



# Advanced German Technology Forensic Lab

## KSA



- AGT-Company Brief
- overview Interception Solutions
- **Digital Forensics Labs: way to prevent Terrorism**
  - the Problem!
  - WHAT: What is it?
  - HOW: how should be done?
  - WHO: who?
  - WHY: Why this Team? Why AGT?
- **Questions/ Open Discussion**



## Consulting, System Integrations, Training outsourcing services

### Encryption



### Data & Voice

### Interception



### Telecom & IP

### Digital Forensics



### Turn-key solutions

### Training Professional services



### Security services

Know-How transfer & State-Of-The-Art Global Technologies



## Company Brief: Background Information

### ADVANCED GERMAN TECHNOLOGY...

- Was founded more than decade ago
- Is a privately owned company
- European headquarter in Germany
- Provides localized operations with international expertise
- MENA Regional office in – Dubai



- **Cutting Edge Technology Provider**

AGT does the job for its clients:

we are close to the market in Europe and constantly build up the necessary know-how to deliver excellent (IT-)security solutions to our clients.



- **Turn-Key Projects**

We provide a full-service along the process chain. We analyze our clients' needs, we provide robust concepts, we choose the right partners, we manage the implementation projects, train our customers, and maintain the solutions.



- **System Integration House**

We have in-house know-how to integrate the solutions provided by different suppliers in order to fulfill our clients' requirements. We act as a catalyst and filter, hereby offering our customers a one-stop-shopping solution for all security related projects.



## AGT : Projects and Clients

- 1999 AGT first project in ME.
- More than 22 satisfied Law enforcement Agencies
- Top 5 Central Banks around the Region
- Top 5 Telecom companies
- Top 3 Oil and Gas company in ME and GCC
- 3 from Big 4 Auditing Firms in the region
- 3 Lawful interceptions Projects MENA
- First Root CA based on German PKI in the Region 2007
- First Digital Forensic Lab 2005 in the ME
- First Digital Forensic Lab 2007 in the GCC
- Consulting on the First tier 4 Datacenter in GCC

## A Company Brief: AGT at Glance

**AGT : Anas Chbib**

**Cologne Uni - Germany : Business admin and computer science**

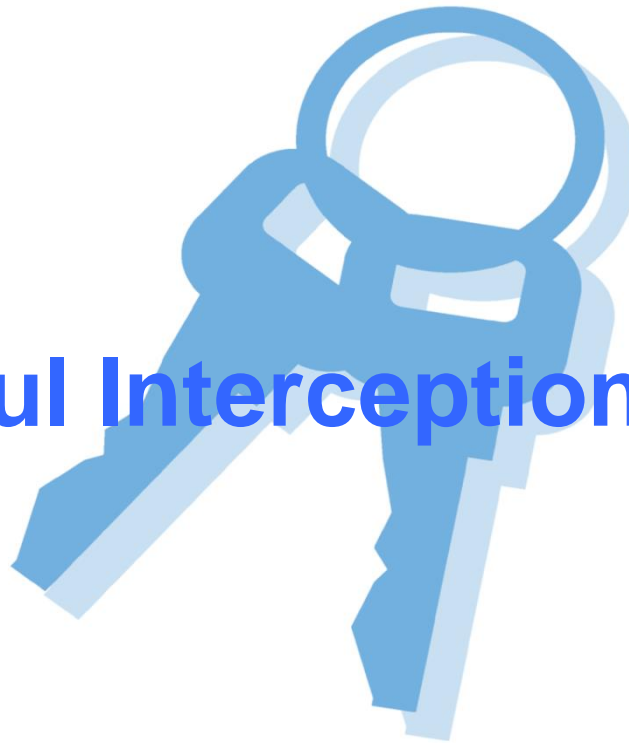
- LH consulting
- Deutsche Bank, Dresdner Bank
- Part of the team dev. First XML Browser for Defense company supplier in Germany
- German Railways (Deutsche Bahn) Systems
- PM of ROOT CA PKI in EYG First in the region.
- Security adviser to three MOI for Nat. Security projects.
- Set Strategy for the first Forensic Labs in the Region.



