

GEMALTO M2M

Enable machine to machine communication



M2M Forum

Assago 14 May 2013

Chi è GEMALTO ?

GIUGNO 2006,

GEMPLUS & AXALTO



Our Company

World leader in
digital security

Our company

?2.2bn

Revenue 2012

10,000+

Employees

Our clients

190

Nationalities

3,000+

Financial institutions

450

Mobile Network
Operators

80

eGovernment
programs

Our innovation

?177m

Invested in R&D 2012

1,700

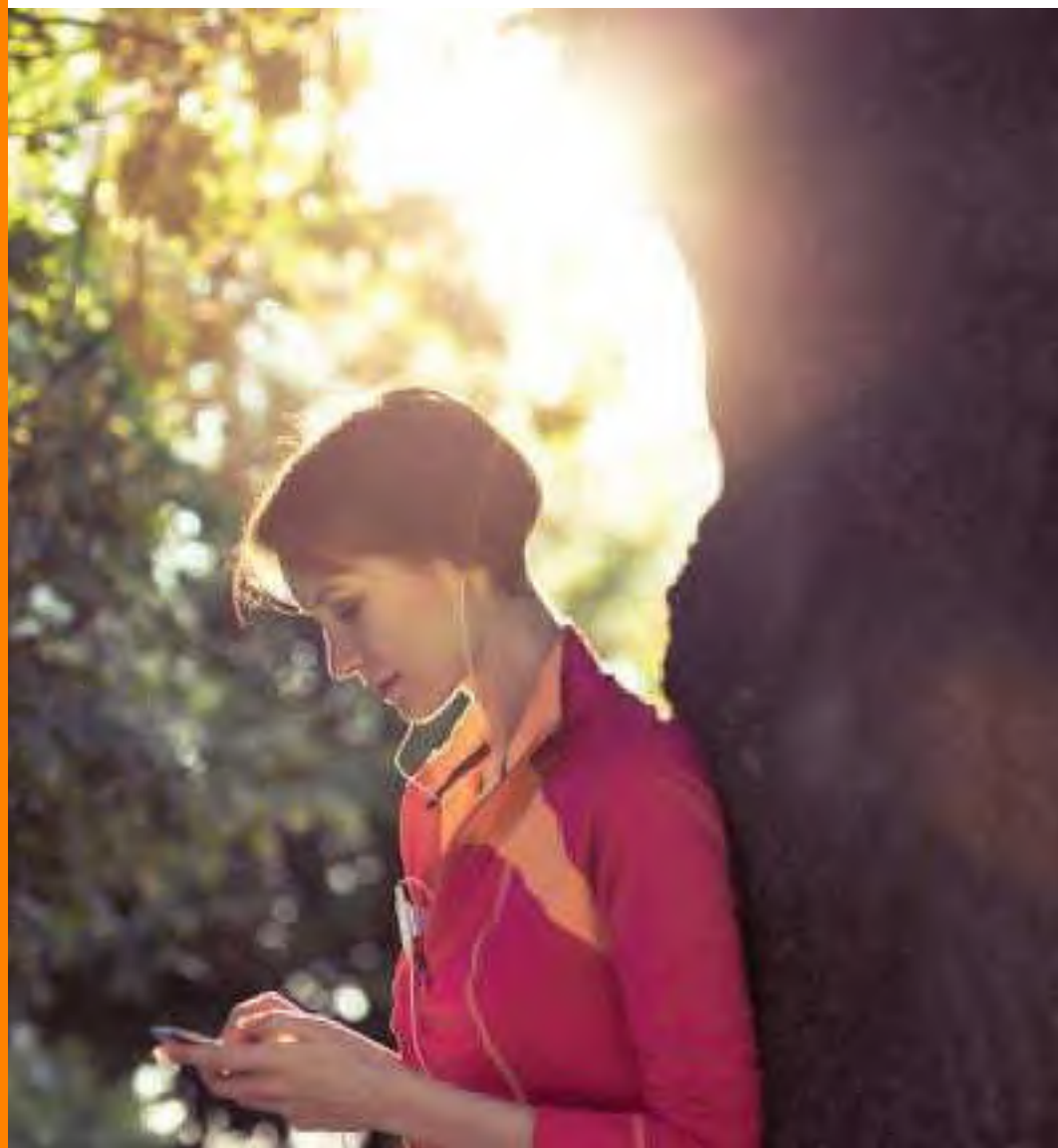
Digital engineers

4300

Patents and patent
Operators

110

New innovation first
programs



Our offer

Our markets

Digital security for people

FINANCIAL SERVICES & RETAIL

GOVERNMENT

TRANSPORT

IDENTITY AND ACCESS

TELECOMMUNICATIONS

MACHINE-TO-MACHINE

Clients

- Financial Institution
- Banks
- Retailers
- Payment and loyalty card issuer
- Government
- Healthcare and Healthcare insurance provide
- Government service providers
- Mass transit authorities
