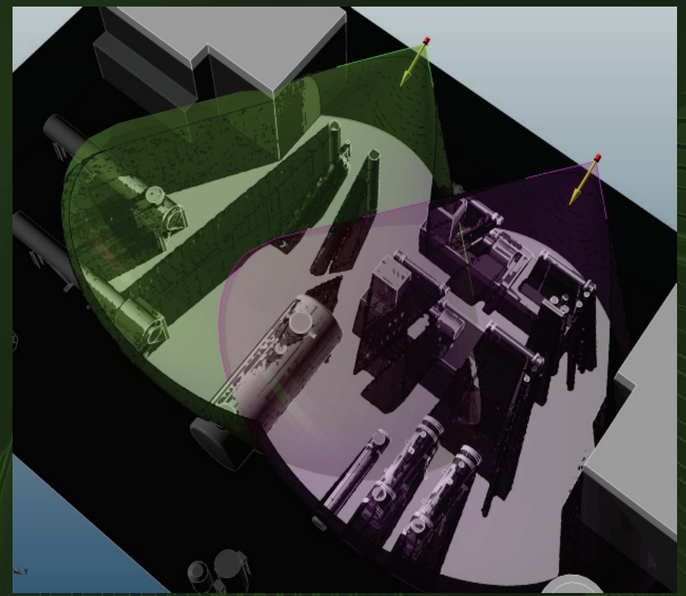
Detect3D

Detect3D is the most accurate fire and gas mapping software product for the design and assessment of detector layouts. Using the integrated design environment line-of-sight flame detectors, and point and open-path gas detectors can be interactively positioned and oriented within any geometry.

Regions of zero coverage are highlighted and the user receives real-time feedback as they make adjustments. Obstructions to a detector's field of view (FOV) are accurately calculated in full 3D by casting tens of thousands of rays.

Our new **Optimization** feature uses Genetic Algorithms to determine the optimal positions and orientations of detectors while reducing the number of devices required to obtain chosen performance criteria.

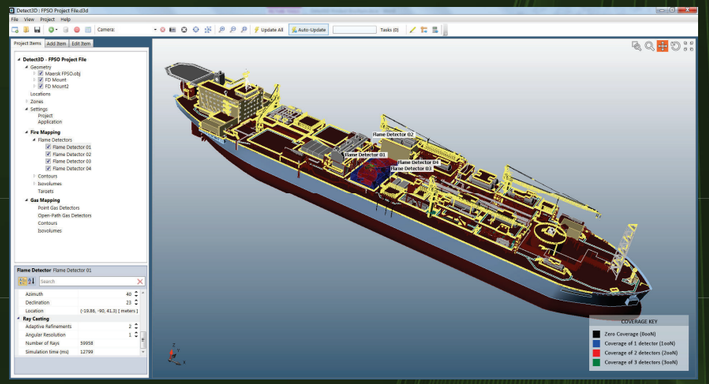


Work Directly with CAD
- All obstructions are accounted for – what is in your CAD file is what obstructs a detector.
- Import CAD in Microstation® (.dgn), Autodesk AutoCAD® (.dwg, .dxf), STEP, IGES, OBJ and Stereolithography (.stl) formats.
- Can export detectors to CAD (DGN and DWG) for complete, two-way, integration.

Efficient Workflow
- Performing fire and gas mapping studies in-house enables optimal positioning of detectors to comply with industry performance standards.
- Design changes are seamlessly integrated.
- Reanalyze reliability of detector layouts in seconds by disabling detectors to assess coverage during maintenance or downtime.
- Output auto-generated reports showing coverage statistics and detector positions in pdf and Microsoft Excel formats.

Safety
- Define multiple fire zones and assign different risk grades for each one.
- Highlight zero-coverage areas within each fire zone using 3D surface volumes and 2D contour plots.
- Receive immediate feedback if you re-position or re-orient the detectors for an improved layout.

Flexibility
- Select detectors from internal Manufacturer's Database or create a custom detector.
- No CAD? Use Detect3D's integrated geometry creation tool to manually create 3D models from scanned drawings.



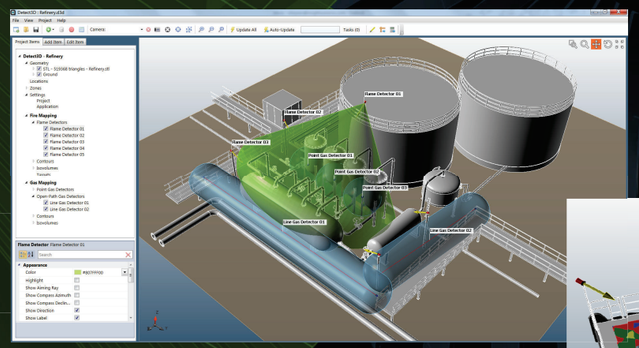
Download Detect3D Full Demo Today at

www.insightnumerics.com

Detect3D is the **ONLY** Fire and Gas mapping software on the market which can be installed on Windows workstations.

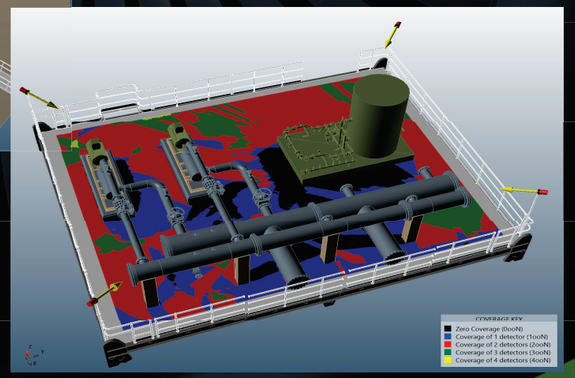
Detect3D provides:

- The highest quality solution for fire and gas detector layouts
- Full CAD integration for each project design phase
- Easy-to-understand results
- Rapid turnaround time



Detect3D is developed and maintained by Insight Numerics. For further information, contact:

info@insightnumerics.com



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