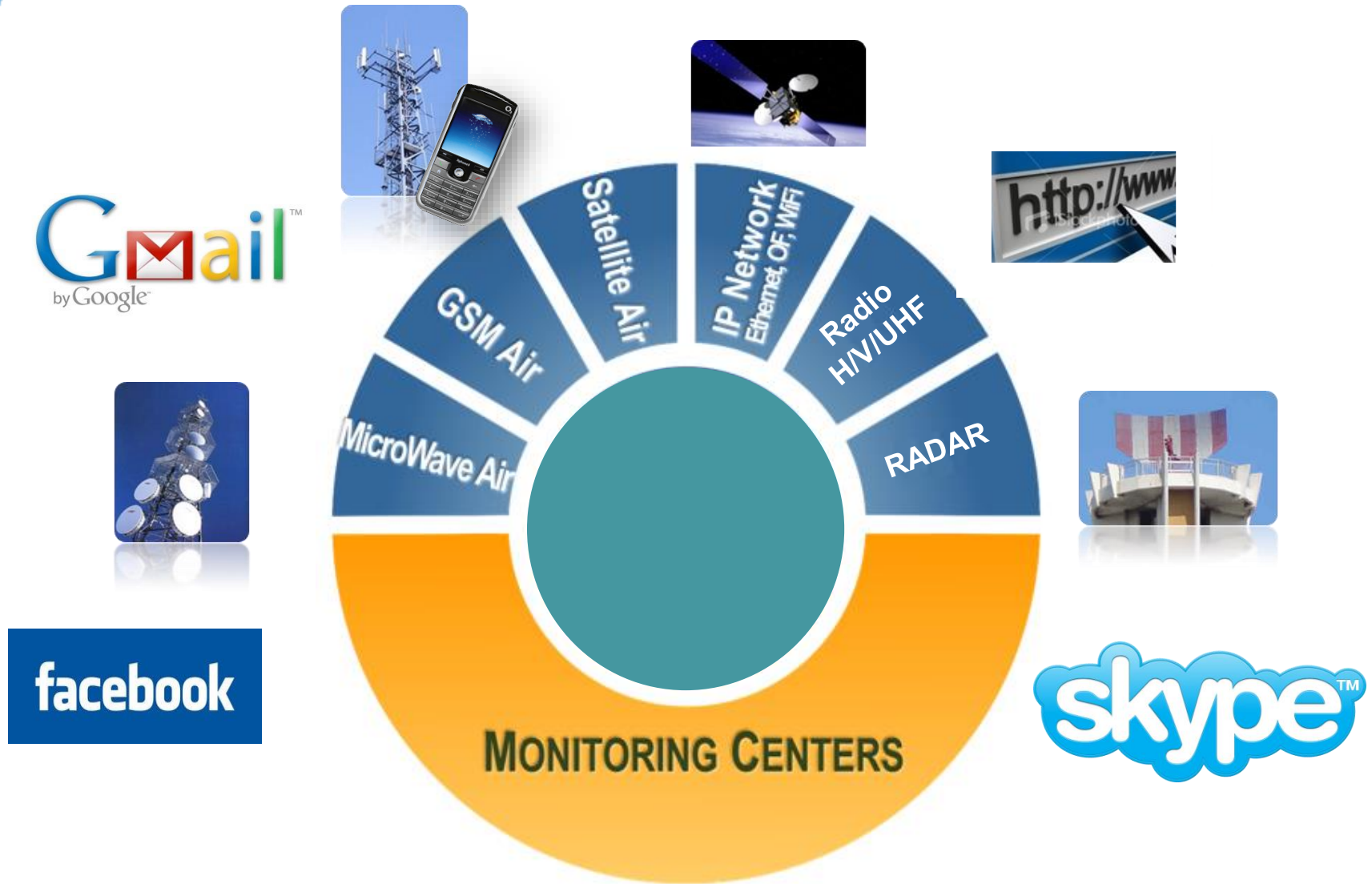




# Lawful Interception Solutions



# LI - Overview: Areas of Application

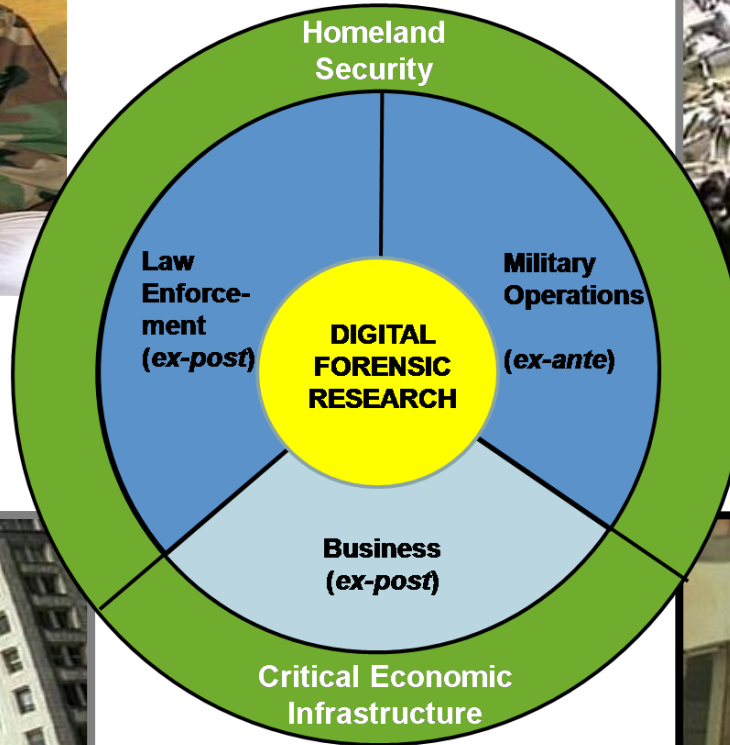




# Digital Forensic Labs: Tools to prevent Terrorism



# Digital Forensics: Crucial to Homeland Security







# Cyber Forensics



# Problem Statement

- Methods / methodologies of the past cannot cope
- Need to search more comprehensively for intelligence
- More powerful products are required
- Different intelligence processing methodologies
- Speed-up time to extract intelligence by using power of computers
- All investigators need basic skills, and Training.
- Lack of strategy, Planning, conceptional work, lack of proper Process.
- Focus on few Technologies and few commercial products.



## Overview: DIGITAL FORENSIC

- Data Acquisition
- Computer Forensic Analysis
- E-mail Investigations
- Recovering Image Files
- Writing Investigation Reports
- Logfile Analysis
- Recovering Deleted Files
- Application Password Crackers
- Investigating E-Mail Crimes
- Investigating Web Attacks
- Investigating Network Traffic
- Data Duplication



**Preservation**

**Collection**

**Analysis**

**Detailed Documentation & Reporting**





## How to win the **Champions League**?

- A. Buy FC Barcelona 🙌💰💰
- B. Get FCB Player - 🙄
- C. Get the couch and the player 🙌🙌



