

DIGITAL RISK, RELIABILITY AND INTEGRITY SOLUTIONS

FACILITY SITING DASHBOARD

Better visibility through interactive exploration

Evaluating fire, toxic and explosion hazard consequences is required by Process Safety Management regulations (OSHA 29 CFR 1910.119) to demonstrate worker protection. ABS Group helps industrial clients clearly understand their facility siting risks and quantify consequences using advanced modeling techniques.

As part of our suite of digital solutions, ABS Group's Facility Siting Dashboard presents results for risks and/or consequences of occupied buildings from hazardous release scenarios.

Moving beyond traditional facility siting studies and spreadsheets, our intuitive dashboard enables interactive exploration for improved understanding and management of this complex problem.

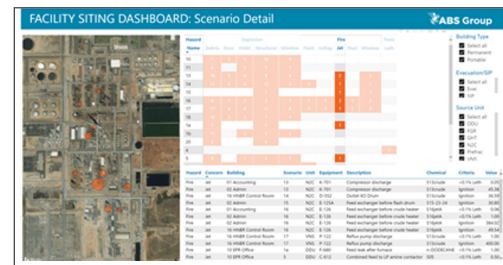
From a single site to your entire enterprise, this solution provides a practical tool to understand risks, prioritize mitigation activities and track implementation over time. Our flexible data model enables migration of legacy study results for visualization within the dashboard.

Analysis to Mitigation: Tailored Views for All Phases

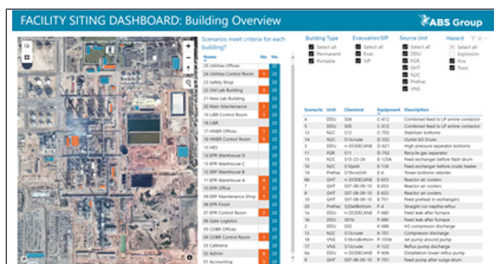
Key Performance Indicators



Scenario Details



Occupied Building Overview



Recommendation Tracking



Benefits

- Improved understanding of facility siting issues through intuitive and interactive results exploration
- Efficient identification of scenario and building concerns driving risks
- Consistent comparison of consequences and risks across units and sites
- Reduced reporting effort and improved enterprise visibility into site-specific risks and mitigation project status
- One stop shop for facility siting data and document management regardless of source
- KPIs and visuals customized to your needs
- Optimized investment by prioritizing and managing mitigation activities
- Understanding impact of mitigation by tracking costs and risk reduction over time

Features

- Dashboard: KPI tracking, Geospatial visualization of scenario and building results, and mitigation activity monitoring
- Efficient access to consequence and risk results (e.g., BDL, Blast load, heat flux)
- Study repository
- Mitigation project cost and schedule tracking
- Data supports compliance with API-752, API-753, API-756
- Designed for consequence and/or risk-based studies
- Flexibility to integrate data from: consequence/ QRA, sitewide/unit facility siting studies, CFD models, internal/external studies
- Integrated with enterprise PSM dashboards
- Implemented in your environment or hosted in the ABS Group cloud

