

From Lawful to Massive Interception:

Aggregation of sources

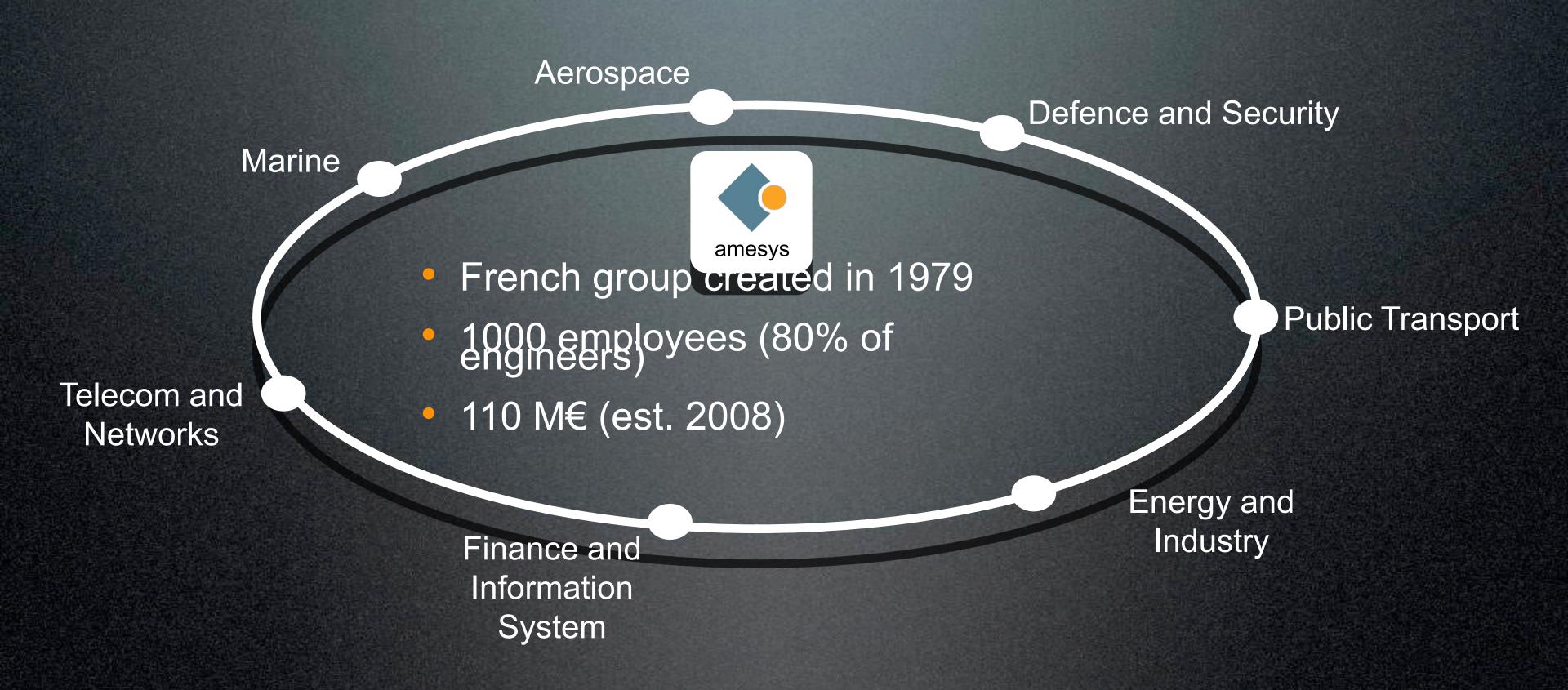
Agenda

- Introduction
- amesys Company
- Lawful vs Massive
- A centralized point of view
- Range of Products
- Conclusion

Objectives

- Increasing need of high-level intelligence in the constant struggle against criminals and terrorism.
- Reduce crime levels.
- Protect from terrorism threats.
- Identify new incoming security danger

Organisation



Location

- Headquarter in Paris
- Main office in Aix en Provence
- 9 agencies
- (Toulouse, Sophia Antipolis Paris, Bordeaux, Montpellier) so Cargis,
- 4 agencies abroad (Meracca) Luxembourg, Germany,
- An international network of agents in 35 countries



