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RETROSPECTIVE MEASUREMENT OF RESPIRABLE DUST IS NO LONGER ACCEPTABLE.

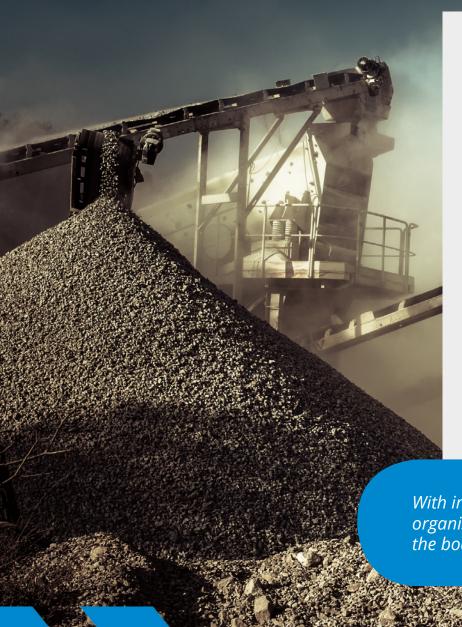
According to the HSE around 4,000 people in the UK die from dust inhalation related to exposure in the workplace every year and hazardous industries need to improve the working environment. While regulation is being tightened to improve working conditions, it is the fear of legal claims that is focusing attention for managers, board members and shareholders.

- How confident is the business that employees are safe from exposure to hazardous dusts, including silica?
- Faced with the need to boost efficiency and reduce operational costs, can managers really afford to implement stringent health and safety practices that affect employee performance?
- Can they afford not to, given the increase in law suits?

Without immediate visibility of the quality of the working environment, it is an impossible choice. How can any manager determine appropriate levels of dust suppression or create the right working environment without real-time monitoring of hazardous dust levels?

This eBook outlines the role of real-time monitoring technology in hazardous environments.





LEGISLATIVE LIMITATION IN HAZARDOUS ENVIRONMENTS

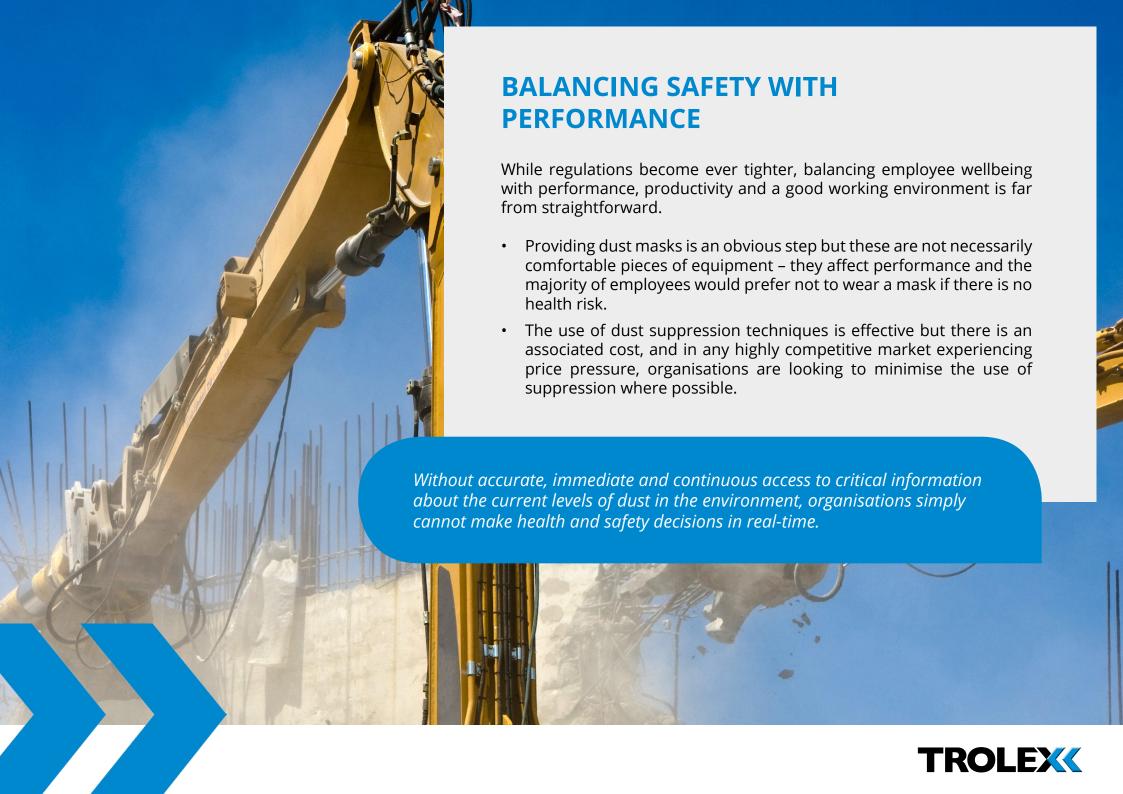
Safety regulation across the globe has become ever more stringent as authorities have recognised the dangers associated with working in hazardous dusty environments. From mining to tunneling and manufacturing, hundreds of thousands of individuals are working every day in high dust environments, and therefore at risk of inhaling potential health damaging toxins, most notably silica.