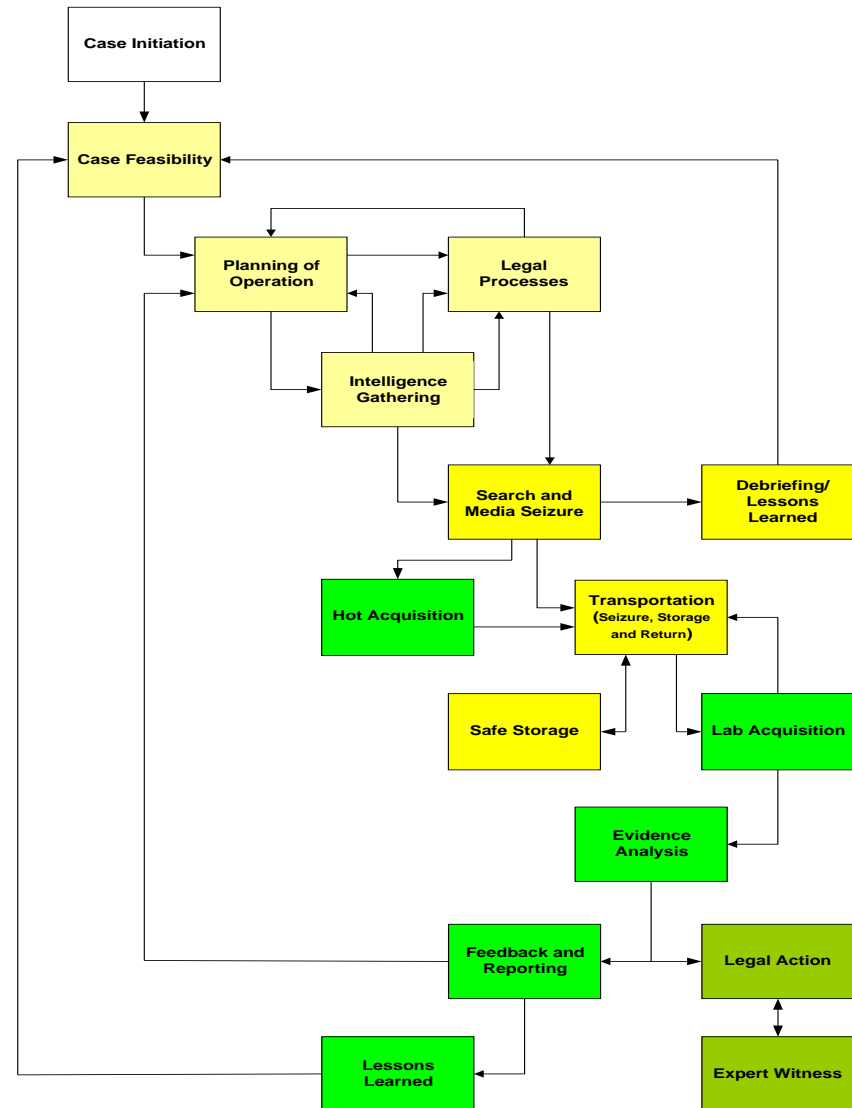
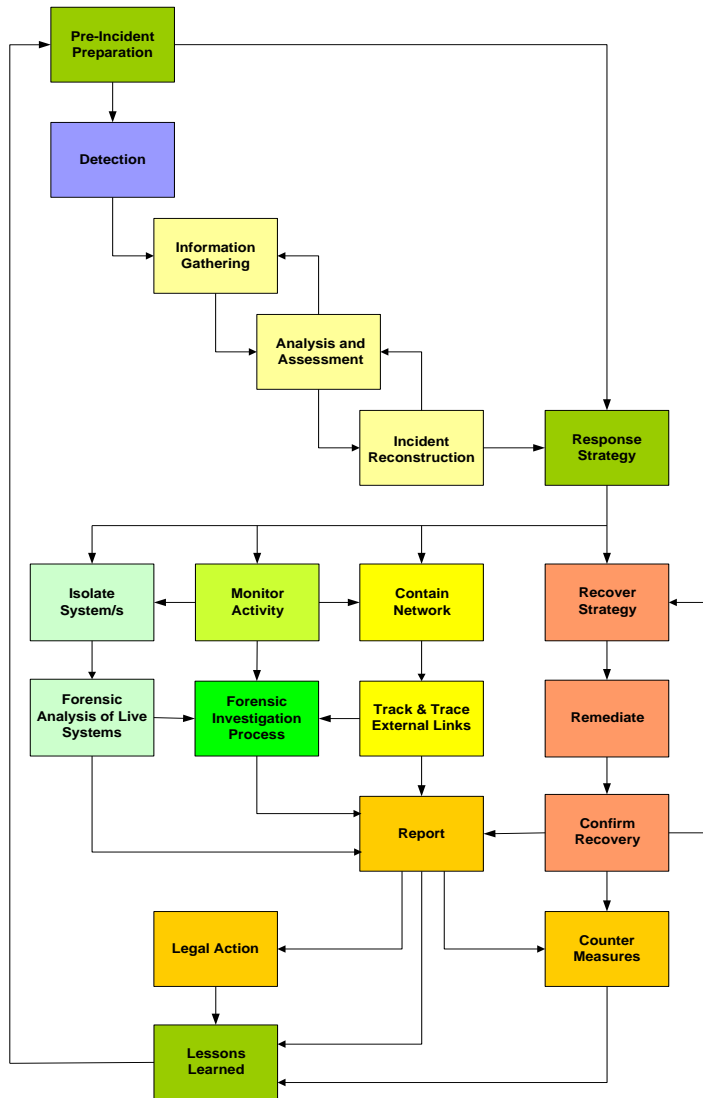
## HOW ?