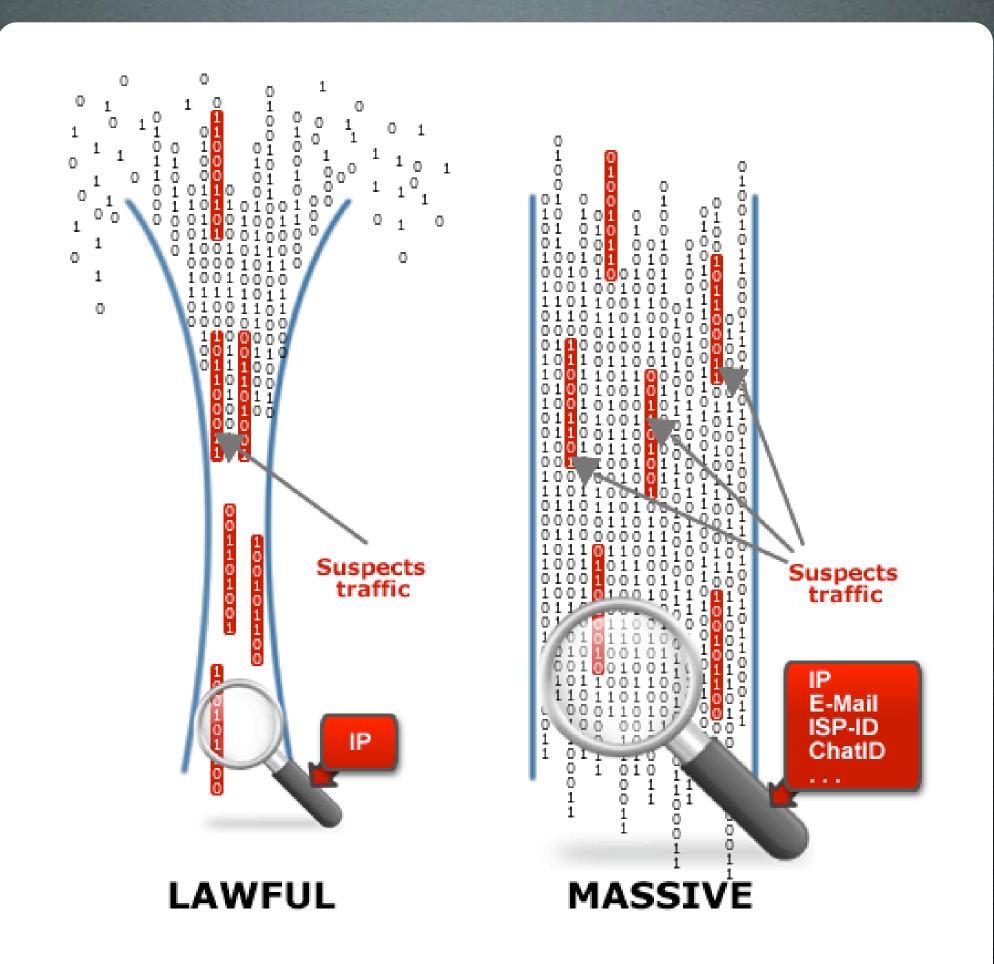
Lawful vs Massive

Observations

Numerous countries are installing Lawful IP interception systems

 Fundamental differences between Lawful system and Massive system

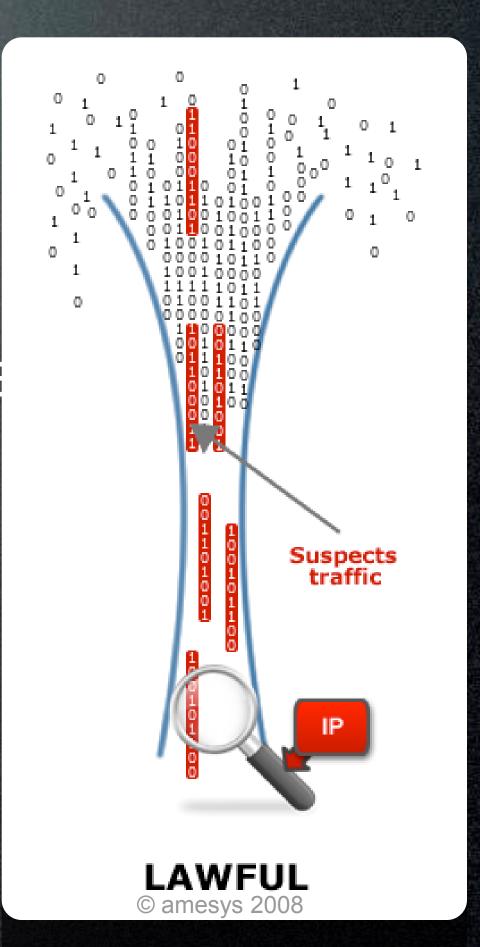
Lawful vs Massive







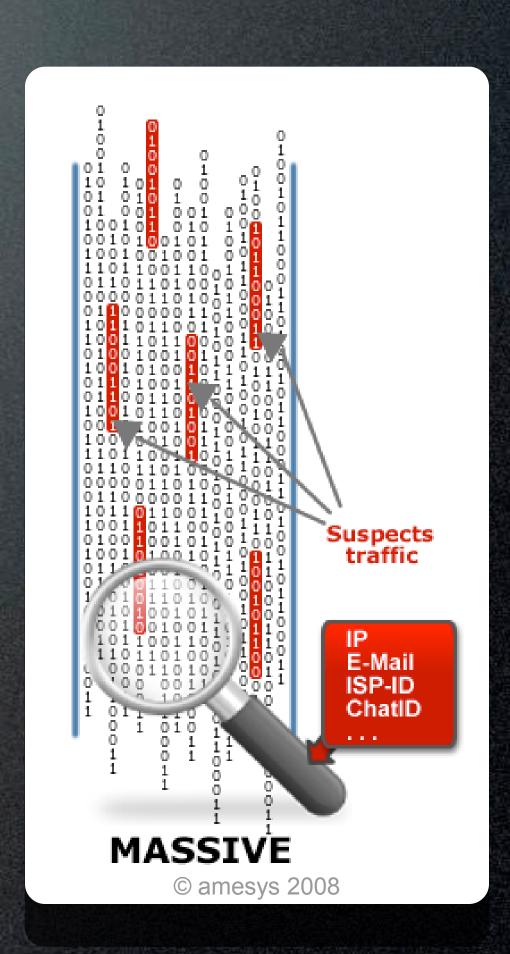
- Lawful interception :
 - Basic filtering on IP address
 - Extracts some communications from the global flow
 - Analyze only these communications
 - Only work on predefined targets
 - All the rest will be permanently lost







- Massive interception :
 - Advanced filtering tools :
 - email address, phone number, ISP account identifier, ...
 - Analyze all the communications of the link
 - Archive of all Internet traffic Smart search engine to recover communications in the past
 - All the communications are store in the system
 amesys Prague ISS World Europe 2008





From Lawful to Massive Interception: Aggregation of sources.

