



Operational Excellence Services

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

Fireproofing Assessment



Contact Us

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

Access to Our Homepage

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

Fireproofing Assessment

Do you have any of these issues?

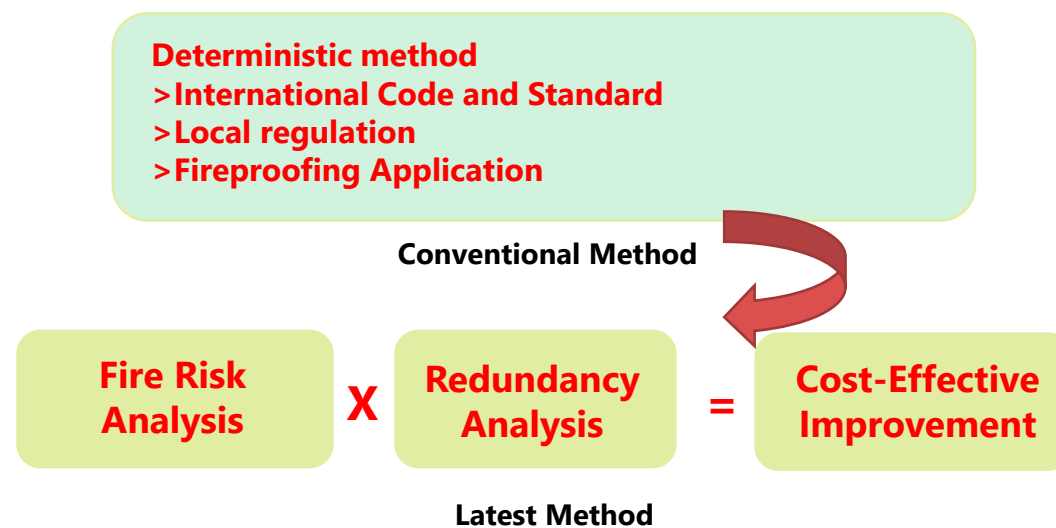
- ☹️ **Is Our Plant Really Safe from Fire Hazard?**
- ☹️ **High Maintenance Cost for Fireproofing**
- ☹️ **Compliance with Latest Standard?**

Fireproofing Assessment Solution

- Evaluation of existing fireproofing based on identified fire hazard and latest standard.
- Identification of critical fireproofing improvement points.
- Optimization of fireproofing by fire risk assessment and structural redundancy analysis.
- Recommendations of cost-effective improvement solutions.



Evaluation of existing Fireproofing

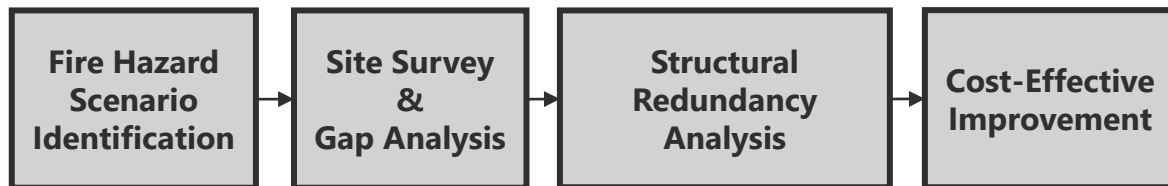


Fireproofing Assessment

[Return to
HSE menu](#)



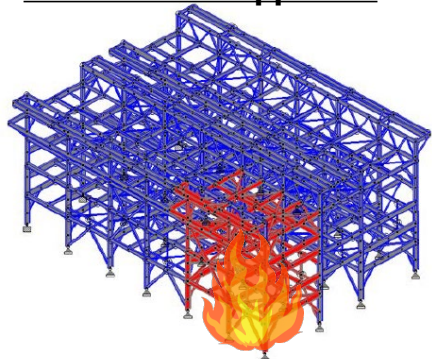
Workflow & Result



Structural Redundancy Analysis

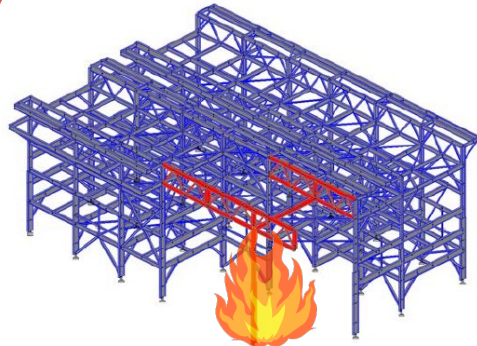
- **JGC original method to optimize fireproofing based on API RP 2FB**

Conventional Approach



Fireproofing on Red Structure
(All load bearing structure)

New Approach



Fireproofing on Red Structure Only
(Only critical structure for integrity)



Significant Reduction of Fireproofing / Justify the Available Fireproofing

Our Strengths

- Professional Fire Protection, Structure, Material and Analysis Teams
- Top global experiences of fireproofing 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.
- Strong relationships with global fireproofing material suppliers
- Analysis software – Phast, FLACS, STAAD.Pro, Abagus, etc.

Our Experiences

3 +

Plants

Fireproofing assessment service for 3+ plants.

500 +

Cases

500+ Fireproofing Design