



# Zenith MMS

## Media Monitoring and Open Source Intelligence Platform



## REAL-TIME, MULTI-LANGUAGE, BROADCAST & OPEN SOURCE MONITORING

Zenith MMS is a highly scalable, highly secure Media Monitoring and Open Source Intelligence (OSINT) Platform for the ingestion, analysis, understanding and management of massive volumes of Broadcast and Open Source information in multiple languages. The system enables the real-time monitoring of the full range of digital content including video, audio, images, and text from a myriad of sources including broadcast TV and Social Media platforms.



## ACTIONABLE INTELLIGENCE – FROM REAL TIME VIDEO, AUDIO, TEXT – LANGUAGE AGNOSTIC

- › Connect to thousands of online and broadcast information sources.
- › Extract meaningful information automatically in real-time.
- › Support multiple languages for speech to text and translation.
- › Analyse sentiment across multiple languages.
- › Identify relationships between people, places and organisations.
- › Integrated translation management tools and reporting.
- › Extensive functions to navigate, search and retrieve data.
- › Advanced visualization tools to gain rapid understanding of massive amounts of content.
- › Integrated workflows and task distribution engine.



## WHY ZENITH MMS?

As the sources and volume of digital information continue to grow exponentially, governments are looking to deploy tools that enable them to make sense of, and analyse, broadcast media and open source information for national interest and homeland security purposes.

Monitoring multiple broadcast TV and Radio sources, in multiple languages, can enable a deeper understanding of international views and emerging events. Social media sources and websites provide real-time insight into public opinion and emerging conversations that may not be discussed in mainstream media.

The Zenith MMS system has been built based on Zenith's decade of experience in the government sector, developed specifically for the unique requirements of government agencies operating with a local, regional or global view, by integrating broadcast and digital information into a single platform, and thus providing a single interface into for your information sources.

The system incorporates advanced workflows for managers, analysts, and translators based on industry best practices. With a customizable User Interface, users can configure their workspace based on their role and requirements.

Deployed on-premise using standard IT hardware, built to scale easily, provide high reliability and security, high speed processing and retrieval, with a web-based private-cloud access model, the Zenith MMS platform has been built to meet the most challenging demands.

# DATA-DRIVEN DECISIONS – UNDERSTAND ALL FORMS OF INFORMATION INCLUDING TEXT, AUDIO, VIDEO, AND IMAGES.

The screenshot displays the Zenith MMS web application interface. At the top, there is a navigation bar with icons for Dashboard, Search, Analytics, Notifications, and a SYSTEM Log Out button. Below the navigation bar is a search bar with the text "Search" and a magnifying glass icon. The main content area shows search results for the query "من اين باتي تمويل تنظيم الدولة?". The results are displayed in a list format, with each entry including a thumbnail image, a source name, and a brief text snippet. The first result is from Aljazeera, dated "about 4 year ago", and discusses the funding of the Islamic State. The second result is from CNN, dated "2 months ago", and discusses the arrest of a former CNN correspondent. The third result is from FoxNews, dated "6 months ago", and discusses Bill Murray's lifestyle line. The interface also includes a sidebar with filters for Language, Broadcast Time, and Source, and a search bar with a "Search" button.

## BROADCAST MEDIA

Monitor TV and Radio across multiple languages, automatically in real-time from hundreds of sources. Highly scalable with real-time and historical playback, advanced search and editing tools including real-time transcription and translation, speaker and face recognition and easy file exporting and annotation, the Zenith MMS provides a full Media Monitoring solution.

- > Real-time speech to text transcription in multiple languages.
- > Translation from source language into multiple languages.
- > Face recognition, gender and speaker identification.
- > On-screen text recognition and extraction.
- > Automatic key frame generation.

Dashboard Search Analytics Notifications Log Out

Channels Transcript Clips Translation Speakers OCR Logos Related

Sync

31 Jul 11:22:49

EDIT

exports in the German market in particular ... focus on Germany ... not on Italy I have more confidence in the German banking system ... doing Italian banking system among ... Gay Meadow will talk more about that as the week goes on with the ECB meeting on Thursday you thank you very much ... heartland messing around a little bit longer here on the Maes ... at Next ... fifteen is the magic number for Argentina ... at fifteen billion US dollar bond sale ... after fifteen years ... locked out of the credit markets ... and with the race even ... embracing this fifteen graves ... below triple ... ^ They show very much brought

11:23:19

## Twitter Trends

Trends from United Arab Emirates

وش عندك فويا منه  
صلاه الاستسقاء



## Top Tweeters

## SOCIAL MEDIA, BLOGS AND WEBSITES

Integrated into a broad range of social media platforms for immediate content ingestion and analysis, the Zenith MMS provides the high velocity, high volume power required to understand these real-time content sources, and identify emerging events and trends immediately. With the addition of real-time monitoring of websites and blogs, the full range of content sources can be monitored and analyzed at the macro and micro levels.