- Massive advantages
 - Global search and surveillance of all internet traffic
 - Define current target based on Internet classical identifiers
 - Search a huge one-year archive
 - Keep an eye on all the traffic of the network
 - Have a global synthesized view



From Lawful to Massive Interception: Aggregation of sources.

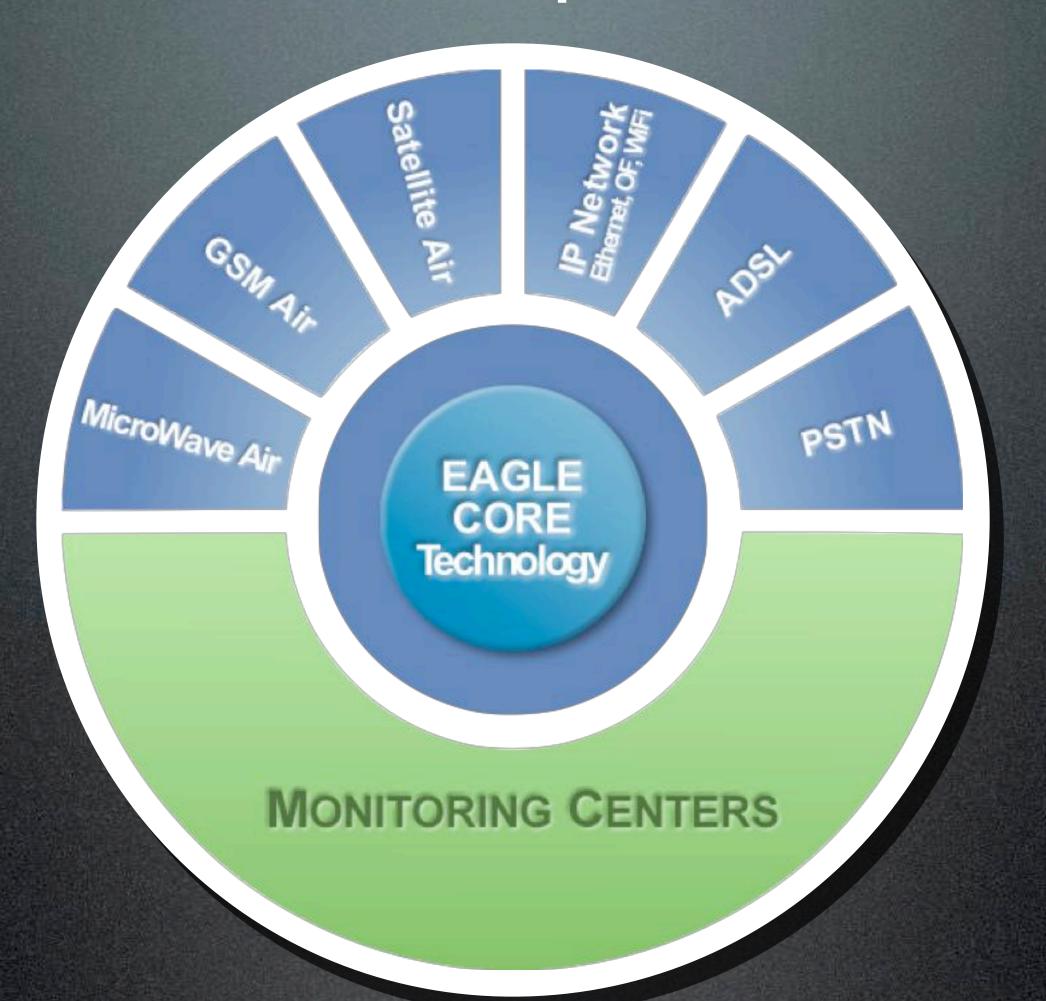
Features	Lawful Interception	Massive Intelligence
Recording target's communications	OK	OK
Social Network for targets	OK	OK
Search in the past for newly identified targets		OK
Identification of new potential suspects		OK
Discovery of new targets on :Key wordsKey topicsSocial network		OK OK OK
Information synthesizer and production of top-level intelligence		OK
Creation of Intelligence Notes for the Authority	-	OK
Full country traffic monitoring		OK
Behavioural analysis of data flow		OK
Localization		OK
Multi captor System		OK

