

Industry impact

RTR solution overview



Global



www.watchgas.com

USA



www.watchgasusa.com

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

- Up to 50% faster detection for quicker evacuation
- Expedited automated compliance
- Seamless data capture for informed decisions
- Proactive safety/operational management

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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.

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2. Spot Checks with Tubes Go Beyond Standard Gases

Pipelines, storage tanks, fumigation areas and high-concentration hotspots demand snapshot readings and specialist gases. WatchGas offers 67+ types of colorimetric tubes, powered by the hand pump, enabling fast, accurate, low-cost measurements. Paired with the Tube App, each test becomes a documented record, connected to the RTR: timestamp, GPS, photo – transforming simple checks into fully traceable compliance data.

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3. 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 of data transfer and testing on docking stations eliminates testing bottlenecks and ensures safety data flows seamlessly across the facility.

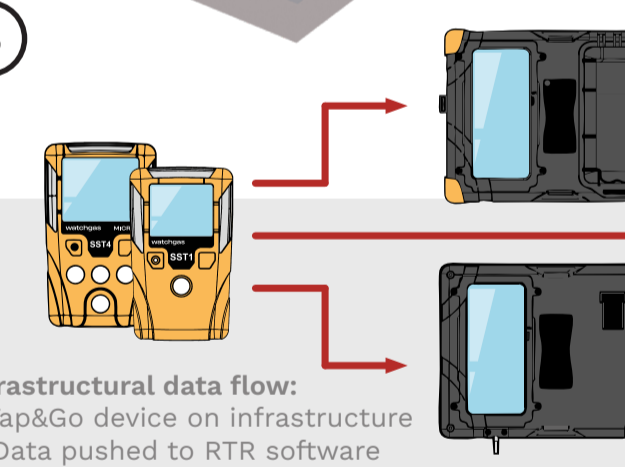
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4. SST Dock Rapid Bump Test, Lower Cost

Bump testing is a common bottleneck in plants. The SST Dock performs bump tests on every SST model in the same universal docking station in just 5–8 seconds, reducing gas use by up to 50% compared to traditional docking stations. Calibrations are automatically conducted when needed. 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.

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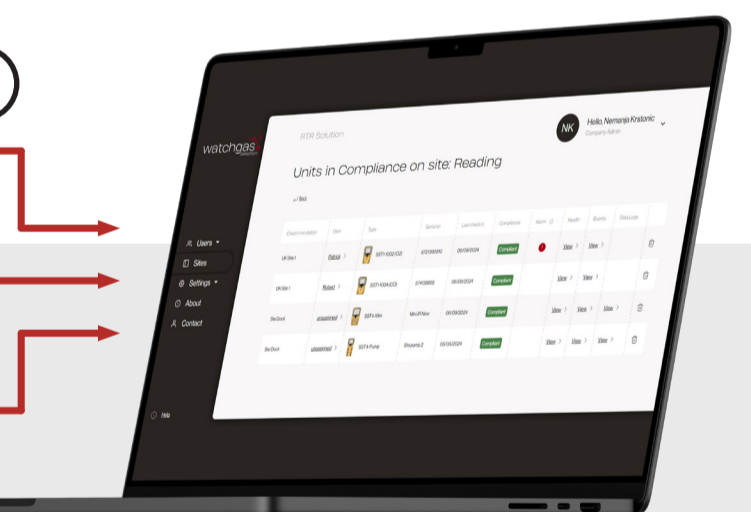


Infrastructural data flow:
1. Tap&Go device on infrastructure
2. Data pushed to RTR software
3. RTR push notification to stakeholders

5. RTR Software Site-Level Control

The RTR platform captures compliance data and exposures at site level through the use of the Compliance Kiosk, SST Dock and in remote applications on the 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.

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6. 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.