watchgas
detection

RTR solution

Cost efficient scalable compliance solution

Company Name: WatchGas
Station Name: WatchGas

Compliance
Kiosk

watchgas
COMPLIANCE
KIOSK

Tap to activate NFC

Company Name: WatchGas
Station Name: WatchGas

STATUS
watchgas
SST DOCK

Insert device
and close lid

watchgas
RTR Solution

NK Hello, Nemanja Krstonic
Company Admin

Units in Compliance on site: Reading

Back

Check in station	User	Type	Serial no	Last check in	Compliance	Alarm	Health	Events	Data Logs	
UK Site 1	Patrick	SST1-1002 (O2)	S72090510	06/09/2024	Compliant	●	View	View		🗑
UK Site 1	Robert	SST1-1004 (CO)	S74S8665	06/09/2024	Compliant		View	View		🗑
Site Dock	unassigned	SST4-Mini	Mini R New	06/09/2024	Compliant		View	View	View	🗑
Site Dock	unassigned	SST4-Pump	Site pump 2	05/09/2024	Compliant		View	View	View	🗑

0.0 ppm
H2S
watchgas H2S
SST1

0.0 ppm
H2S
20.9
O2 %
CO ppm
Watchgas MINI
SST4

0.0 ppm
H2S
20.9
O2 %
CO ppm
LEL %
Watchgas MICRO
SST4

0.0 ppm
H2S
20.9
O2 %
CO ppm
LEL %
watchgas PUMP
SST4

v1.0K1E

From detection to documentation,
one ecosystem for every industry

www.watchgas.com
www.watchgasusa.com

Industry impact
RTR solution overview
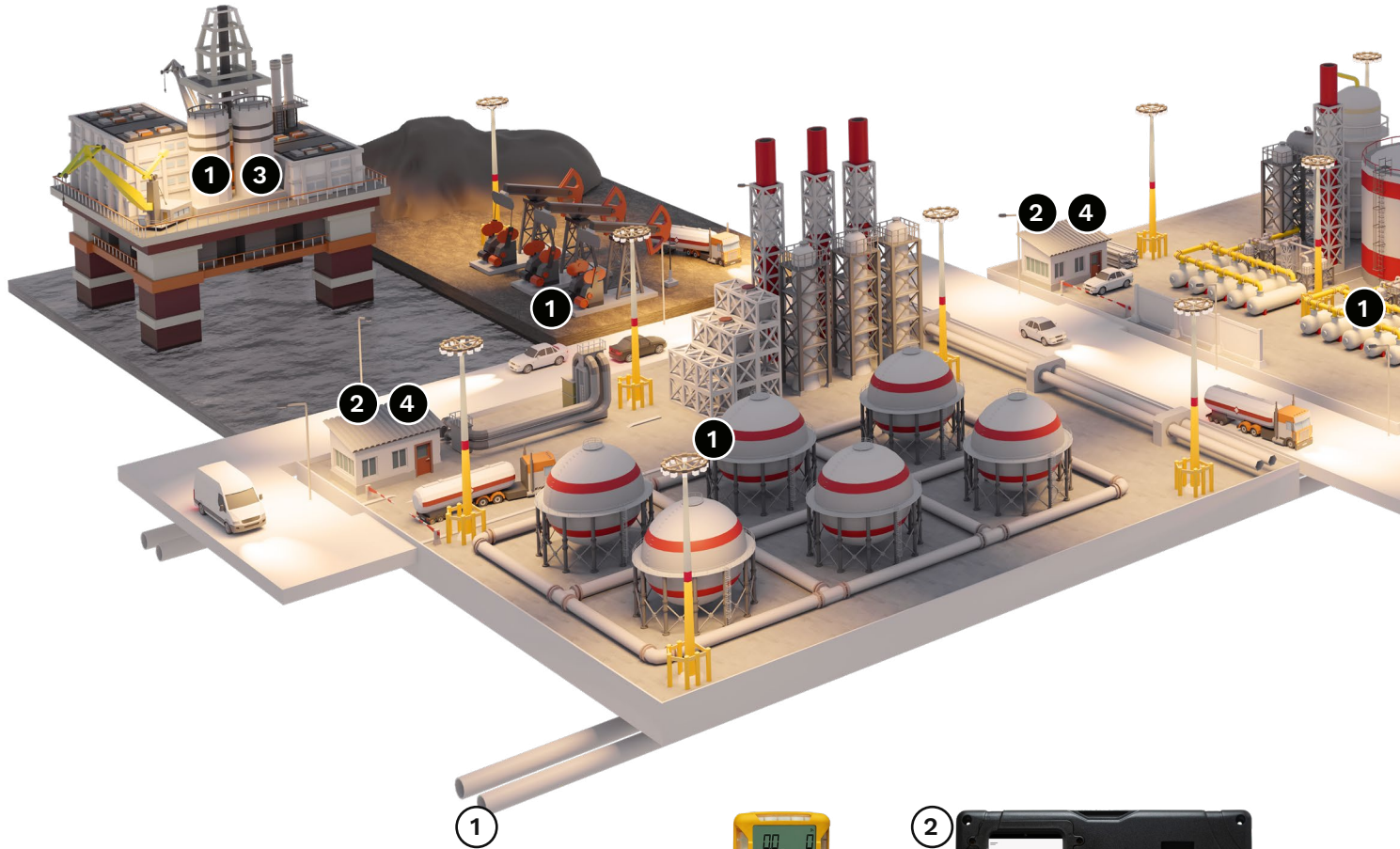
SST RANGE™

