INDUSTRY RISKS
CONSTRUCTION

OVERVIEW

OSHA estimates that approximately 1.85 million workers are currently exposed to Respirable Crystalline Silica (RCS) in US construction workplaces. This, along with other risks such as gas exposure can come about due to certain processes and conditions in construction and building environments.

KEY STATISTICS

- International Labour Organisation estimates that 220 million people work globally in construction
- The UN Environment Programme claims the construction sector is by far the largest emitter of greenhouse gases, accounting for a staggering 37% of global emissions
- According to UK Parliament, 25% of the UK's total greenhouse gas emissions are attributable to the building environment
- OSHA estimates that approximately 1.85 million workers are currently exposed to RCS in US construction workplaces
- Every year, an estimated 600,000 workers are exposed to silica in the UK according to British Safety Council

WHAT ARE THE RISKS?

Particulate	Gas
Construction dust	Diesel + petrol leaks
Diesel Engine Exhaust Emissions	Flammable gases
RCS	Lead, pigments + catalysts
Wood dust	Solvents
	Volatile Organic Compounds

WHY MAY THESE RISKS OCCUR?

Particulate	Gas
Chasing concrete	Cutting into natural materials
Cutting paving blocks + tiles	Mixing chemicals for materials
Dry cutting + sweeping	Use of construction vehicles
Sanding + polishing wood	Welding + soldering materials
Scrabbling + grinding concrete	Confined space access
Use of construction vehicles	

ENHANCE YOUR WORKPLACE SAFETY

See how you can make use of AIR X Particulate Monitoring and Gas Detection technology at trolex.com/products to safeguard against risks in your industry.