Highly detailed filtering allows for analysis right down to individual content types and content providers, right up to country and language levels to fully understand what is occurring, or for historical analysis purposes.



قول حاجه بخاطرك  
ساكتب علي جدار العاشقين  
#TheBest  
FIFA  
العمر الحلو  
محمد بن راشد  
قانون الاصحاب  
Dubai Health Forum  
Manchester City  
منتدى دبي الصحي  
#GoldenGlobes

Dubai Informer

5	92	1	1
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Dubai Informer

422	128965	5241	8
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@EmiratesHashTgs أخبار الإمارات

110400	413	83	487	1
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@akhbardubai أخبار دبي

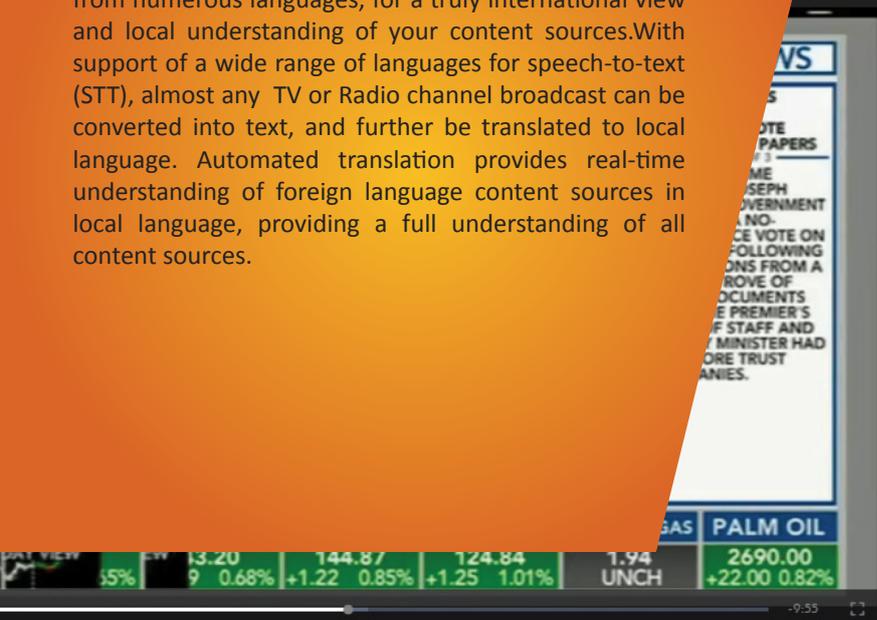
8799	254	22396	5566	3539
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@poiujklprl DfdfrPoiuy67top

18138	195	44	110	0
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### AUTOMATED SPEECH TO TEXT AND TRANSLATION

Instantly convert audio to text and translate content from numerous languages, for a truly international view and local understanding of your content sources. With support of a wide range of languages for speech-to-text (STT), almost any TV or Radio channel broadcast can be converted into text, and further be translated to local language. Automated translation provides real-time understanding of foreign language content sources in local language, providing a full understanding of all content sources.



proved quite

Channels Transcript Clips Translation Speakers OCR Logos Related

Sync

31 Jul

11:21:19

EDIT

... but what were you expecting for due to ... um **expecting markets** improved quite significantly worse **expecting to see revenues** actually pick up from a very ... low ... most base level ... though **expectancy** trading volumes increased quite significantly

