



# Operational Excellence Services

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

**Fire and Gas Assessment**



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## Access to Our Homepage

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

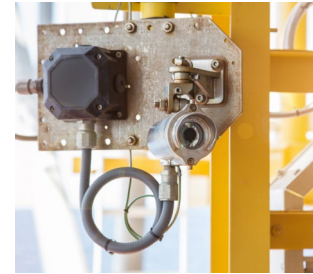
# Fire and Gas Assessment

## Do you have any of these issues?

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

## Fire and Gas Assessment Solution

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



Gas Detector



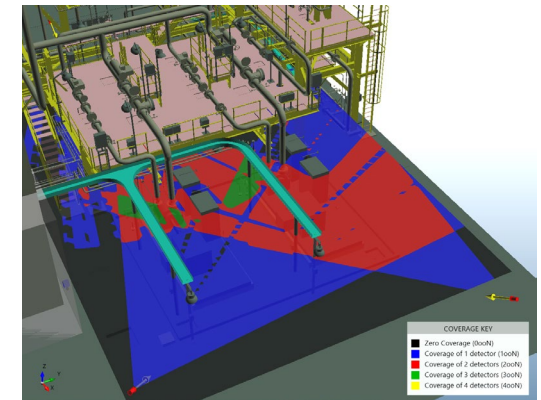
Plant are covered by Fire and Gas Detectors



Flame Detector



Evaluation of facility



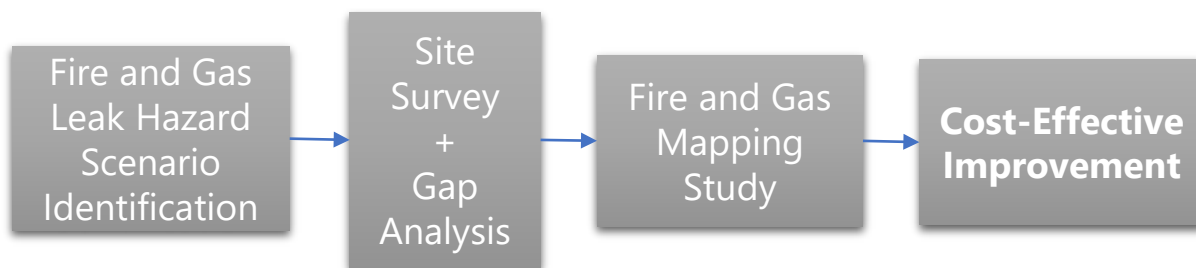
Fire and Gas Mapping Study Technology

# Fire and Gas Assessment

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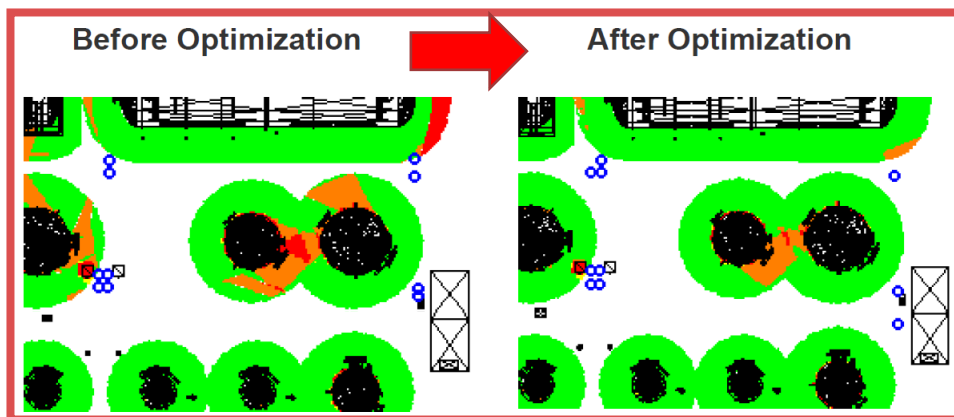


## Workflow & Result



### Mapping study

One of the method to analyze the effectiveness of fire and gas detector, 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 experiences of 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),

## Our Experiences

20+

Mapping Study

Fire and Gas Mapping Study  
Experience 20+ Study

500+

Cases

500+ Fire and Gas Design