



VEUNEX

HSE AI Agent

The Path to
Operational
Excellence,
Zero Harm,
& Net Zero.



VEUNEX & DNV

Lead the Way!

By joining forces with DNV and integrating with the DNV Synergi Life platform, VEUNEX is reshaping the health, safety, and energy industries. This collaboration enables companies to fully automate processes, enhance risk and barrier management, and unlock AI's potential in automation.

Together, we empower energy companies to elevate their HSE and operational performance, making risk mitigation and efficiency seamless. With VEUNEX and DNV, the future of HSE is smarter, more vigilant, and more resilient than ever.

25x

increase in observation and an **80% decrease** in physical observation time

30x

more **data** for **hazard identification** and **barrier** management

76%

improvement in **toolbox talks** using continuous insight and compliance conversations.

2x

acceleration in providing evidence and documents for **API 54** and **IADC guidelines**.



“
VEUNEX is next step in advancement of safety culture and environment. Supports efforts to identify bad practices and makes clear where improvements need to be made.
”

Thomas Delorme
Rig Manager
SANAD

Why Automate HSE?

In the past decade, rig incident rates and fatalities have plateaued, according to IADC reports. Meanwhile, energy companies are also striving to achieve net zero. To overcome these challenges and boost productivity on the journey to net zero and zero harm, **Empowering HSE Teams** through **Automation** is key:

- Scale HSE Operation
- Mitigate the Gap between SOPs and Operations
- Reduce Man on Board
- Streamline Communication
- Elevate Leading Indicator Management
- Achieve Net Zero
- Get Closer to Zero Harm

and more!

“**Digital Tech Can Reduce Emissions by up to 20% in High-Emitting Industries.**

World Economic Forum

Logic Demands Action

■ **43% Increase in Non-Compliance**

Source: UK HSE Energy Division Offshore reports

■ **27% Rise in LTIR**

Source: IOGP reports



Magnify HSE impact-power **VEUNEX HSE Assistant**

Imagine having virtual, scalable HSE officers to do **regular observations**, fill out **checklists**, provide **UA/UC reports** and **generate customized training** for your **toolbox** meetings!

01. Scalable Observation & inspection

In just one month, you will gain 1,000+ scalable observations from just one rig, without any manual data entry.

This wealth of data not only prevents short-term incidents but also fosters a long-term culture shift towards net zero. It's a dual approach that enhances both lagging and leading indicators, paving the way for safer, more sustainable operations.

02. Making Barrier Management Alive

VEUNEX, in partnership with Synergi Life, offers real-time barrier status with advanced risk assessment scoring. Integrated with comprehensive barrier management, it streamlines the traditionally complex and labor-intensive tasks of reviewing, auditing, and controlling organizational barriers. Now, with AI, this process is effortlessly automated.



Scale your Leading indicators

VEUNEX HSE Assistant

Veunex AI-driven platform seamlessly integrates Generative AI, Computer Vision, and Machine Learning, enhancing HSE workflows and exponentially boosting HSE leading indicators within drilling rigs.

03. Automated UA, UC, and Red Zone Management

Veunex has been implemented on over **10 rigs** to date. Through close collaborations with experts and rig HSE teams, it now covers over 150 unsafe actions and conditions indices. It also streamlines red zone management through its user-friendly dashboard.

04. Find Weak Signals from Trends and Behaviors

To promote leading indicators, HSE teams must be aware of and track trends, which can be observed through Veunex. It also reveals hidden behaviors that could lead to incidents or health issues. In our collaboration with Petronas, one finding astonished the rig superintendent and prompted action!

05. Automated Coverage of API 54 Criteria

Automated observations can ensure compliance with various API 54 criteria. In one instance, the Veunex red zone feature addresses tripping and racking criterion No 6.14.2.1, preventing individuals from standing in red zones during well servicing operations.



“ It is Impressive, This type of AI Analytics can show us two different worker behaviors. One is scared of the height and the other one is a kind of reckless to stand on the edge and rely on his equipment waiting for the next job. ”

Richard Lively
Rigs superintendent
Petronas

**Not just in words,
but in action!**

Responsible AI

VEUNEX represents a continuous commitment to the **ethical development** of its AI-driven platform. By adhering to the **highest standards of responsibility and transparency**, we empower companies to harness the full potential of AI while shaping a brighter future for humanity.

“
Responsible AI is not just about liability — it's about ensuring what you are building is enabling human flourishing.

Rumman Chowdhury



Your Safety Our Priority



Images are recorded only for the purpose of improving workplace safety.

- ✓ Privacy Protection Assured
- ✓ Data Security Guaranteed
- ✓ No Face Recognition Used

**Scan QR Code for More Information
Don't Hesitate to Ask Anything!**

- Transparent
- Ethical
- Responsible



SCAN ME



**Full Compliance with
GDPR and EU AI Act**



**No Biometric
Algorithms Employed**



**Transparency and
Full Auditability**



No Footage Retention



Robust Access Control



**Explicit Commitment
to Data Minimization**



**Comprehensive
Anonymity Assurance**



Why Veunex?

Elevating HSE Teams to Unprecedented Heights!

- ✓ **Trusted by pioneers**
- ✓ **The Proven Solution for Drilling Rigs**
- ✓ **Strong Local support**

VEUNEX stands at the forefront of revolutionizing HSE in the energy sector by integrating AI to elevate the capabilities of HSE professionals.

With a proven track record of ten transformative projects in the Oil & Gas industry, we've laid the groundwork for a future that's not only safer but also more efficient.

Choosing VEUNEX isn't just about adopting an AI solution; **it's about enhancing your safety measures, amplifying your impact, and achieving unparalleled results.**

One tech hub, School hill,
Aberdeen, United Kingdom.

+44 20 7097 3132

+44 78 6710 7076

www.veunex.com

contact@veunex.com

JOIN US
BE COMPETITIVE
AND INNOVATIVE