



Our company:

Swedish Company, founded in 1984, HQ in Stockholm

XRY launched 2005

Shipped +21,000 kits since then

Customers in over 120 countries

Offices around the globe

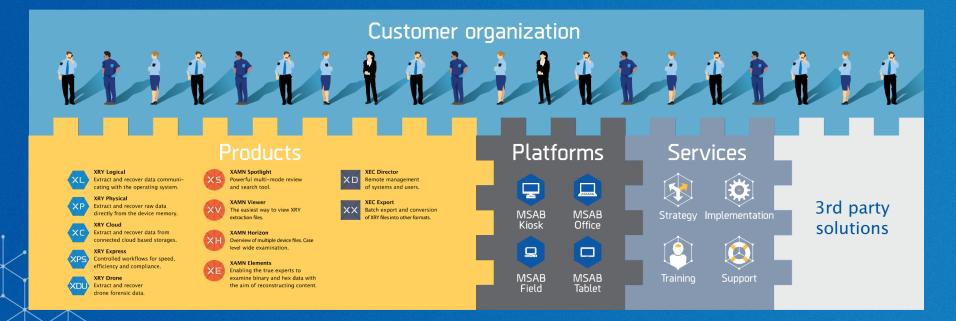
AAA rated with no debt

"The cell phone is probably the single most important piece of evidence you will find at a crime scene today."

James Comey, Former FBI Director



The building blocks of the Ecosystem – our products and services



Is mobile forensics relevant for Border Control?





Mobile Phones may provide additional information



- → Identity
- → country of origin
- → travelling route
- → Suspect contacts & networks
- → Other incriminating data

What can we find? - Examples

Artifacts <u>↓</u>					
Calls	80		Bookmarks	19	
Contacts	1331	(707)	History	410	
Contacts	1328	(707)	Searches	66	
Social Groups	3		Messages	559	(42)
Device	4168	(291)	Chat	425	(29)
Device Accounts	2		Emails	36	
Event Log	3165	(291)	MMS	14	(6)
Installed Apps	676		SMS	84	(7)
Keyboard Cache	293		Organizer	1176	(263)
Network Information	23		Calendar Events	956	(256)
Notifications	9		Notes	20	(6)
Files	117251	(3393)	Tasks	200	(1)
Application Binaries	1549	(1)	Security	23	
Archives	238		Accounts	23	
Audio	957		Web	1661	(70)
Databases	1794	(4)	Bookmarks	224	(18)



Case study: Metropolitan Counter Terrorism Command

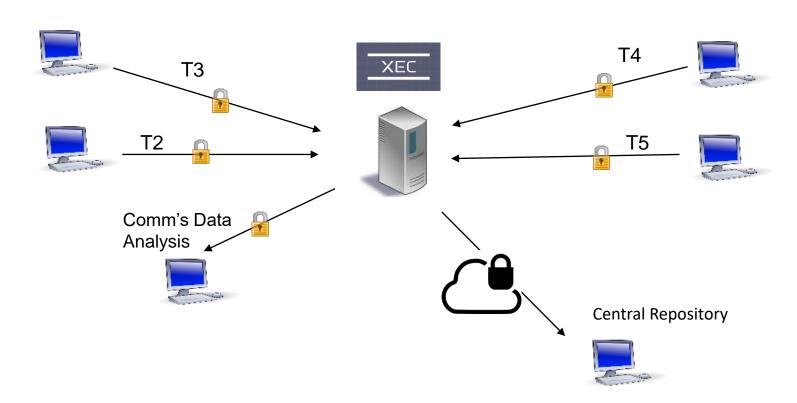


Task:

- → Identify persons entering to UK via London Heathrow who may be a potential risk for national security.
- → Operate under Sch7 Terrorism Act

Mobile forensic unit:

- → Set up Digital Forensics Unit in 2011 at Heathrow
- → 5 airport terminals, + 60 officers, 4 forensic experts
- → initially stand a lone XRY kits at the 5 terminals



