Use Case: Critical Infrastructure Protection

Detect security risks to an infrastructure ecosystem

The situation

Critical infrastructure powers businesses and nations alike – and is essential for business continuity, national security, and economic prosperity. Critical infrastructure is no longer defined solely as discrete, physical assets but also the cyber systems that power them. This cyber–physical convergence has elevated the security risk associated with critical industries ranging from transportation to energy to agriculture to healthcare.

Critical infrastructure is largely owned by private companies, but its protection demands a shared responsibility between the public and private sectors to minimize the risks. Infrastructure failures from acts of terror, extreme weather events, other natural disasters, and sophisticated cyber intrusions can disrupt delivery of essential services, damage property, and trigger other cascading events.

Our PAI solution

Constant situational awareness acts as an early warning system for those responsible for critical infrastructure environments to better anticipate vulnerabilities and mitigate risks.

What are current threats to our critical infrastructure?

Babel Street empowers teams with actionable insights to detect anomalies and security risks that may impact the integrity of critical infrastructure ecosystems.

Babel Street's analytics platform offers an AI-enabled cross-lingual, persistent search of thousands of global and regional publicly available information (PAI) sources in over 200 languages to rapidly discover and decipher insights on facilities or assets of interest. Machine learning algorithms constantly monitor for threats against physical assets and cyber systems. These insights are translated into your native language in seconds and organized in a single pane of glass for immediate analysis and collaboration across teams and agencies.

Business impact

Shared responsibility and constant awareness are the necessary countermeasures to maintain and secure a resilient critical infrastructure as well as to protect lives and property.

PAI DATA SOURCES	DATA STREAMS	FILTERS	KNOWLEDGE
• 50,000+ hyper local & global news sites • Billions of blogs • 50+ social media/ geographic specific sites • Dark web	• Entity and brand name variants • Products • Domains • Geolocation • Relevant user handles • Phones • Addresses • Emails	• Temporal • Keywords • Exclusions • Intent • Geo vernacular • Language • Regular expressions	• Situational awareness • Imminent threats • POIs & GOIs • NAIs • Loss prevention • Images/videos of interest • Breaking news • Compromised IP • Power outages • Subsequent customer sentiment • Damage assessment

BABEL STREET