**AGT**: is your couch, which select the player for you to have the **dream Team**.  
BUT the the most important is not what are you doing? **HOW** you will do it?

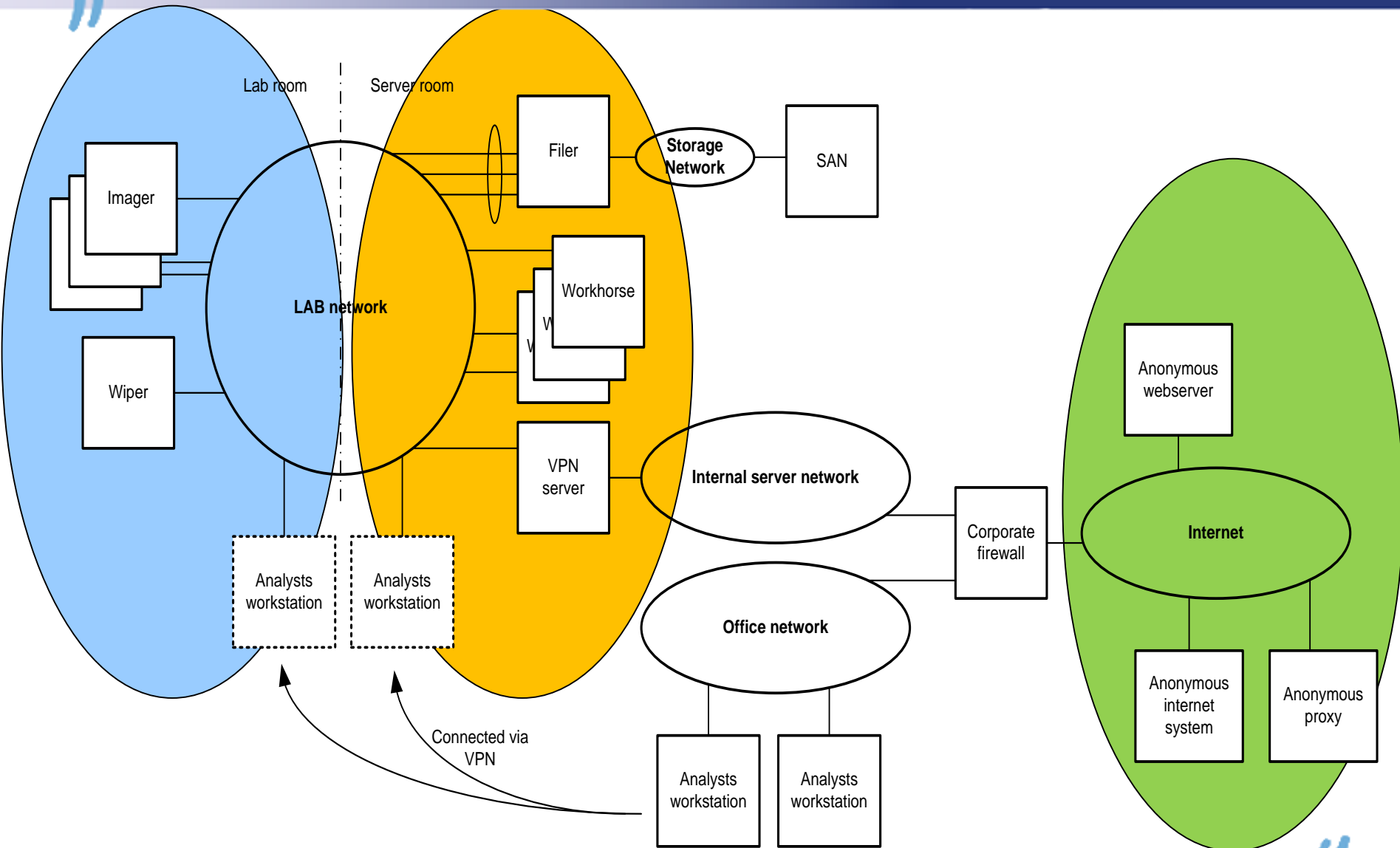
### THE SUPER LAB

1. **Strategy**.
2. Right **Planning**.
3. well define **organization, operations**.
