LM WISDOM

LOCKHEED MARTIN
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LM WISDOM ™ – Customizable End-to-End Solution for
Web and Social Media Collection, Processing, Monitoring, and Analytics

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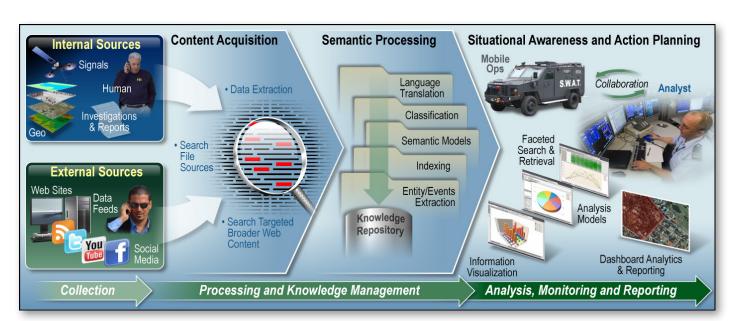703.466.3552
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The time gap between the occurrence of real world events and social media reporting of those events could be as low as few seconds.
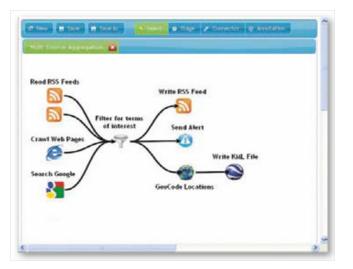
LM WISDOM™ is Lockheed Martin's operational and customizable state-of-the art Web and social media monitoring and analytics solution. It provides automated data collection, advanced processing and knowledge management, and analysis and monitoring capabilities. It supports tracking, event monitoring, correlation, aggregation, and indexing of massive multi-language data from the Internet, including RSS feeds, news and information sites, subscription content information sites, databases, Web sites, Twitter, Blogs, and social networking sites. **LM WISDOM™** can harvest and store this 'big data' whether it is structured, semi-structured, or unstructured data in a high-performance knowledge management framework.

Social Network Sites / Micro-Biogs / Blogsphere / Mainstream Media

Social Momentum Early Warnings: up to 2 weeks in advance of an event

Event Reporting

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Exploiting social media as an intelligence source requires high-performance collection and analysis algorithms that can rapidly distinguish between high-value information and noise among massive and rapidly changing content.

Internal Sources
Signals
Human
Investigations & Reports
Geo

Content Acquisition
• Data Extraction
• Search File Sources
• Search Targeted Broader Web Content

Semantic Processing
Language Translation
Classification
Semantic Models
Indexing
Entity/Events Extraction
Knowledge Repository

Situational Awareness and Action Planning
Mobile Ops
S.W.A.T.
Collaboration
Analyst
Faceted Search & Retrieval
Analysis Models
Information Visualization
Dashboard Analytics & Reporting

External Sources
Web Sites
Data Feeds
Social Media

Collection | Processing and Knowledge Management | Analysis, Monitoring and Reporting

LM WISDOM™ employs a "pipes and filters" architecture that allows dynamic association of processing, correlation, and filtering with the automated collection of data sources. The "pipes" are the processing steps and examples include entity extraction, complex event processing and correlation. The "filters" provide ingest transformation and data reduction. With the intuitive user interface, users can activate or add new custom plug-ins such as video and audio streams for ingestion and storage with their extracted metadata.

Read RSS Feeds
Crawl Web Pages
Search Google
Filter for terms of interest
Write RSS Feed
Send Alert
Write KML File
GeoCode Locations

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LM WISDOM™ supports trend and pattern analysis and visualization of the following:

• Topics, messages, people, organizations, and locations of interest to populations

• The positive and negative tones surrounding those topics, people, locations, and organizations

• The propagation of information among Web communities and a quantitative scale for ranking the most authoritative and influential authors and sources

With automated analytic processing, the user is able to quickly track and trend any sentiment anomalies or trends among large data sets to decipher indicators of increasing or decreasing instability and public dissatisfaction with leaderships, organizations, individuals, or events. Each of these analytic capabilities form the basis for model forecasting of instability.

A recent exercise using Lockheed Martin WISDOM resulted in the creation of high quality analytical reports within a 72 hour timeframe on these subjects:

• Drug Trafficking
• Organized Crime
• Gang Violence/Activity
• Weapons Trafficking
• Human Trafficking

Customer benchmarking has shown 20X analyst-time improvement over using standard web search techniques.

LM WISDOM™ supports a range of scalable delivery and pricing options that best meet customer needs. Our product can be accessed via a secure web connection or installed on customer specified hardware and is designed to support users ranging from single or small user groups to large enterprise organizations. We provide various levels of capability such as customized web indices and various levels of trending, monitoring and analytics. We also provide our analyst expertise in supporting customers in developing highly trained, custom taxonomies in order to tailor the processing of the system as well as software development and analytic methodology development. We provide operations and analyst support as well as user training.