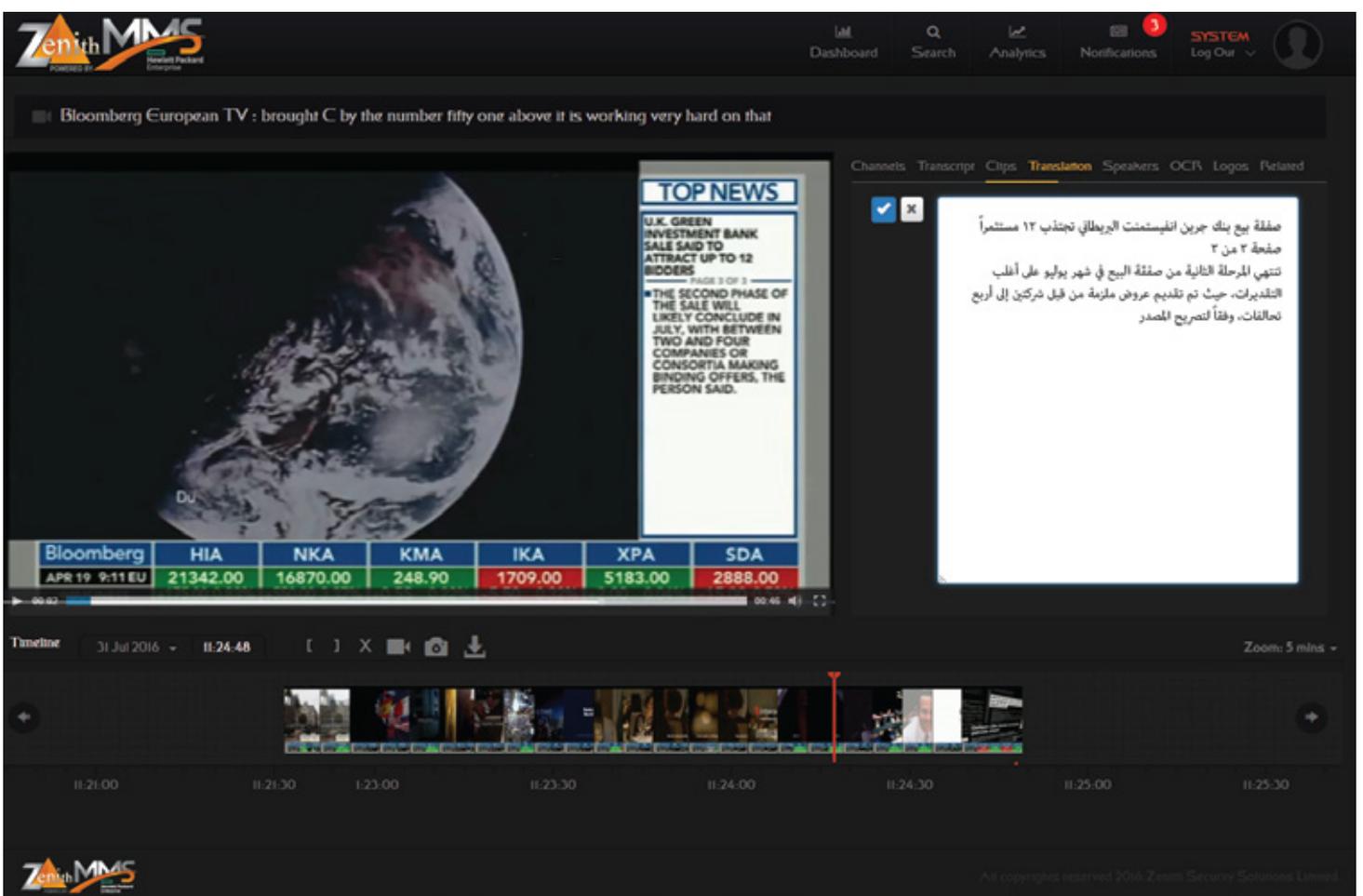
I think the market still brush yourself down from all the events of January and how difficult they were ... a remember China is starting to stabilize the stock and see recall numbers come out of China ... stable GDP growth ... this is all encouraging ... and that the dollar ... as it starts to weaken

Will be very positive for emerging markets and commodities which will also support global growth story

11:21:55

### CUSTOMIZABLE WORKFLOWS AND TRANSLATION OPTIMIZATION TOOLS

The Zenith MMS solution incorporates advanced workflows for managers, analysts and monitors based on industry best practices. With a customizable user interface, each users can configure their workspaces based on their roles and requirements ensuring ease of use. Deeply integrated translation optimization provides the option to improve translations and embed them in the system or to export into finished reports.



Bloomberg European TV : brought C by the number fifty one above it is working very hard on that

**TOP NEWS**  
 U.K. GREEN INVESTMENT BANK SALE SAID TO ATTRACT UP TO 12 BIDDERS  
 PAGE 3 OF 3  
 THE SECOND PHASE OF THE SALE WILL LIKELY CONCLUDE IN JULY, WITH BETWEEN TWO AND FOUR COMPANIES OR CONSORTIA MAKING BINDING OFFERS, THE PERSON SAID.