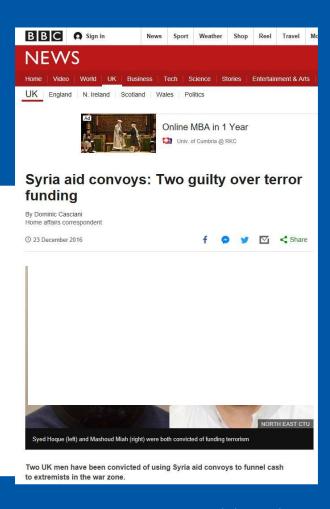
Results

Operational efficiency

- Easier to use for officers who are not digital forensic experts
- Reduced costs for operations

Example of a case solved

- Phone extraction at Heathrow b
- Chat messages show compelling that accused were financing ter used aid convoys to forward the





Challenge 2015-2016:

- → Extreme volumes of asylum seekers lead to heavy workload and unacceptable long asylum application process
- → Asylum seeker's origin important criteria for asylum right
- → Many refugees have no passport or other ID document
- → Need for a fair process to help refugees demonstrate their identity

Use mobile forensics to help determine country of origin?



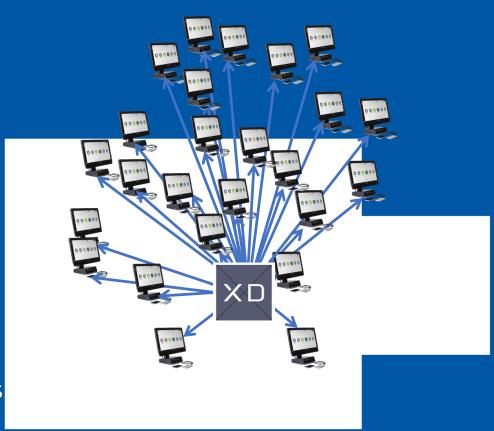
Phone data of potential interest

- Calls list (country code
- Messages (country cod
- Geotags
- Account information

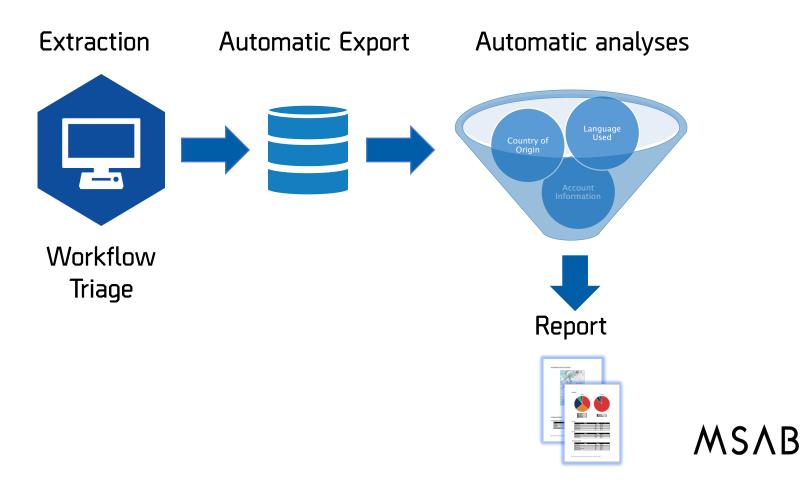


Solution

- → MSAB Kiosks at local migration centres managed centrally
- → Customized workflow and triage for phone extraction
- → 3rd party solution for automatic language and location analyses
- → Provides data helping to confirm the asylum seeker's country origin

