At a Glance

Most detector system placement methods have limitations when it comes to detection of hazards. Det-Tronics expertise and proven detection technologies along with 3D mapping software mitigate risk, meet compliance requirements and advance safety to a new standard. High-risk environments require optimized placement of detectors. Det-Tronics detectors, systems and consulting service continue the legacy of strong leadership to protect and care for our customers and their environments.

APPLICATIONS
- Petrochemical plants
- Offshore platforms
- Pipeline compressor stations
- Refineries
- Turbine enclosures
- Transport loading racks
- Petrochemicals
- Chemicals
- Automotive paint spray
- Munitions
- Hangars
- Semiconductor
- Industrial process
- Hydrogen storage

FEATURES
- Third-dimension accounts for the Z-axis
- Advanced software
- Full-service solution
- Statistical analysis
- Quantitative data and reports
- Answers established method and safety requirements (HSE, ISA 84, ANSI, IEC 61508, LOPA)

BENEFITS
- Identifies zero or limited coverage areas
- Optimizes placement and uncovers obstructions
- Developed, tested, manufactured and installed by market leader
- Reduces probability of failure (1ooN, voted 2ooN, etc.)
- Risk mitigation documentation that meet requirements
- Hazard identification, risk mitigation and compliance
CURRENT DIAGRAMMING OPTIONS

Freehand: Rudimentary  
Vector: Limited visual description  
2D: Misses Z-axis  
3D: Advanced approach meets today's standard

HOW IT WORKS

1. Det-Tronics consults and gathers important process data and requirements
2. Safety analysis and system optimization using 3D software mapping determines preliminary detector placement
3. Det-Tronics certified fire protection engineers identify zero coverage and obstructed view areas
4. Coverage area and detector location are defined by Det-Tronics to mitigate risks
5. Report delivered using statistical analysis and assessment

Installation of the system based on documentation includes:

- Detector location (X-, Y-, and Z-axis; inclination and declination)
- Confirmation of coverage
- Statistical analysis
- Recommendations for detection—technology, sensitivity and optimized settings

Regulators, insurers and auditors of the detectors and coverage recognize the high-risk environments and are becoming more demanding. The ability to detect fire and gas requires premier level attention. We work with you in the high-risk zones to deliver top-notch safety and protection. With 3D mapping and our industry expertise, Det-Tronics once again advances the standard.

CONTACT US TODAY TO LEARN MORE.