4. Clear defined **process**
5. follow US/EU **Standard** and polices **STRICLY**. NIST USA and BSI GER
6. Select **the right** technologies suppliers and trainings partners
7. HR : TRAINING **TRAINING** and TRAINING.

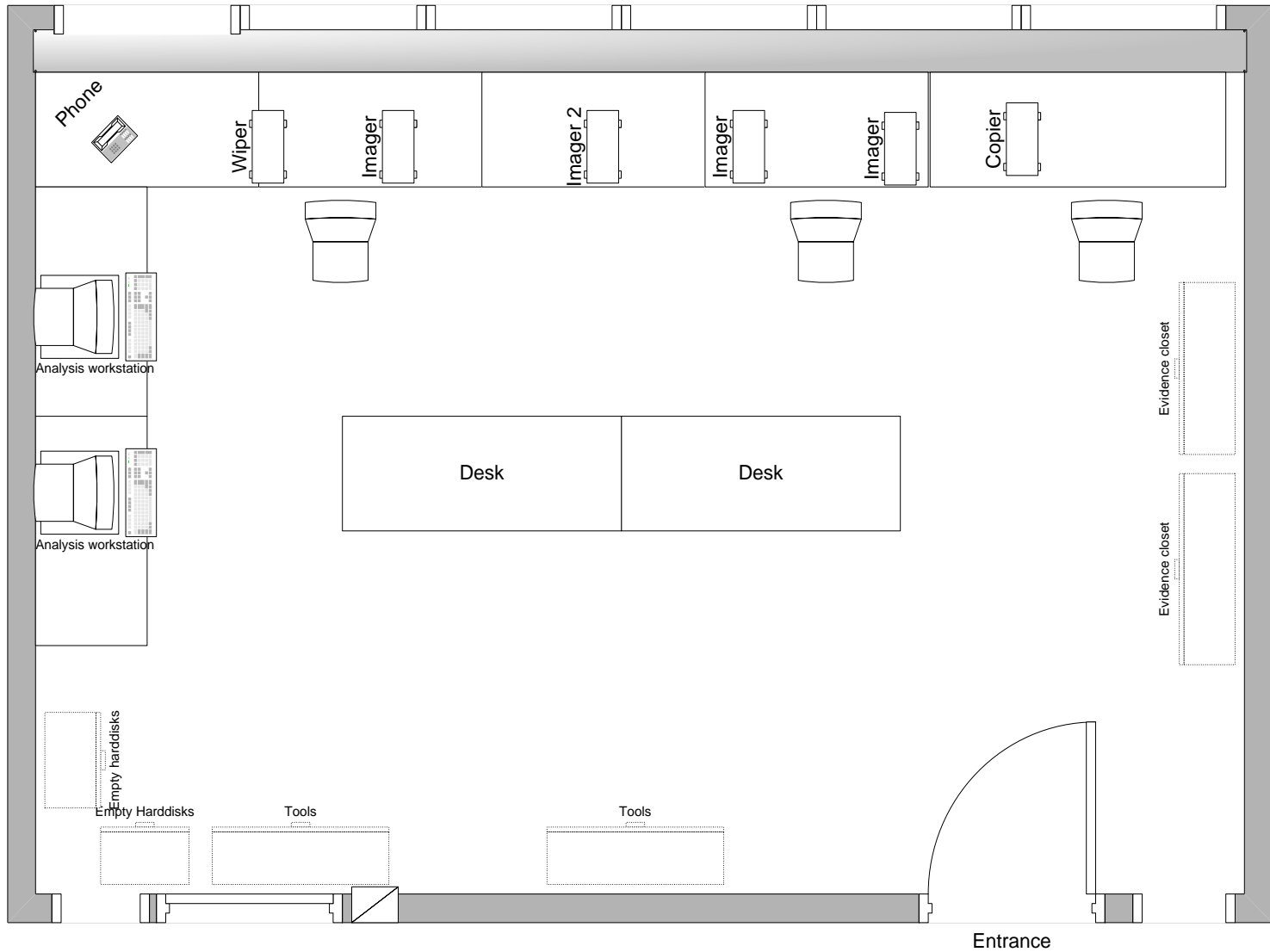
# What AGT can offer in the Cyber Forensics?



