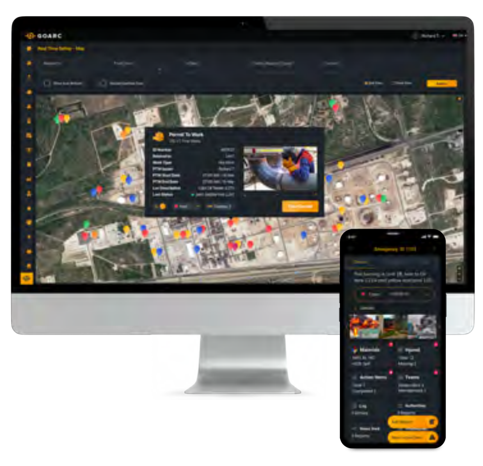
GOARC

Pharmaceuticals Industry

Integrating advanced technologies on a centralized platform to improve process safety, performance, and productivity in the Pharma industry



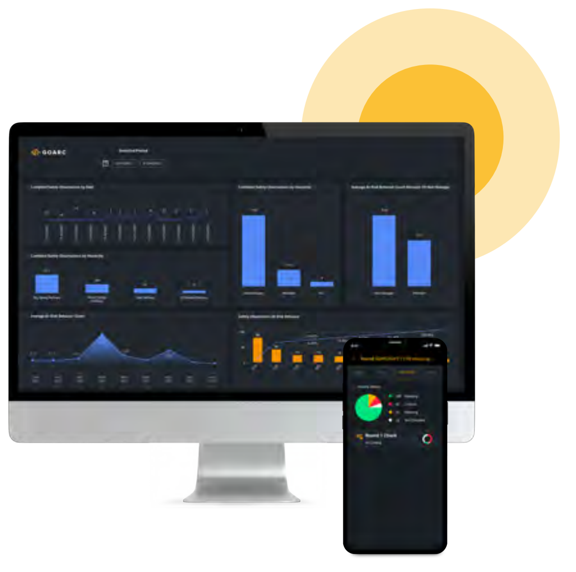
The Pharma industry faces multiple safety and performance management challenges in drug development and manufacturing processes. The risks of working with hazardous materials and potentially dangerous chemical reactions require continuous risk assessment and control of laboratory operations and conditions. Market demands necessitate rapid adaptation, accelerated development and production while maintaining cost-effectiveness, strict regulatory requirements, and quality assurance. Faster and more complex manufacturing processes require real-time monitoring to prevent mechanical failures, ensure optimal speed, critical equipment settings, and safe operating procedures.

GOARC's safety solution provides dynamic risk assessment and enables proactive and preventive measures to ensure process safety and operational excellence in pharma plants. Reliable monitoring and real-time data on assets, workers and processes enables hazard identification, mitigates mechanical issues, reduces stops, and prevents production deviations that are critical to performance, worker safety, product quality and production capacity. Improved communication, data transfer and accessibility to safety information ensures rapid response in emergencies and enhances safety in a connected worker environment.

Addressing the critical importance of process safety, rapid decision-making and quality control in the Pharma industry's fast-paced development and production environment, GOARC's platform offers centralized control, connecting management, workers, assets and processes, and empowering connected workers. AI-based analytics and insights and reliable communication in an integrated system are vital for proactive and preventive risk management, safety performance, and increased productivity.

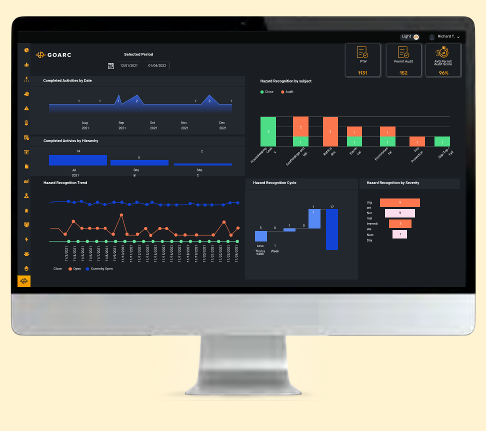
Integrated data and advanced analytics

Gain critical insights on real-time status of laboratory processes and production to maximize personal and process safety, facilitate performance management, and ensure implementation of best practices and quality control



- Real-time identification of potential laboratory process and materials hazards and malfunctions of sensitive equipment
- Centralized data visualization with AI and ML analytics for improved and rapid data-driven decision-making and risk assessment to facilitate corrective and preventive actions and ensure compliance
- Seamless flow and integration of data from labs and production floor including external and internal data sources, IoT sensors and other connected equipment, operational data, real-time worker status and equipment checks
- Bi-directional communication between connected workers in the laboratory and manufacturing and centralized command center enables real-time alerts and notifications and quick response time to prevent and mitigate laboratory safety hazards and improve productivity
- Reliable data transfer, data analytics and accurate documentation ensure quality and prevent product deviations
- Monitor process-critical parameters in lab processes and in manufacturing equipment in real time

Integrated command center



- One source of information – a centralized network collects and analyzes huge amounts of data
- Centralized control and validation of work processes at all levels of the pharma plant
- Real-time view of operations and performance for remote asset management, hazard control, quality control, and worker safety
- Updated records and investigation reports
- Enhanced process safety with end-to-end visibility across plant and operations including laboratory, production lines, and maintenance procedures

Critical reports and investigations

- Monitor development process in the lab, data collection, maintenance and operating procedures
- Monitor process-critical parameters in the laboratory, make real-time process, settings and materials adjustments and identify hazards
- Detailed equipment status reports enable effective response to minimize risk of mechanical stress and failures that can cause material loss, injuries, delays in production and reduced capacity
- Aggregated data and reports and accurate, complete documentation for quality and incident investigations

GOARC's Value

Reach Operational Excellence with GOARC's technology

AI & Machine Learning
Artificial intelligence and machine learning to identify and monitor predictive and prescriptive metrics, delivering dynamic reports based on real-time analytics for optimal risk and safety management.

Connected Worker
GOARC's Connected Worker solution enables a full digital view of facility activities, converging personal and process safety with integrated information from all sources enabling fast data-driven decisions at the right time.

Command center
The only centralized command center with real-time data visualized. Combining command, control, communications, computers, and intelligence together in one source for a full digital view of facility operations

Unique Visualization and Dynamic Personalized Routines

- Permit to Work
- Shift Management
- Operator Rounds
- Emergency Preparedness
- Audits
- Emergency Management
- Asset Management
- Hazard Management
- Incident Management
- LOTO

Our Solutions

Control of Work

- Flexible system with dynamic routines and workflows
- Data support investigation and corrective action
- Analyze all work processes across the facility and set and monitor KPI's

Critical Event Management

- Integrated end-to-end emergency communication and handling
- Detects anomalies and notifies workers with push notifications
- Emergency equipment audits, training and emergency drills

Asset Performance Management

- Track, analyze and manage asset lifecycle
- From inspections to maintenance with a standardized and optimized process
- Analyzes device properties to predict failures and performance degradation

Health & Safety

- Proactive protection against potential dangers
- Data-driven actionable insights and alerts
- AI-enabled analytics and case management tools

Industries

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teva · ICL · DEKRA · Delek · Keppel · FirstEnergy · CARMOCHROME

About GOARC

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

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