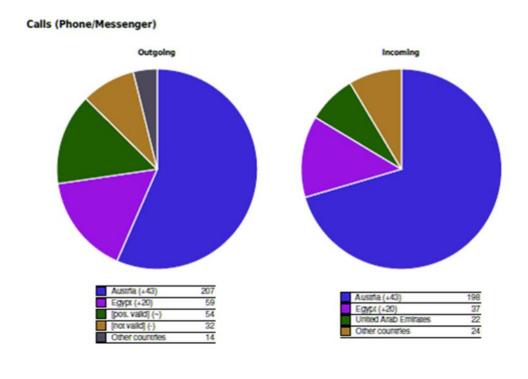


The Process



The report: Country data

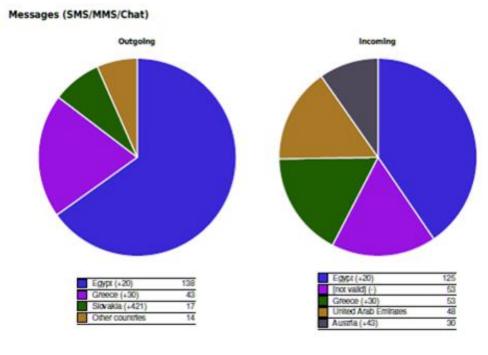
Analysis of country codes for calls (phone and comm. apps)





The report: Country data

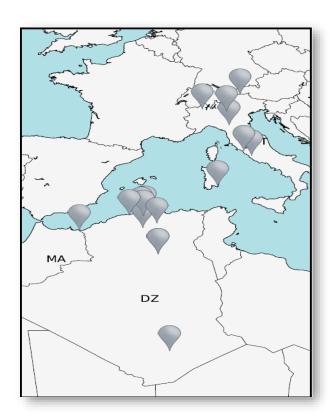
Analysis of country codes for messages & chats





The report: Country data

Analysis of location data



MSAB

Commercial Information



Why customers choose MSAB Kiosk/Tablet?

Customer needs

- → Allow non-forensic experts to perform extractions
- → Increase efficiency
- → Quality assurance (follow SOPs)
- → Prevent unauthorized use
- → Making more information available/extract more devices
- → Quicker response time, actionable intelligence
- → Give forensic experts time to dedicate for advanced tasks
- → Control of costs and usage



XRY Kiosk/XRY Tablet

How does they differ from "standard" XRY

Controlled environment

- → Locked down
- → Login
- → User administration

Designed for non-technical users

- → GUI
- → Viewer
- → Work Flow





What does workflow bring

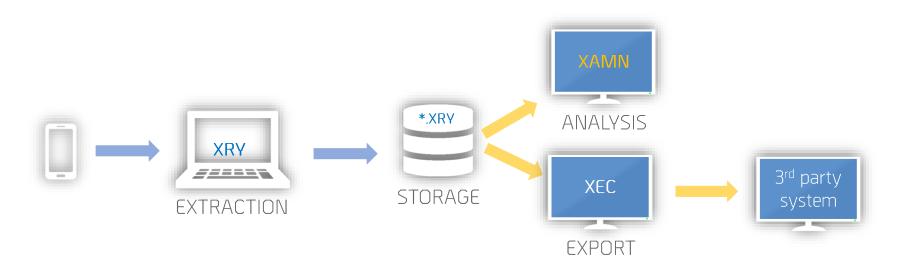
Available for Kiosk/Tablet/Office with XRY Express

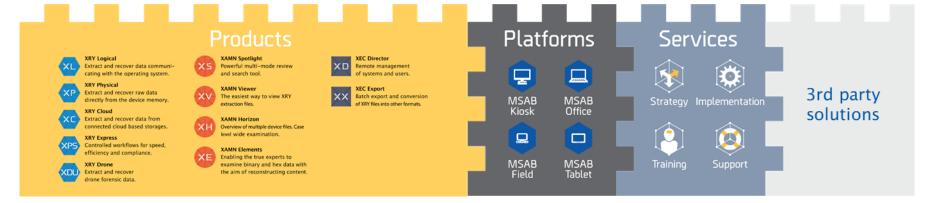


- → Less trained staff can perform extractions
- → Control of users
- → Control of process using tailored workflow
- → Tailor process/workflow to different user groups
- → Less IT support
- → Statistics and management reports













Contact information:

MSΛB