Occupational hygiene uses science and engineering to prevent ill health caused by the environment in which people work. It helps employers and employees to understand the risks associated with the industry and to improve working conditions and working practices.

These days the range of health risks in the workplace is more varied than ever. Consideration needs to be given to several health hazards such as chemicals, noise, heat or cold, ergonomic stresses, ionizing radiation, microwaves, infectious diseases and psychological stress. Occupational hygienists have to protect workers from hazards posed by advanced technologies and need to anticipate the risks encountered from other emerging technologies.

You need to consider the impact of changing demographics and patterns of employment. Managing occupational hygiene data is challenging in that information is often stored on paper forms, or in Excel spreadsheets, making it difficult to track trends and identify exceptions. The sensitive nature of the information also means that it is imperative to ensure access to personal data is strictly controlled.

**Our Solution**

The IsoMetrix Occupational Hygiene solution assists occupational hygienists to effectively identify health hazards and mitigate risks, thereby providing a strategic approach to the management of a healthy and safe work environment.

We have considerable experience in implementing occupational hygiene solutions for our clients. In designing our solutions, we have worked closely with occupational hygiene specialists to ensure the solution is practical and user-friendly.

All organizations have processes that are unique to their business. Tailor IsoMetrix to easily fit your specific requirements.

The security functionality in IsoMetrix allows for a multi-dimensional approach to system security, enabling security by organizational structure, risk discipline and user group.

**Key Features**

**Set up a Similar Exposure Group (SEG)**

The purpose of the SEG module is to eliminate or minimize employee occupational exposure to any work-related activities that are known to have exposures that require protection on behalf of the employees. The module assists the hygienist in setting up:

- Occupational exposure limits
- Monitoring frequencies
- Classification categories
- Units of measure
- Sample percentages

**Hygiene Monitoring Planning**

The Hygiene Monitoring Planning module assists the hygienist to plan sampling dates and times covering the exposures and activity areas identified as necessary for the ongoing management of a safe workplace for all employees.
Hygiene Monitoring

The Hygiene Monitoring module allows hygienists to record detailed sample data from chemical, biological and physical hazards that have been planned and captured in the Hygiene Monitoring Planning module for samples that need to be taken at a later stage.

Equipment Calibration Management

The Equipment Calibration module provides hygienists with the ability to comprehensively manage a wide variety of equipment that should be tracked, calibrated, inspected or maintained.

Centralized Libraries

The solution contains libraries for the following information which is critical for the management of occupational exposures:

- Occupational job profiles
- Employee information
- Hazardous chemical agents
- Activity areas
- Equipment and tools

Integrate with the IsoMetrix Occupational Health module to reveal the individual's occupational exposures within the occupational health profile during medical or health surveillance.

Why IsoMetrix

Powerful visualization. Greater visibility enables better decision-making. The IsoMetrix dashboards present visibility around leading indicators, as well as the analysis of trends and exceptions. All data captured into the system is immediately available in the dashboards, from which you can drill down to record level when needing to understand specific results or trends.

Integration. The ease with which new modules can be created in IsoMetrix means that systems that are usually not integrated – islands of information such as standalone spreadsheets and databases – can be consolidated into a single system, with centralized administration and security. Integrating systems in this way drives organizational efficiency. IsoMetrix integrates with the Internet of Things, Active Directory, GIS solutions and various third-party systems such as ERP and HR.

Assurance. Trust your data. Because data is only captured once, there is less room for error. All reports aggregate records from source and allow drill down to specific record details, allowing for full assurance and effective audits of the reported data.

Airborne Pollutants Monitoring

Noise Monitoring

If you have any questions about IsoMetrix or our solutions, please contact the sales team at sales@isometrix.com

isometrix.com

Our solutions include: Health, Safety & Environment • Enterprise Risk Management • Social Sustainability • Governance & Ethics • Legal Register • Compliance • Process Safety • Environmental Sustainability • Contractor Management • Business Continuity Management • Document Management • Quality Management • Food Safety • Land Management & Resettlement • Occupational Health • Occupational Hygiene • Primary Healthcare & Wellness • Process Compliance & Assurance • Tailings Management