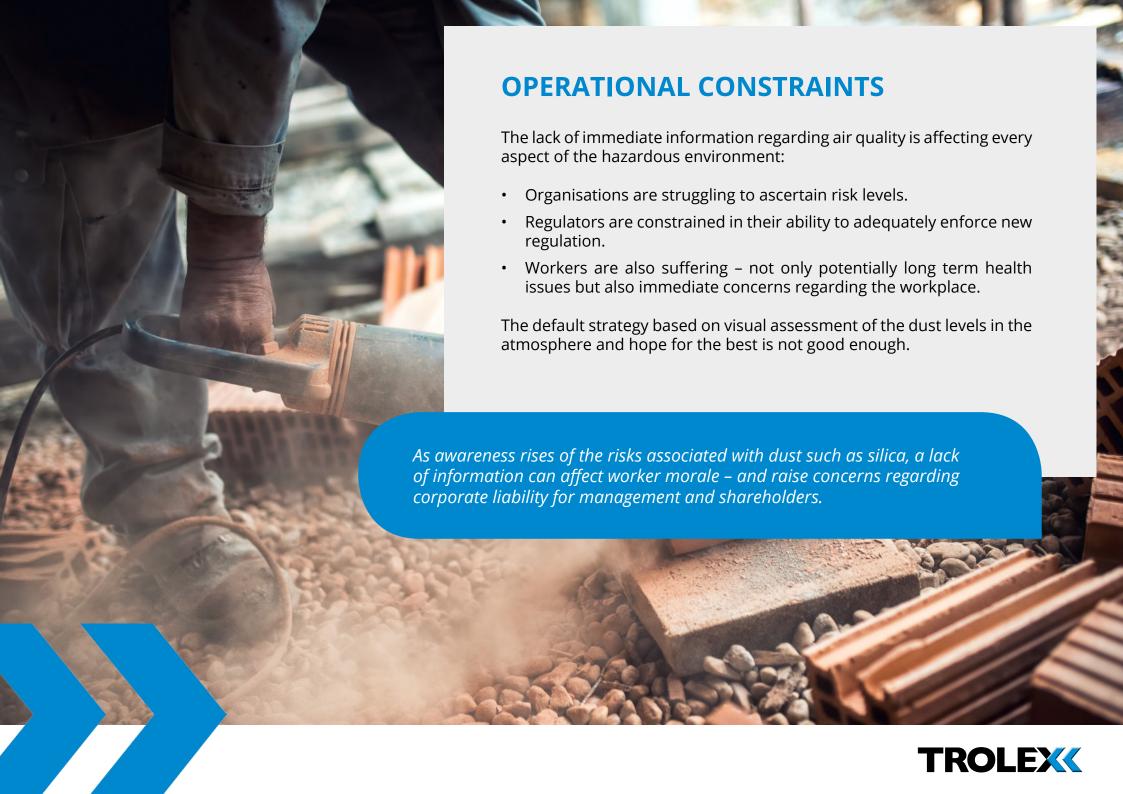
The problem is escalating, with new technologies being introduced in many hazardous industries opening up new opportunities but also creating the risk of significantly more dust.