Smart safety, simplified compliance

WatchGas RTR (Record to Report) unifies all SST Range devices, the SST Dock, and the SST Kiosk into a single cloud-based platform. It gives managers instant, data-driven insight into device status, maintenance needs, and site performance, helping teams work safer, smarter, and more efficiently.

Key benefits
- Ultra fast detection
- Automated compliance
- Instant data capture
- Long term exposure insights

1. Worker Protection
Always in the Breathing Zone

The SST1 delivers up to three years of continuous protection without calibration or sensor replacement, removing unexpected downtime and costs. The SST4 series covers multi-gas applications with advanced MEMS and infrared sensors, delivering accuracy in even the harshest conditions. Devices are 50% smaller and lighter than industry averages, ensuring comfort in the breathing zone, and respond up to 200% faster, giving workers precious extra time in emergencies.
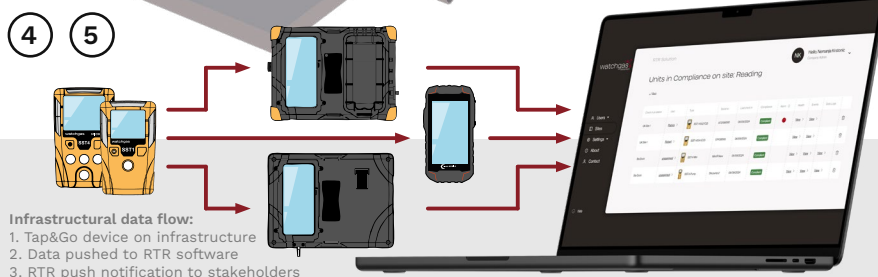
2. Compliance Kiosk
Distributed Safety

The Compliance Kiosk decentralises safety management. Installed at site entrances, muster points, or contractor check-ins, kiosks allow workers to tap in their devices, verify compliance, and log incidents instantly. In evacuation drills, kiosks have reduced muster confirmation times by over 40%, while delivering digital records straight to management. This distribution eliminates bottlenecks and ensures safety data flows seamlessly across the facility.

