

Dieses PDF enthält Darstellungen zu den Produkten Cerebro und Alpha Max aus einem Präsentations-Dokument von 2016. Zusammengefügt von WOZ – Die Wochenzeitung.

▪ Cerebro is a unique solution to **monitor and analyze in real time communications on very high data rate networks** designed to perform predictive analysis through machine learning.

▪ Cerebro is able to interact with several probes, including SMS, GSM calls, billing data, emails, voice over IP, webmail, chat sessions, social networks...can be interfaced with all types of existing data bases

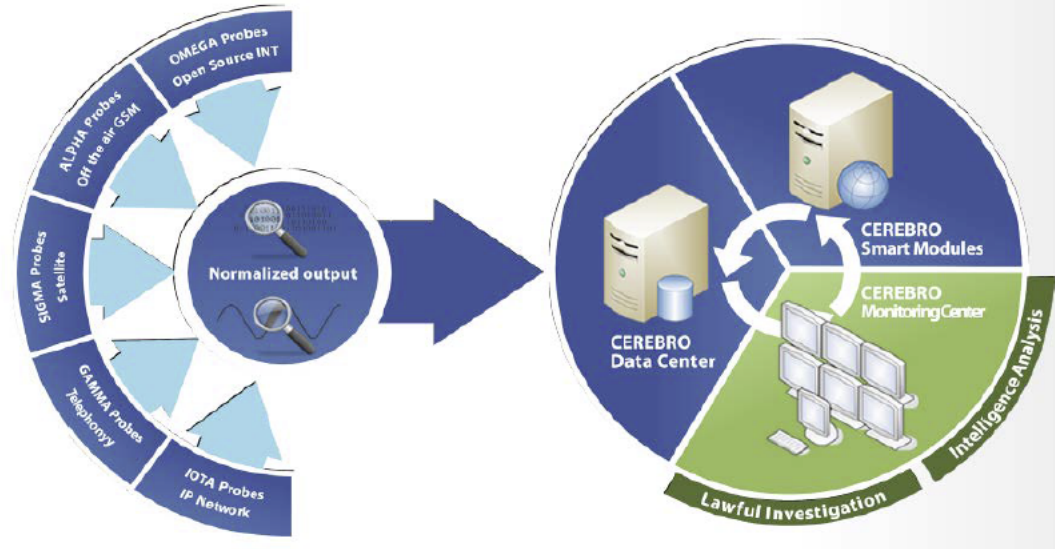
▪ With the Cerebro system, Law Enforcement Agencies can perform two different types of data analysis :

- ✓ Enter the targeting criteria for a live surveillance of suspects
- ✓ Analyze metadata to understand relationship and behavior of suspected people, or go back in the past to find relevant information in several billions of recorded conversations

▪ Nexa Group is owning 100% of source code and intellectual property rights of Cerebro.

The Group is positioned among the Top 4 worldwide for massive IP interception and big data analysis.

Main competitors include ETI (BAE Systems, UK), VERINT, TROVICOR, CLEARTRAIL, RAYTHEON...



Communication analysis

- ✓ Ergonomic graphical interface
- ✓ At any time, investigators can follow live the activity of their target with advanced targeting criteria

