

Enhance worker safety in high-risk industries using cutting-edge technology.



### Method

We use digital twins and IoT wearables to create and test safety scenarios in virtual models of actual work environments, helping us design bespoke safety solutions.



### Focus

- Construction
- Mining and Quarries
- Oil and Gas
- Aviation and Chemicals



### Vision

Prevent workplace injuries by implementing advanced safety measures, ensuring compliance, and reducing health risks.

[www.pex-intelligence.com](http://www.pex-intelligence.com)

**DEI** LEADERSHIP  
INSTITUTE

## Key features

### Expertise

Lead consultant with 30 years in IT, specialised in emerging technologies.

### Partnerships

Working with industry leaders to improve safety.

### Technology

Employing AI, IoT, XR, and cloud computing for live safety monitoring.

### Tailored Solutions

Customised for specific industry challenges.

### Prevention-Oriented

Aiming to prevent incidents before they occur.

### Support

Full implementation and ongoing assistance.

## Services

### Risk and Scenario Analysis

Use simulations for proactive risk management.

### Safety Equipment Evaluation

Test equipment in various scenarios.

### Hazard Management

Identify and reduce risks through simulations.

### Emergency Drills

Practice virtual emergency responses.

### Training

Virtual training for safe practices.

### Monitoring

Constant virtual checks for safety compliance.

### Courses

Environmental Health and Safety courses.