- Transport operators
- Healthcare provider
- Governments
- Defence and Police organization
- Banks
- Mobile Network Operators
- Financial Institutions
- Content and service providers
- Consumer brands
- Retailers
- Integrators
- Mobile Network Operators
- Equipment Manufactures

Solutions

- Secure operating system and application for a wide range of contact and contactless payment
- Mobile financial solutions and services
- Strong authentication and transaction signing solution and associated services for online banking and eCommerce
- Software and application enhancing the security ,efficiency and convenience of a wide range of electronic ID documents
- End to end solutions for eVoting and other eGovernment initiatives
- Contactless electronic ticketing solutions for public transportation
- Payment and ticketing on mobile handsets using NFC
- Identity and access management (AM) solution using secure software embedded in various form connected and unconnected electronic ID badges and portable services
- Strong online authentication solutions offering secure access and control of digital and physical resources
- Secure operating systems and applications embedded in a range of SIM and UICC cards.
- Client-server software for remote management of mobile devices.
- Services, including Near-Field Communication (NFC), roaming optimization, mobile money, mobile payment, mobile marketing and personal data management
- A wide range of products and services including **Cinterion Wireless Modules** AND MACHINE IDENTIFICATION MODULES (MIM)?
- M2M service enablement and delivery as well as subscription and device management platforms and services, for applications and devices

✧ 1 giugno 2008: passaggio del testimone

SIEMENS
Wireless Modules



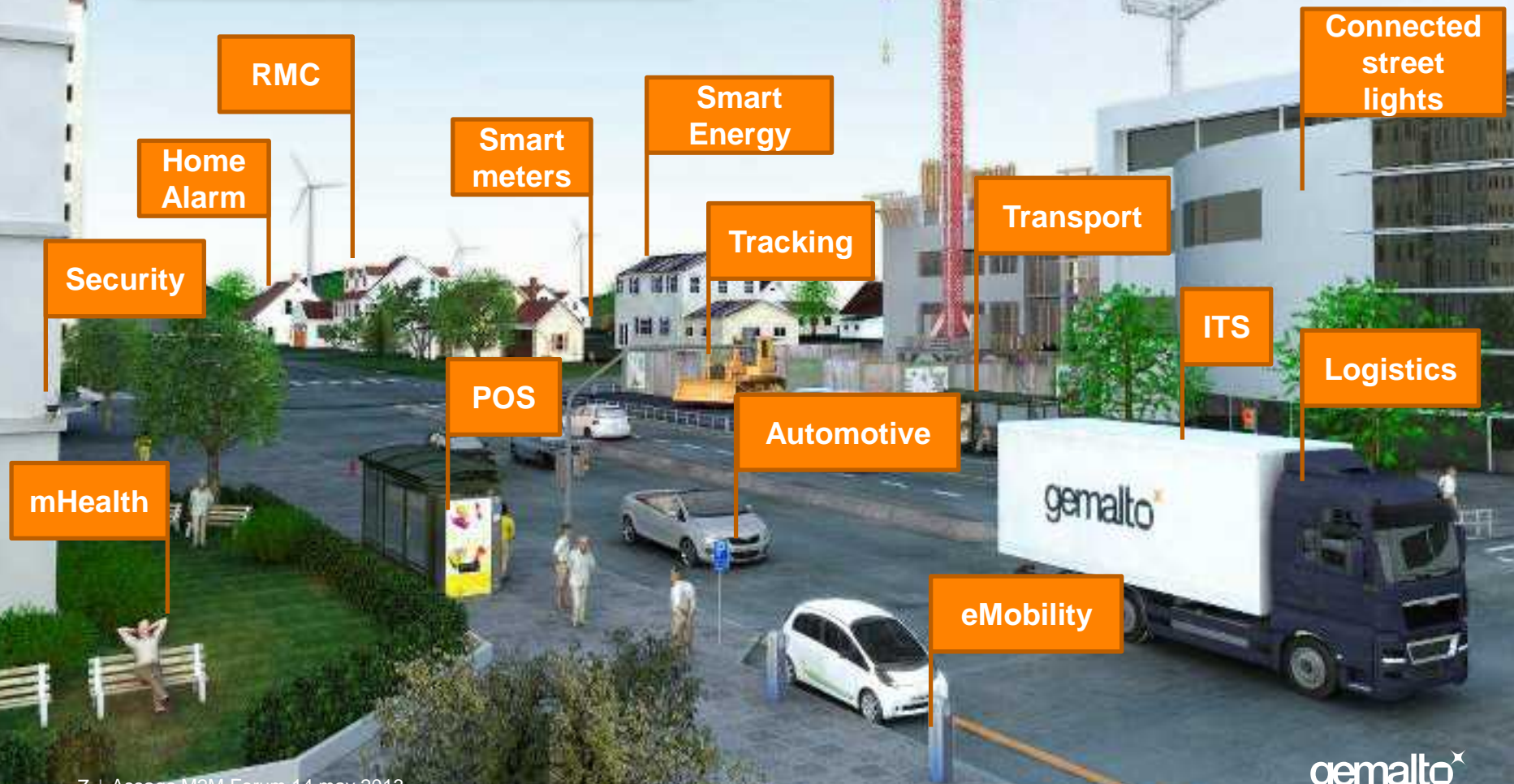
Con **gemalto**
Machine to Machine
.....la gara continua





