

Optimizing Worksites with Weather and Air Quality Station

Scenario

Environmental factors are uncertain and pose significant risks for workers on construction sites, including exposure to heat waves, cold snaps, and lightning strikes, which call for streamlined construction activities to nurture safer workplaces.

Potential Safety Threats



Ensuring Worker Safety and Well-Being across KSA's Construction Sites

SAMI-AEC Raqeeb offers robust Weather and Air Quality Stations that monitor, analyze, and record environmental parameters to elevate Saudi Arabia's construction site safety. Early warnings of potential risks or hazards facilitate informed decision-making that minimizes risks and promotes a safe working environment.

SAMI-AEC Raqeeb: Weather and Air Quality Station

Weather Conditions Assessment

- ▲ Temperature
- ▲ Humidity
- ▲ Wind speed/direction

Air Quality Statistics

- ▲ Concentration of pollutants
- ▲ Emission/presence of gases

Safety Alerts on Adverse Conditions

- ▲ Sudden weather changes
- ▲ High pollutant levels
- ▲ Unsafe wind speeds

Core Benefits for Construction Sites