صفحة بيع بنك جرين انفيستمنت البريطاني تجذب 12 مستثمراً  
 صفحة 3 من 3  
 تنتهي المرحلة الثانية من صفقة البيع في شهر يوليو على أغلب التقديرات، حيث تم تقديم عروض ملزمة من قبل شركتين إلى أربع تحالفات، وفقاً لتصريح المصدر

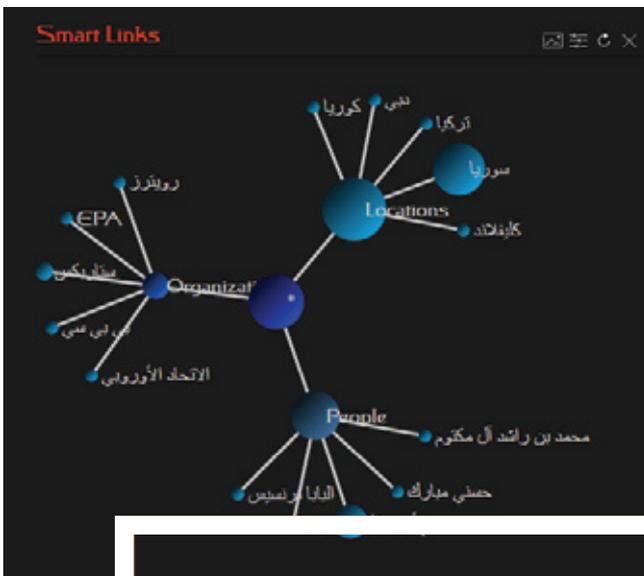
Bloomberg	HIA	NKA	KMA	IKA	XPA	SDA
APR 19 9:11 EU	21342.00	16870.00	248.90	1709.00	5183.00	2888.00

Timeline 31 Jul 2016 11:24:48 Zoom: 5 mins

## ADVANCED SEARCH FUNCTIONS

Search across your entire data repository, in an instant using advanced search tools and parameters, enabling you to understand the big picture or find the granular details. With a focus on speed of retrieval and accuracy of results, you can find what you need, when you need it.

- > Create search agents to monitor key searches and provide real-time and historical information.
- > Multiple search parameters including language, location, data source, time, named entities, etc...
- > Automatic query guidance and keyword search.
- > Search across multiple languages and spellings using integrated multi-language libraries.
- > Automatically extract relevant entities, names, locations and organisations.



## DASHBOARDS AND VISUALIZATION

Providing a full range of dashboard features and data visualization tools, you can monitor data sources as they are ingested and quickly identify important events and subjects for further analysis and reporting. Immediately analyse the entire content repository across video, audio and text and multiple languages to enable historical analyses and rapid report generation. With a highly customizable web-based interface, users can design their workspaces to meet their specific requirements.

**CONCEPTUAL AND CONTEXTUAL  
UNDERSTANDING OF YOUR INFORMATION**

## SCALABILITY & ARCHITECTURE

Developed using the latest technologies, the Zenith MMS is highly modular, scalable and robust. The system automatically distributes load across the system, optimizes storage and retrieval and can be expanded linearly through the easy addition of hardware, ensuring operational requirements are not compromised. Disaster recovery and back-up processes are automated and comply with the requirements of your IT department.

- > Distributed architecture supports environments from a few servers to thousands.
- > Both horizontal (scale-out) and vertical (scale-up) are possible with full support for virtualization.
- > Scale quickly through integrated software deployment tools – without compromising performance.
- > Supports petabytes of storage - often required for video.
- > Designed for high-speed ingestion, processing and retrieval.

**ACCESS THE RIGHT  
INFORMATION AT  
THE RIGHT TIME**

## A TOTAL INTEGRATED SYSTEM FOR GOVERNMENT AGENCIES

Providing a single platform for all video, audio, and text open source content types, the Zenith MMS is the first fully-integrated on-premise system that provides a comprehensive ingestion, analysis, optimization, and reporting capability for government agencies. With Zenith's in-house development capability and focus on the government sector, the Zenith MMS platform provides a solution for agencies' current requirements, while enabling direct engagement for customization and organization specific workflows and content ingestion in the future.

Leveraging close to a decade of experience developing and deploying Media Monitoring systems, Zenith provides consulting and expertise to ensure your requirements are fully understood and delivered.



Founded in Melbourne, Australia and with a dual focus on Australasia and the Middle East region, Zenith works with governments, law enforcement agencies and private clients to integrate their security and Big Data requirements into meaningful solutions to enable advanced situational awareness, management, and response capability.



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Zenith partners with SDL, the global innovator in translation technology. Zenith is SDL's Regional Competence Center for Safe City and Public Sector Security for the Middle East and Africa.