Infrastructural data flow:
1. Tap&Go device on infrastructure
2. Data pushed to RTR software
3. RTR push notification to stakeholders
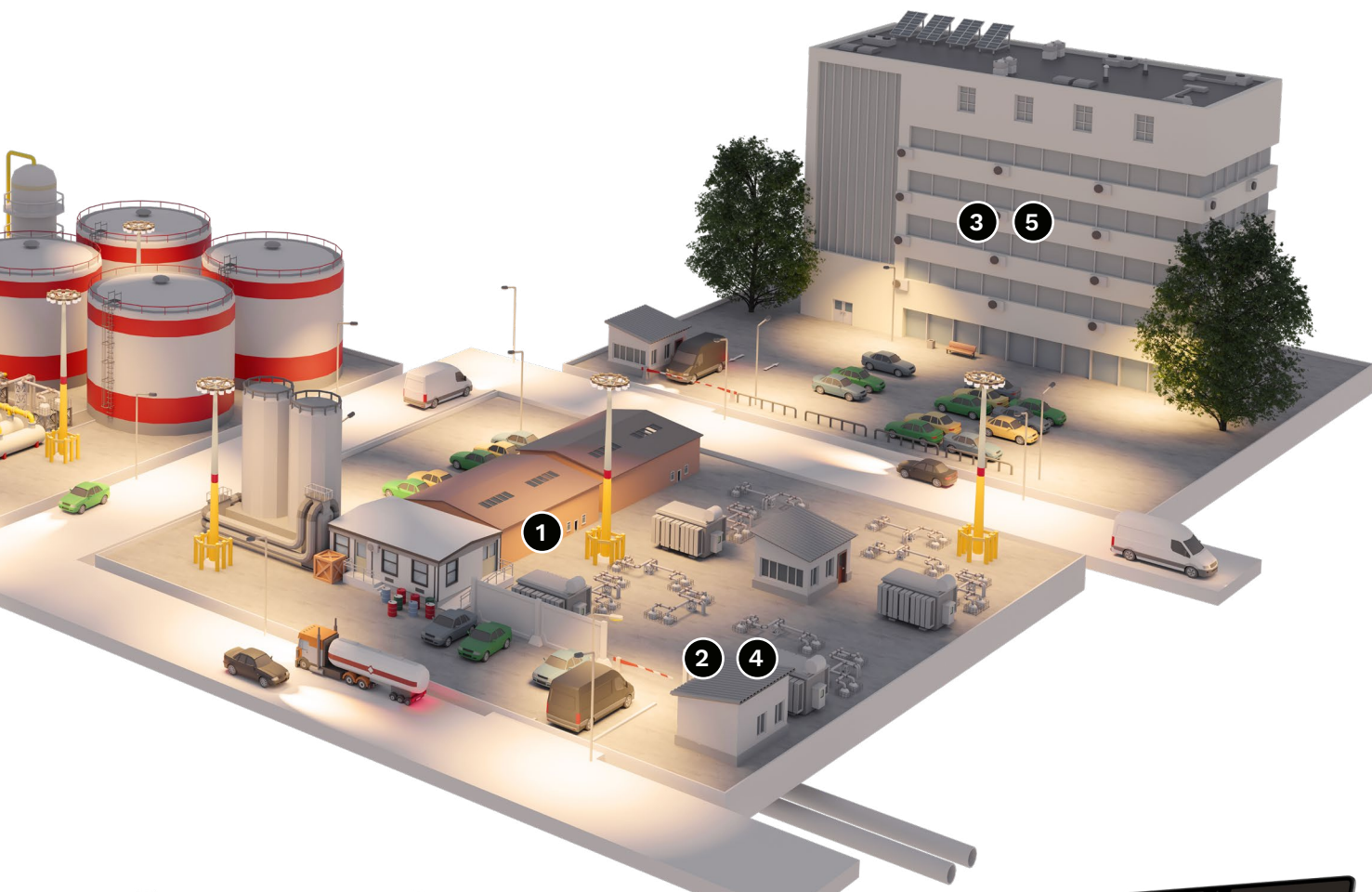
3. SST Dock
Rapid Calibration, Lower Cost

Calibration is a common bottleneck in plants. The SST Dock performs full calibrations on every SST model and can complete bump tests in just 5–8 seconds, reducing gas use by up to 50% compared to traditional stations. Certificates are generated automatically, while built-in diagnostics monitor gas levels and dock health. All device data is sent to the RTR system for complete visibility. The result: lower operational costs, faster worker turnaround, and significantly less downtime.

4. RTR Software
Site-Level Control

The RTR platform captures compliance data and exposures at site level through the use of the SST Kiosk, Dock or mobile app. Dashboards provide daily IOELV values, peak ppm-hour records, alarms and device health. The Star Rating System predicts sensor, battery, and PCB lifespan, turning maintenance into a planned activity rather than a reactive scramble. Audits that once took weeks of paperwork can now be delivered in minutes, with digital records ready at hand.

5. RTR Main Office
Global Oversight Across All Plants

For organisations with multiple facilities or rental fleets, RTR provides a centralised Main Office overview. Every site feeds into one dashboard, enabling global comparison of device status, compliance, and worker exposures. Predictive maintenance can be coordinated enterprise-wide, audits simplified, and operational efficiency maximised. One refinery group cut audit prep time from weeks to hours by adopting RTR, while reducing spare inventory through accurate fleet utilisation.

watchgas
detection

400+
years of combined
experience in our team.

150+
countries across the
globe rely on WatchGas.

75+
professionals driving
our mission.

Contact

Europe
Klaverbaan 121, 2908 KD,
Capelle aan den IJssel,
The Netherlands

info@watchgas.com
www.watchgas.com

Americas
313 N. State Hwy 342,
Red Oak, TX 75154,
USA

info@watchgasusa.com
www.watchgasusa.com

APAC
Woods Square Tower 1,
12 Woodlands Square,
#11-71, Singapore 737715

info@watchgas.com
www.watchgas.com

ANZ

anz@watchgas.com
www.watchgas.com