A central point of view

amesys provides a centralized point of view

- Main objective :
 Aggregate different sources of information
- Every one has access to different supports of communication :
 - GSM
 - Analogical phones
 - IP Network
 - Microwave links
 - Satellite

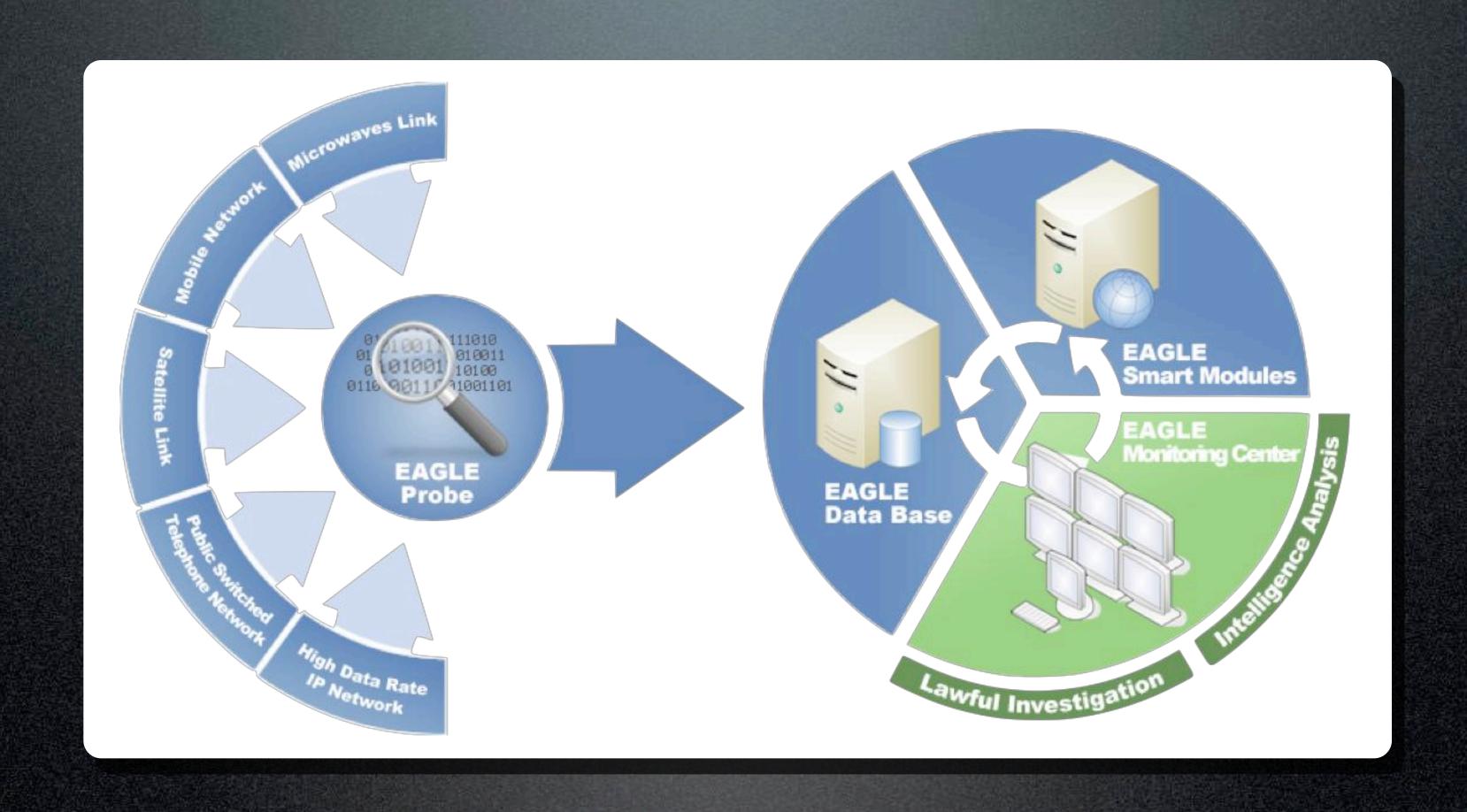
A centralized point of view



A centralized point of view

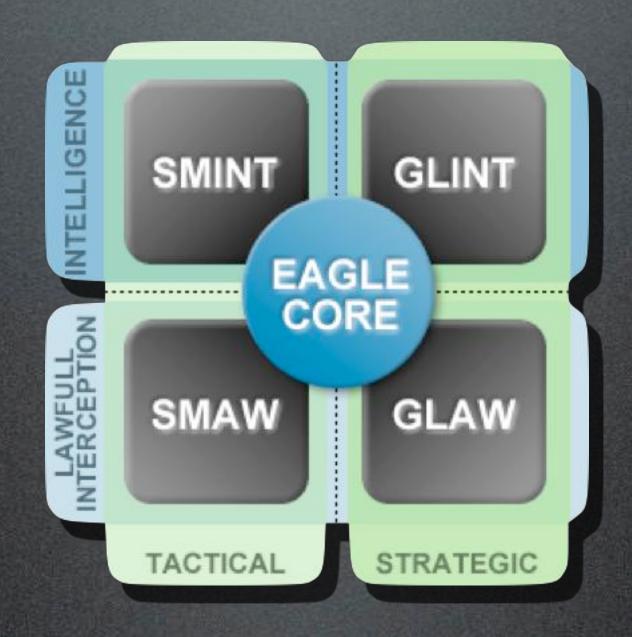
- amesys answers to the need in each of these fields.
- Huge range of sensors and analyzing probes.
- Centralized intelligence system gathering all information.

A centralized point of view

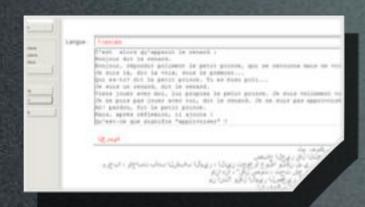


Range of Products

 amesys is able to deliver products for Lawful or Massive interception and to provide solutions for Strategic as well as Tactical needs:

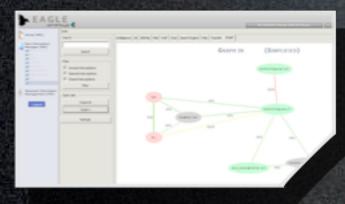


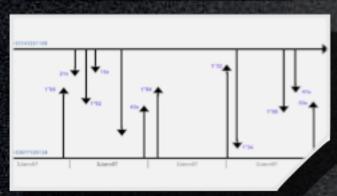
Smart external modules





Cosmetics companies have greatly reduced animal tertest the safety of a new ingredient, said John Bail Personal Care Products Council, an industry group. Alternatives to animal tests include synthetic sain simulations. But in vitro products show the most profast and easy to manipulate, said Dr. Alan Goldberg Alternatives to Animal Testing at Johns Hopkins Uni-"There's no question that it's the strategy of the Bailey agrees that in witro chips hold the most p





LANGUAGE RECOGNITION & TRANSLATION

VOICE TO TEXT – AUTOMATIC TRANSCRIPTION

SEMANTIC ANALYSIS & TOPIC CLASSIFICATION

SOCIAL NETWORKS

TIME LINE

Conclusion

•To be able to dispose of all information, amesys will provide sensors, probes and centralized system agglomerating all type of information.

•To be productive with it, amesys will integrate the latest technological modules in the most efficient human flowchart.