# Forensic lab setup



# The lab room



# WHO? THE TEAM Player: FCB at Glance

## THE PROJECT:

Steering committee from ( TCC, MOI, founder of AD, CEO Guidance's, former Interpol Deputy, founder of the NFI, FBI Lab, former BKA Audio Forensic Lab )

- Project Leader : TCC AGT( Fox IT EU – SAIC USA)
- Technology Global leader : Guidance and AD USA, other non commercial SW JAP RUS HW UK and special forensic tools.
- System integrator : AGT & DELL inc USA.
- HW Lab and storage : DELL inc USA.
- Clean Room: TracIP FRA
- Audio Lab: Voice Recognitions, Global leader, Aginoito Spain, University of Seville
- Image Lab: Fraunhofer Inst. ( THE GERMAN MIT) GER, cross match USA, Visage USA
- Mobile/ smart Phone unit: EU, USA, UK,UKR, RUS
- Training and professional service provider: AGT GER, Fox IT NL, Teel Tech USA, Traceip FRA X-team RUS
- Mobile forensic Lab: MH service FRA



## WHY? AGT Forensic Investigators.



AGT is the only company who has wide spectrum of Know-how as provider of services in Interception Encryption and Forensics. AGT has deep local knowledge in most of the GCC and North Africa.

### WHAT CAN AGT DO FOR THE PROJECT?

AGT has large network of partners in security & defense industry.

AGT has wide cooperation's with different large universities and leading scientific institutions.

AGT has excellent access to security experts network from around the world. With special security fields.

## » What can AGT do for the Project?

The **steering committee** is one of its kind ever set for a forensic LAB project world wide.

- There no other project done with many experts on board as this project, representing two schools EU and US
- All the companies selected, are leader in their fields
- The way how we do things is trend in the industry
- All employees are from international team (GER, UK, NL, US, CAN, FRA) have a security clearance for secret or higher (B and A) from one or more governmental bodies.
- A background check has been performed by the Local police
- All employees are a fully licensed Private Investigator
  - All employees have passed the required exam
- Bachelor and Master level education
- Expert witness experience.





15. June 2011

LulzSec takes down the CIA web  
site



**We are ready to help You?**

**citibank**

15 June 2011

Hackers breached Citibank security using simple URL manipulation – Update

**Are You?**

The theft of approximately 200,000 Citibank customer accounts may have achieved by means of a simple manipulation of the Citibank URL. Security experts told the *The New York Times* that the hackers were able to impersonate actual account holders by using a simple trick.

attack.

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Thank you for your interest.

No System is 100 % secure...

... but it can come very close to it ...

with



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