

Oil & Gas Industry

GOARC Safety 4.0 - Integrating advanced technologies on a centralized platform for proactive risk management and process safety in the Oil & Gas industry

The dynamic oil and gas industry faces multiple challenges, including fluctuations in global demand, production efficiency, volatile prices, strict environmental regulations, and operational hazards. A source of vulnerability and concern, these challenges are compounded by the risks posed by ageing infrastructure and obsolete technologies. With a lack in real-time status of the employees and the tasks in the field, combined with missing the full view and communication gaps regarding hazard situations, accidents, contractors, remote precise tasks, and emergency situations, the Gas & Oil industry is experiencing major changes.



GOARC's safety solution breaks down information silos, providing dynamic risk management and process safety based on enhanced connectivity. The GOARC platform fully integrates with equipment, software, IoT, sensors and other sources, enabling remote monitoring and real-time data visualization in a single command center. The technology-based platform provides data-driven decision-making capabilities with Al-based preventive analytics and insights. A central source of reliable data consolidates information, monitors and tracks workers, equipment, tasks and maintenance procedures to improve operational performance, enable fast response, and ensure correct actions for an efficient and safe environment.

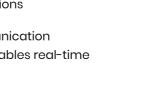
In a dynamic environment with multiple operational risks involving complex equipment and production processes, the key to worker safety is connectivity, process improvement, and proactive safety management. GOARC's platform connects management, workers, assets, and processes, empowers connected workers, provides constant worker awareness and reliable communication in an integrated system that enables a focus on prevention and the highest standard of operational efficiency to improve safety while creating value and increasing sustainability.

Track and monitor operations and work processes and

Integrated data and advanced analytics

gain critical insights with dynamic, centralized data transfer from the field

- Seamless flow and integration of data including external and internal data sources, IoT sensors and other connected equipment, operational data, real-time worker status and equipment checks Centralized data visualization with AI and ML analytics for
- improved and rapid decision-making, facilitating proactive corrective and preventive actions Al-powered actionable insights for safety and informed risk
- assessment Effective and timely identification of potential hazards and equipment malfunctions
- Connected worker monitor sensor-equipped wearable devices for injury prevention, biometrics and performance-
- related data to identify fatigue, falls, etc. Visual reports and notifications from the field, workers as proactive part of feedback loop
- Data-driven insights to make faster, better decisions
- Multi-directional flow of information and communication
- improve processes and overall performance, enables real-time alerts and notifications, fast response time





One source of information – a centralized network collects

Integrated command center

- and aggregates massive amounts of data, breaks down silos of information
- Updated records and investigation reports, analysis

management

Integrate data, analytics, and workflows

- Real-time alerts and response, rapid emergency
- Enhanced communication from the field, greater worker awareness and engagement





Tracking & Scheduling of key safety features such as pressure, temperature, measurement percent value,

desiccant change, oil change and more

operational efficiency

Enhanced process safety and

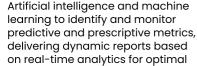
- ldentify risks and ensure timely incident escalation Real-time information availability including
- emergency procedures and relevant safety documents for machinery operation and product
- handling Close skill gaps, build competencies, promote informed, engaged and safe workforce
- Connected safety: data-driven personalized safety insights and training, guidance
- Improve production performance and quality

GOARC's Value Reach Operational Excellence with GOARC's technology

AI & Machine Learning **Connected Worker Command center**

GOARC's Connected Worker

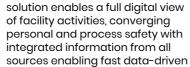
decisions at the right time.



risk and safety management.

Permit to Work

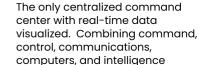
Emergency Management



Shift Management

Asset Management

Unique Visualization and Dynamic Personalized Routines



together in one source for a full digital view of facility operations

Emergency Preparedness

Incident Management

Audits

Operator Rounds

Hazard Management



corrective action

Analyze all work

processes across

the facility and set

and monitor KPI's



and notifies workers

equipment audits,

with push

notifications

Emergency

training and emergency drills



standardized and

optimized process



and alerts







Industries







Trusted and used daily by

teva

Mining











Manufacturing











with superior visualization and dynamic work activities and risk management. It connects people and aggregates disparate data from systems, sensors, and the human-derived activities - delivering meaningful, actionable insights across the organization.

GOARC's industrial safety solution delivers a real-time view of a plant's operational reality