Search in the past

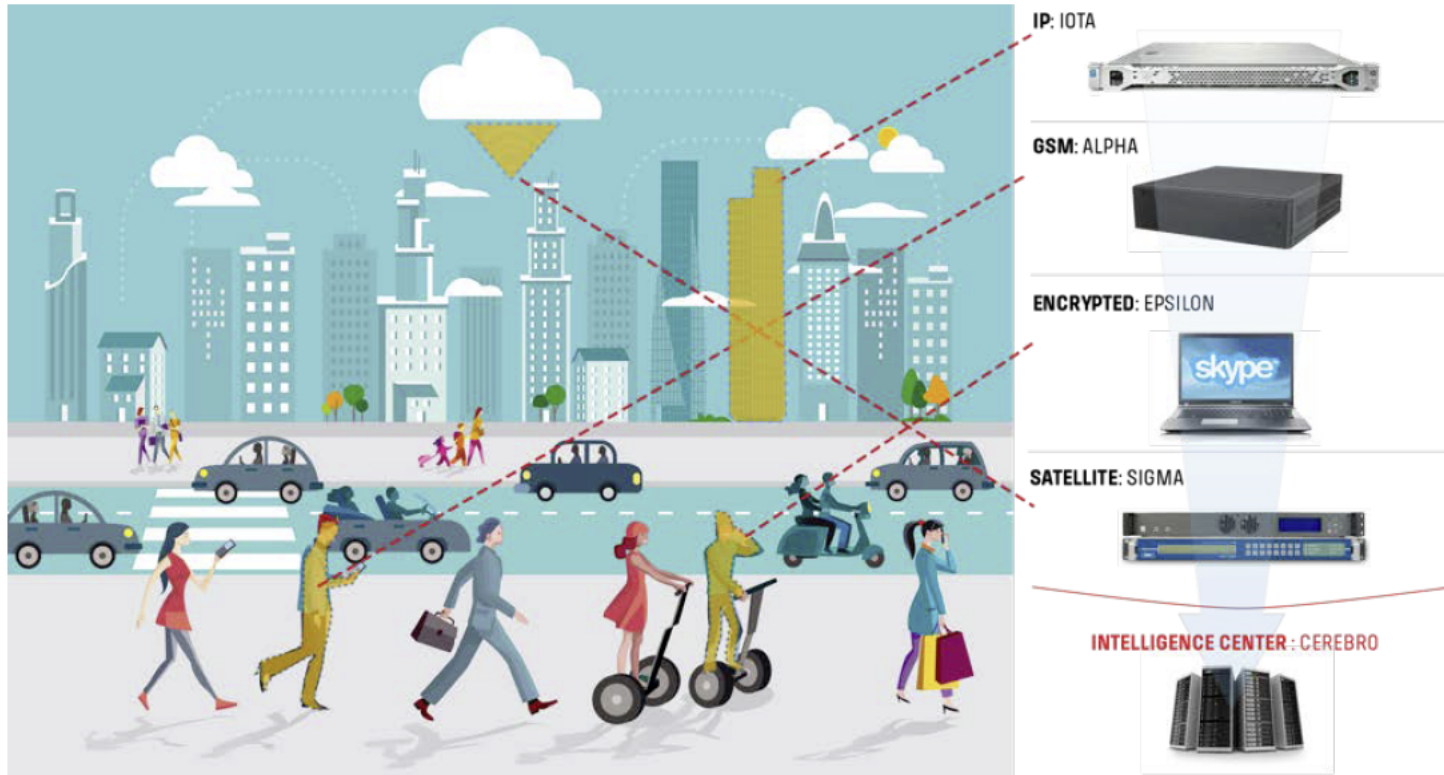
- ✓ Designed to store several tens of billions of records (metadata, communication contents)
- ✓ Research can also be improved with a Google-like approach (semantic, faceted search...)

Smart modules

- ✓ Wide range of smart advanced modules help analysis : voice to text transcription, automatic translation, geolocation of calls, topic spotting...

- The product portfolio is composed of several sensors covering **acquisition and analysis of data from any civilian ways of communication** (Cellular, Internet, Satellite, etc.)
- **Data fusion of any COMINT sources into one single Intelligence Center:** CEREBRO capable of finding the needle in the haystack

➡ **Nexa Group is an expert in big data analytics, managing and analyzing tens of billions of records**



- Nexa Technologies sells 3 types of GSM Tactical interception systems. We also provide capacity to integrate it in cars for field operations.

- **IMSI Catcher:** Simulate a fake GSM Base Station in order to identify, detect and locate all mobiles around you. Works in 2G, 3G and 4G.

- **Passive Interception system:** Just listen to all the GSM signals around and decrypt it. Gives access to SMS and voice call content. Working in 2G and 2.5G

- **3G /4G Tactical Interception system:** Unique in the world, 3G-native, interception system to get access to SMS, Calls and Data connection from targeted mobiles around.



The Group has a co-ownership of a worldwide unique solution for 3G & 4G tactical interception.

This is one of the most requested functionality from intelligence agencies all over the world.

Big data analytics & Real time correlation expertise

- With more than 10 years of expertise, Nexa Technologies has built its own IP probe to collect and analyze events and communication from any Internet network

- **Capacity to install and deliver nationwide systems.** The IP Probe is able to handle up to 100 Gbps in a 9U server unit and is linearly scalable to cope with any request.

- **Extraction of extended metadata.** Large-scale metadata and event extraction to gain knowledge about target habits and behavior. Ability to reconstruct network and links between people

- **Reconstruction of non-encrypted communication content.** Semantic engine available in more than 120 languages to automatically analyze all communication content.

- Specific expertise in cryptanalysis and reverse-engineer to **extract valuable and actionable data from well-known encrypted apps** (Skype, Telegram, Viber, Twitter, etc.)