Machine to Machine

A city where everything is connected.



RMC

Home Alarm

Security

mHealth

Smart meters

POS

Smart Energy

Tracking

Automotive

Transport

ITS

eMobility

Connected street lights

Logistics

Those are the trends in M2M.

2013



LTE Rollout will start and Automotive is the first vertical.

Embedded Processing will change the way we design M2M applications.

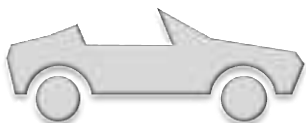
Service Adoption will drive market much more than technology.

Independence from specific cellular network technologies will become a key M2M requirement.

Flexible SIM Management services will facilitate new businesses and logistic models.

Answers: Cinterion® Modules Product Families

2013



Cinterion® Automotive



LTE HSPA+ GPRS GPRS

Products

ALS3, AHS3
AHS2, AGS2

Cinterion® Advanced

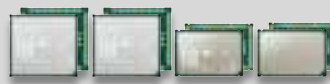


LTE Multi M. HSPA+EV-DOHSDPA 1xRTT

Products

PHS8, PLS8
PXS8, PCS3

Cinterion® Evolution



HSPA HSPA HSPA GPRS

Products

BGS5, EHS5
EHS6, EHS8

Cinterion® Value

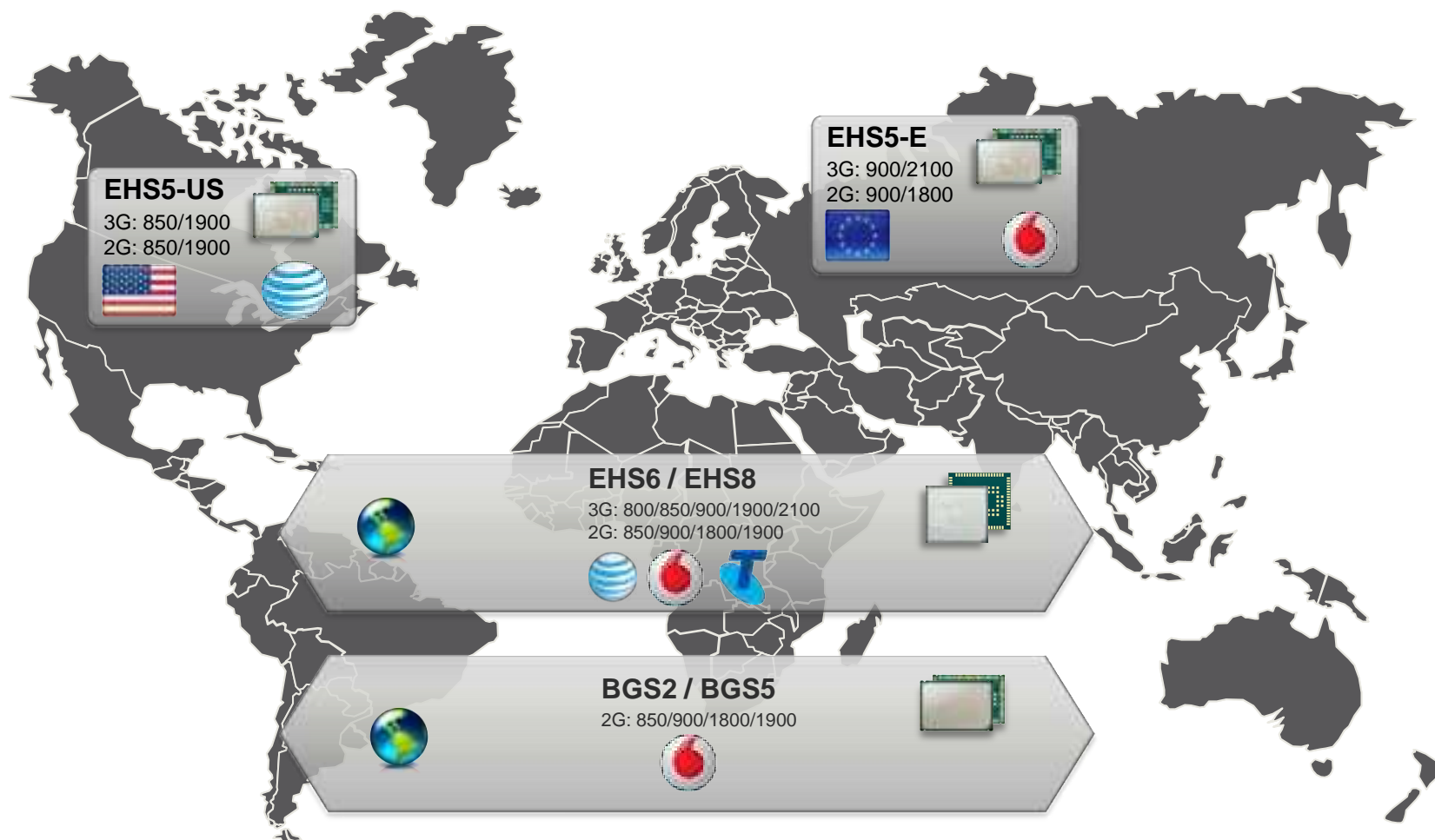


HSPA GPRS

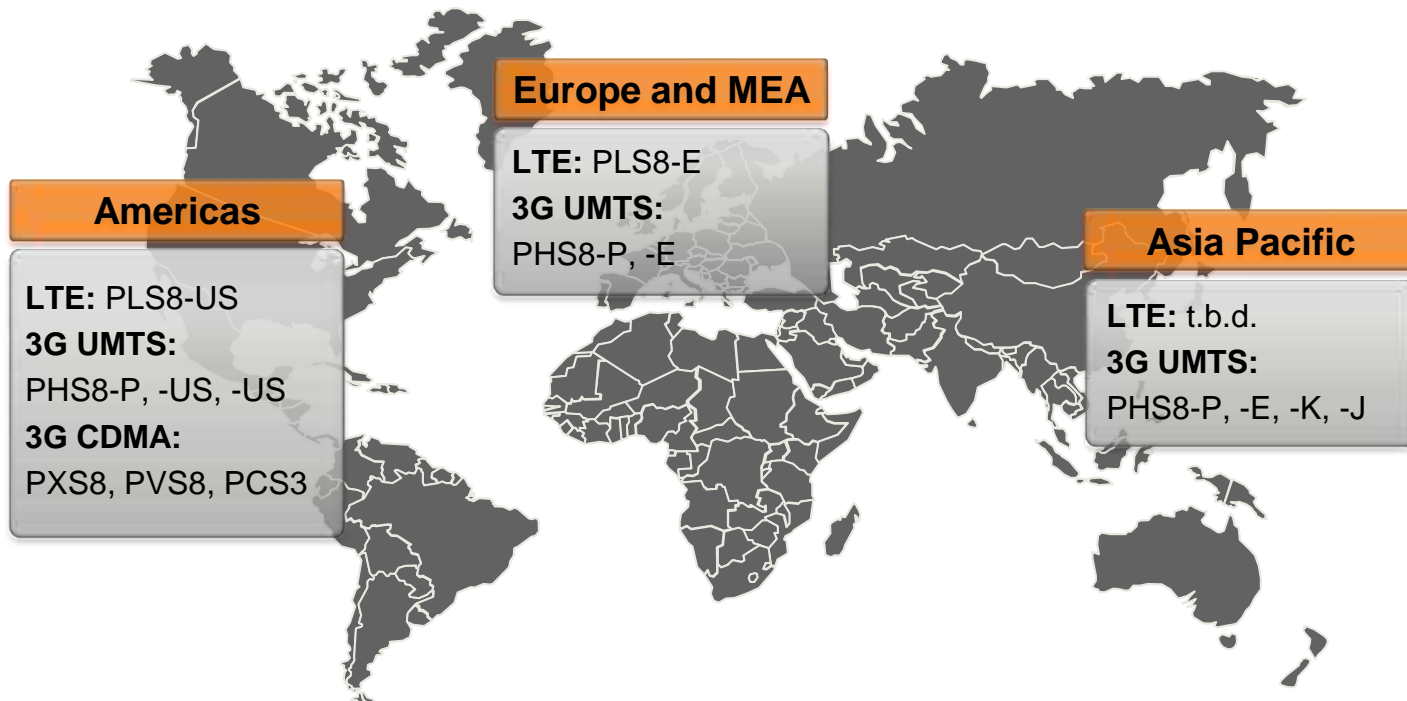
Products

BGS2 R2
EHS5 R1

Answers: Global Coverage and Optimized Regional Variants














Answers: Single footprint, multiple choices



PCS3	PVS8	PHS8-K	PHS8-J	PHS8-E	PHS8-USA	PHS8-US	PHS8-P	PXS8	PLS8	→	
1xRTT	EV-DO	HSPA+	HSPA+	HSPA+	HSPA+	HSPA+	HSPA+	Multi Mode	LTE	→	

Answers: MIM = M2M SIM



	 U-MIM Quad	 M2MPlug 85	 M2MPlug 105	 Full M2M Quad	 Full Auto Quad
Drivers	Miniaturization M2M consumer electronics	Fit any equipment M2M industrial	Fit any equipment Extended endurance M2M industrial	Industrial grade Extended endurance M2M industrial	Auto grade Extended endurance Automotive std
Temperature resistance range	GSM standard	-35° / +85°	-40° / +105°	-40° / +105°	-40° / +105°
M2M qualification (JEDEC)			●	●	●
eXtended Life mechanism	As an option	●	●	●	●
Enhanced silicon		●	●	●	●
Burn-in					●
Data retention	10y / 25°C	10y / 85°C	10y / 85°C	10y / 85°C	17y / 80°C
Automotive req compliance				 	  

