



Operational Excellence Services

**Health · Safety · Environment
(HSE)**

Fire and Gas Assessment



Contact Us

 [Technology Inquiries | Contact Us | JGC HOLDINGS CORPORATION](#)

Access to Our Homepage

 <https://www.jgc.com/en/business/epc/operation-maintenance/service/>

Fire and Gas Assessment

Do you have any of these issues?

- ☹️ **Insufficient Fire and Gas detector coverage**
- ☹️ **High Maintenance Cost of fire and gas detectors**
- ☹️ **High Insurance Fees**

Fire and Gas Assessment Solution

- Evaluation of facility and gap analysis
- Identification of credible fire and gas leak hazards
- Conduct fire and gas mapping study to ensure the effectiveness
- Safety improvement by appropriate fire and gas detector placement



Gas Detector



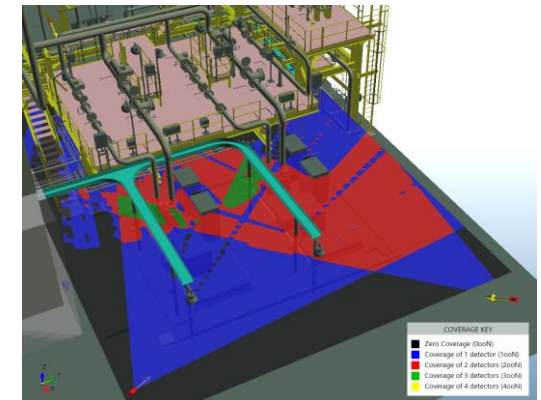
Plant are Covered by Fire and Gas Detectors



Flame Detector

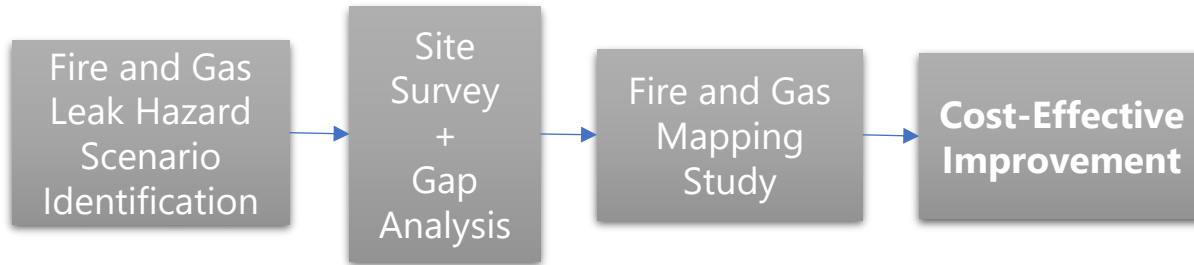


Evaluation of Facility



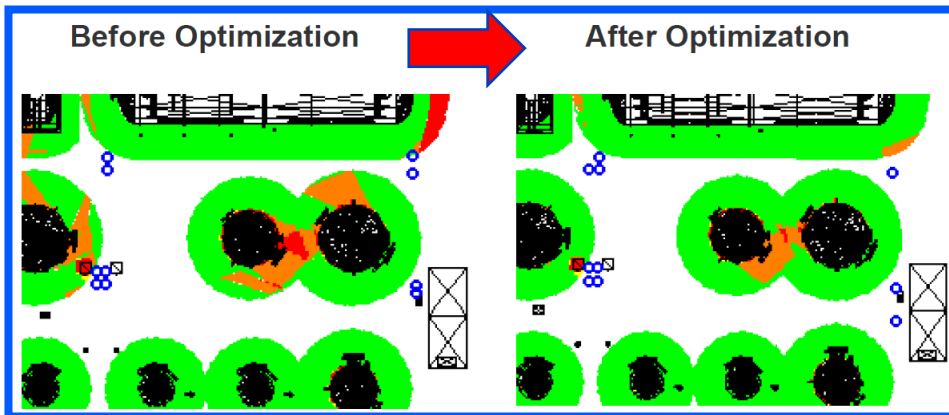
Fire and Gas Mapping Study Technology

Workflow & Result



Mapping study

One of the methods to analyze the effectiveness of fire and gas detectors, and optimize detector location



Same quantity of gas detectors --> Better coverage (wider green area)

Our Strengths

- **Professional Safety, Instrument, Process and Analysis Team**
- **Top global experience** in fire and gas system design and application from EPC execution
 - Plant type - Refinery, Gas Processing, LNG, Chemical
 - Plant location – Onshore, Offshore
 - Client – IOCs, NOCs
 - Code and Standards – NFPA, API, BS, etc.
- **Relationship with global fire and gas detector suppliers**
- **Analysis software** – Detect 3D(Insight numerics), Phast (DNV), FLACS(Gexcon)

Our Experiences

30+

Mapping Studies

Fire and Gas Mapping Study
Experience 20+ Studies

500+

Cases

Fire and Gas Design 500+ Cases