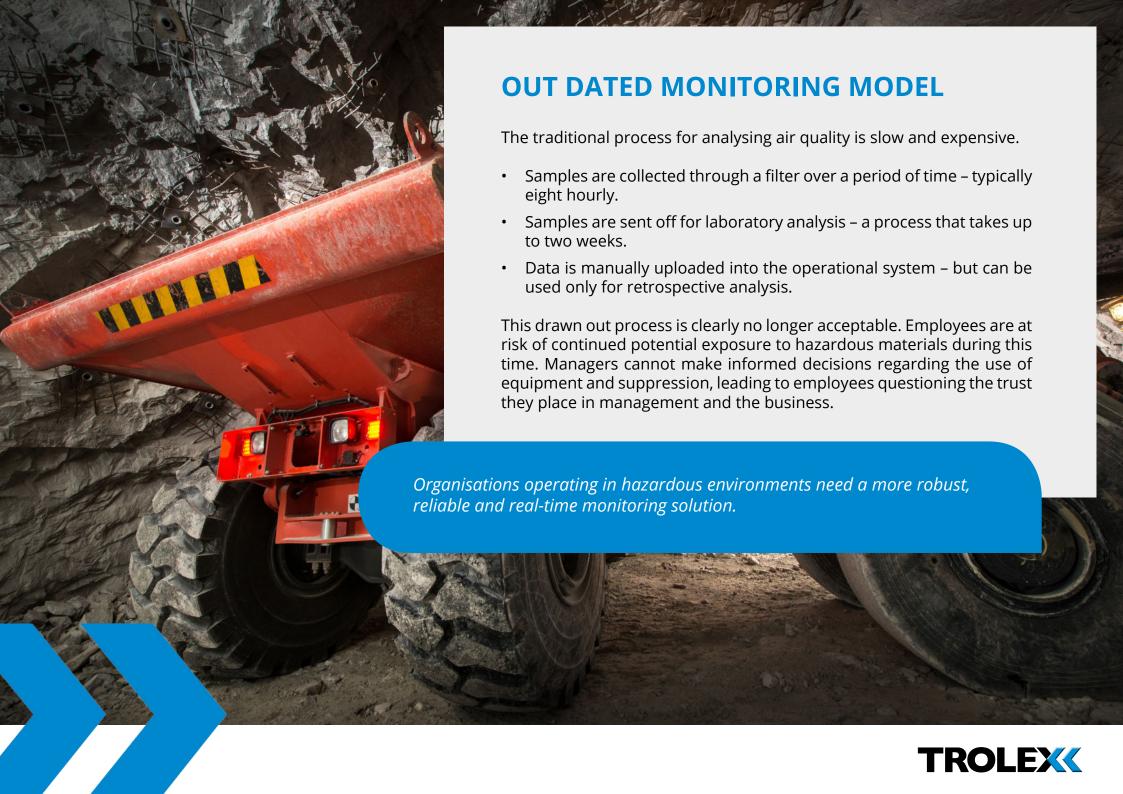
Such exposure can be insidious – workers are often unaware of any health issues until many years after the fact, as the raft of new legal claims facing companies every year attests.

With increasingly challenging operating environments, how can organisations protect all stakeholders – from employees and managers to the board and investors?

















CONCLUSION

While environmental monitoring has become a standard activity within hazardous environments over the past decades, the lack of real-time information on dust levels has constrained both regulators and operators.

Without any way of accurately assessing the air quality in real-time, organisations have an impossible choice between ensuring employee safety and compromising operational costs and productivity.

With accurate, immediate information on the quality of the environment:

- Managers can confidently improve operational efficiency without fear of compromising workers' health.
- Organisations can confidently embrace the operational tactics that tend to create more dust – most notably silica – with full visibility of the impact on air quality and employees' health.
- Stakeholder concerns can be allayed.
- Business can deploy dust suppression and containment systems strategically and in a smart way that minimizes cost and maximizes production efficiency.

Using real-time information will go a long way towards minimising employee exposure, reducing time off work and negating the risk of legal action in the future.





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