Babel Street® text analytics in the GXP® Ecosystem

AI-powered text analytics with multi-INT data correlation to empower informed decision-making

Advancing beyond geospatial intelligence, the GXP® software ecosystem integrates Natural Language Processing (NLP) capabilities via Babel Street Analytics to uncover hidden insights in multilingual sources of text. Through advanced machine learning techniques, Babel Street Analytics automates the identification of key events, people, locations, and many other entities of interest. This enables users to match identities, analyze languages, extract and link information, and effectively address complex intelligence challenges.

Automated identification of essential text

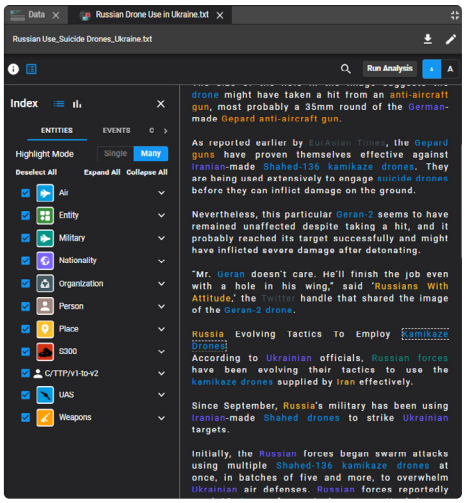
The identification of essential elements of textual information is a core feature of GXP's multi-INT platform. Leveraging Babel Street Analytics technology, GXP Fusion® software automatically converts high volumes of multilingual text inputs into structured data objects (who, what, when, where) that may be correlated with additional relevant data sources.

Correlation of structured text with multi-INT data

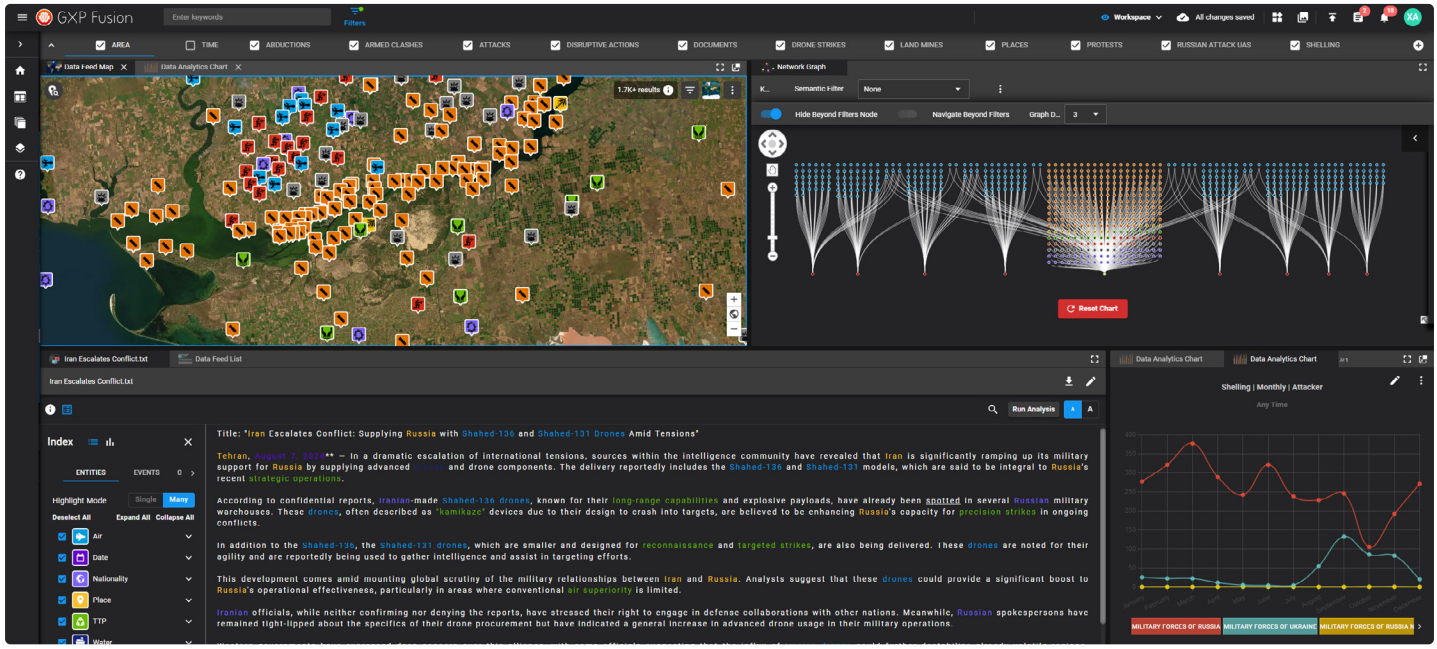
Through the fusion of imagery, text, and additional sources of data into a single, multi-perspective view, GXP Fusion delivers insightful and comprehensive intelligence, as well as enhanced situational awareness, to key decision makers.

Rapid and accurate results in any language

Leverage highly accurate matching and text analysis in a fraction of the time of other solutions in over 50+ languages. Babel Street's NLP solution recognizes the richness and variety of words and names in multiple languages and scripts, across a wide variety of distinct cultures.



Extracted text events in GXP Fusion enable rapid interrogation and analysis to discover mission-relevant observations within unstructured text.



GXP Fusion dashboard converting multilingual text inputs into structured data objects correlated with additional data sources.

Combining the NLP capabilities of Babel Street with the GXP Ecosystem enables:

Enhanced situational awareness

- Text alerts: Continuously analyze incoming textual data and generate real-time alerts based on predefined criteria such as mentions of critical entities or specific sentiment trends.
- Dynamic visualization: GXP Fusion illustrates the spatial and temporal context of observations on an interactive dashboard.

Advanced relationship mapping and predictive analysis

- Relationship mapping: Build detailed networks of connections, which are crucial for understanding adversary structures, behaviors, and relationships to other structured observations.
- Geospatial and temporal analysis: Overlay relationships onto geospatial maps and timelines, providing a visual representation of entity interaction over geography and time.
- Predictive analysis: Patterns detected in the textual data can be correlated with geospatial movements and activities visualized in GXP Fusion, helping to predict future events or actions based on historical data.

Comprehensive data integration and enrichment

- Babel Street Analytics and GXP Fusion: Together, they enable a comprehensive approach to data integration, combining textual and geospatial information for enriched and actionable structured observations.
- Unified data platform: The integration allows for the synthesis of various data types while providing a holistic view of the operational environment, to better analyze complex scenarios and inform decisions.

Babel Street Analytics offers flexible configuration to easily increase accuracy.

Babel Street Analytics recognizes the richness and variety of words and names across multiple languages, scripts, and cultures.

Scan to learn more or request a live demo of GXP software solutions!

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