

IHS Site Screening Solution



The Source

for Critical Information and Insight™

A customisable, GIS-based decision support framework for rapid industrial site screening

The challenge of site selection

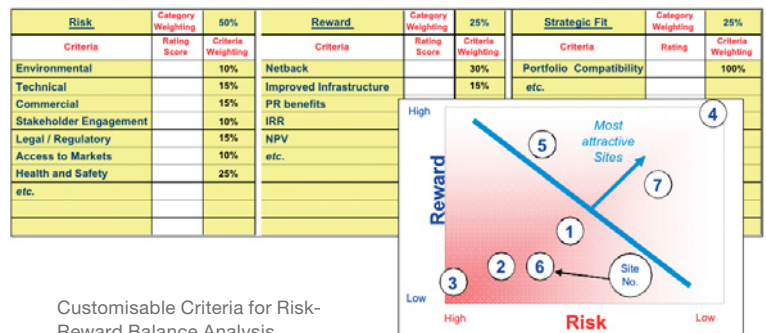
Optimal positioning of facilities on the energy infrastructure and market grid is one of the most critical factors for consideration when siting any industrial plant including LNG, power and petrochemical facilities.

Companies appraising potential site locations face a lengthy process of finding and integrating relevant information, and of developing a structured workflow providing consistency and clarity that is defensible against the scrutiny of executive management and project stakeholders.

Regulations are becoming tighter, stakeholder influence is strengthening and competition for the best sites is becoming more fierce. Streamlined data analysis and a detailed assessment of risk-reward balance for each opportunity are therefore becoming more crucial in mitigating against the longer project time-frames, greater expense and higher risk to corporate reputation that companies are increasingly facing in the site selection process.

Problems with the process include:

- Lack of relevant and quality data, especially spatial data with drill-down details for assessing energy supply, infrastructure and market risks
- Difficulty in comparing sites in a uniform manner



Customisable Criteria for Risk-Reward Balance Analysis

- Inability to carry out “what if” scenarios quickly and easily
- Poor knowledge management, data integration and analysis
- Lack of an audit trail

How the IHS Site Screening Solution can help

This unique solution arms your expert team with a one-stop, spatially-enabled database and risk-reward workflow to rapidly drive the decision-making process for the siting of major industrial facilities. Rating and ranking of potential sites against predetermined screening criteria enables rapid differentiation between alternative locations and the high-grading of candidate sites for further consideration.

Our unrivalled worldwide datasets include the following critical areas of information that can help you answer key decision-making questions involving:

- **Upstream assets**

Are new fields being brought online or existing ones in decline? Will the plant have to plan for alternative fuel in the future?

- **Midstream assets**

What is the fuel access to gas pipelines, storage and LNG facilities? Is there port access?

- **Market information**

What does the regional market look like?
What is the mix of industrial users versus residential and commercial? What and when are the new industrial plants becoming operational and how would that affect the local market for electricity?

- **Competition**

Where do competitors have existing facilities and future plans?

- **Environmental factors**

Where are the protected areas in a given region?

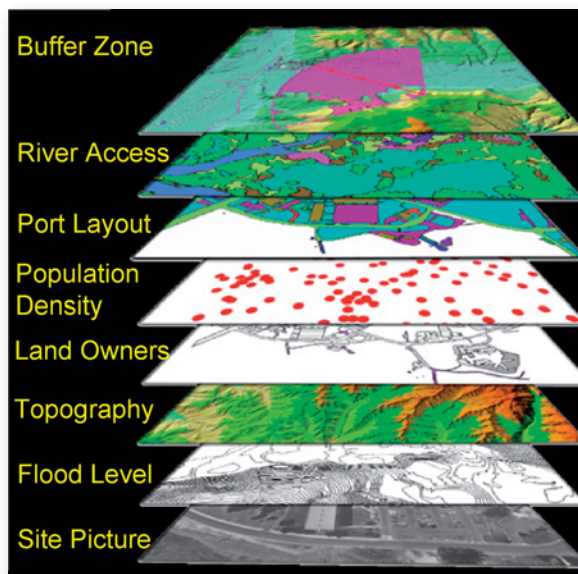
- **Regulatory compliance**

What laws apply to the siting of a new facility?
What's the legislation in relation to local participation?
What's the approval process and how long is it likely to take?

This unique solution facilitates the screening process for you, giving:

- A flexible, auditable and transparent approach to assessing risk-reward balance at multiple sites
- A GIS framework for integrating and accessing disparate data sources into a single viewing and analysis tool

- A unique ability to optimally locate energy facilities within the gas and power infrastructure
- A streamlined decision-support workflow enabling filtering of multiple potential sites down to a to few serious contenders
- Clarity of thought on determining key drivers underpinning opportunities and defining the best process to ensure the most robust decision is made



GIS Platform – Example of Spatial Layers that IHS can assemble to augment our proprietary energy datasets which are spatially enabled and constantly updated

The result of using the IHS Site Screening Solution is a quantified, qualified and ranked list of potential sites, with all accompanying attribute data and criteria-driven considerations delivered on an easily accessible GIS platform, providing a re-usable knowledge management framework for your company's future site selection challenges.



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+44 (0) 1666 501226 (U.K.)
sales@ihsenergy.com
www.ihs.com/energy