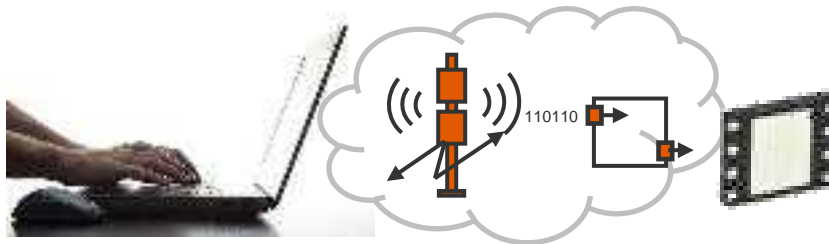
Rugged MIMS for a rugged industry

XL
extended Life - extended Life

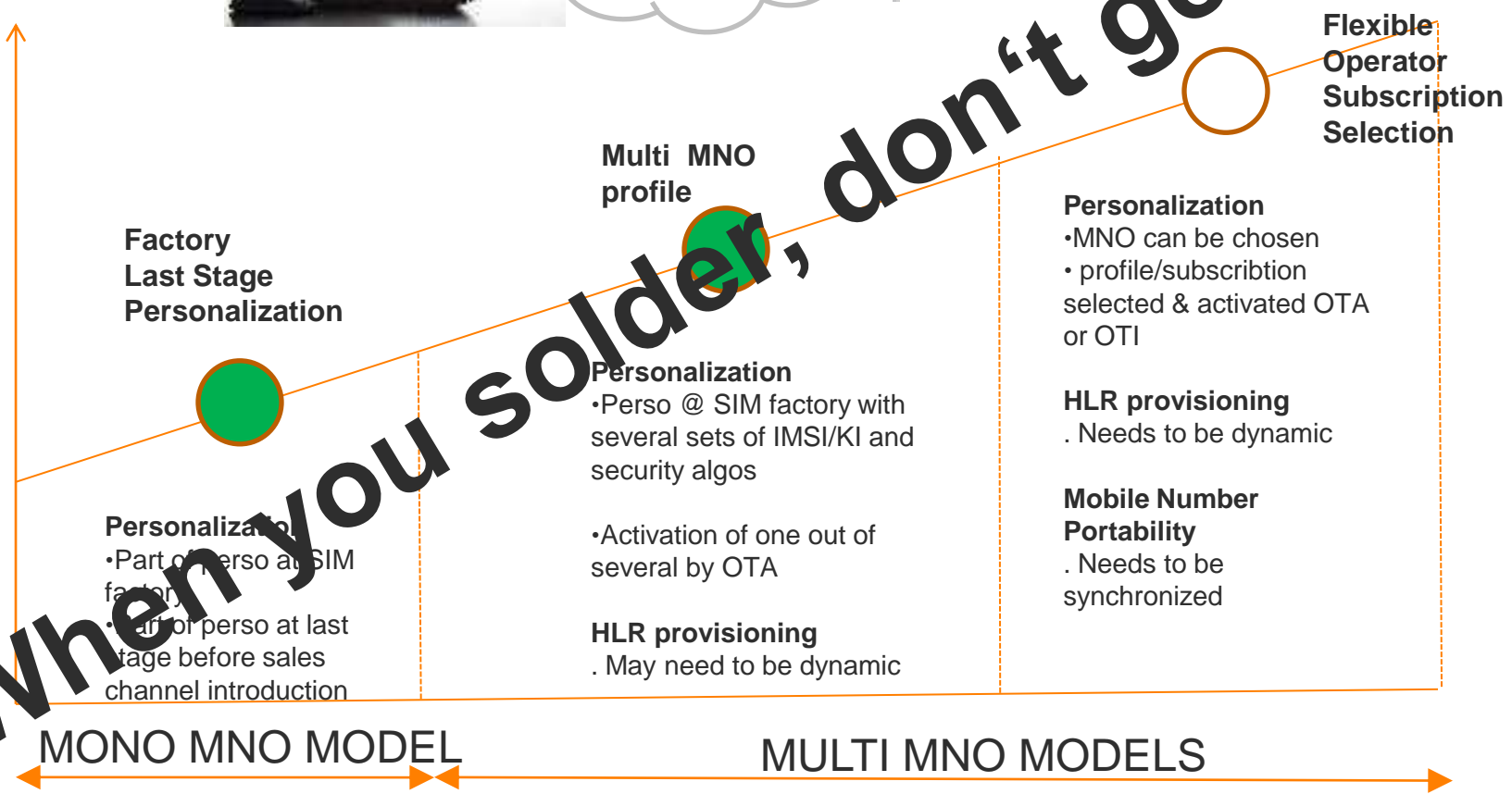
Answers: Subscription Management



- Complexity**
- Technical
 - Regulation
 - Business models



When you solder, don't get stuck.



Answers: App Management Platform



Mobile App

Browser



Unique Services

Developer can use:

- ✘ any language
- ✘ any device
- ✘ any vertical

We enable:

- ✘ the gate to the vertical
- ✘ on any device
- ✘ with a platform tool box

- Look & Feel
- UI Code
- Workflow
- App Logic
- App Algorithms
- Maps
- User Mgmt
- App Data Mgmt

M2M

- Roles
- Alarms
- Biz Rules
- Device data
- Device Mgmt
- Data Store
- Connectivity

M2M Application



Common Services

SensorLogic



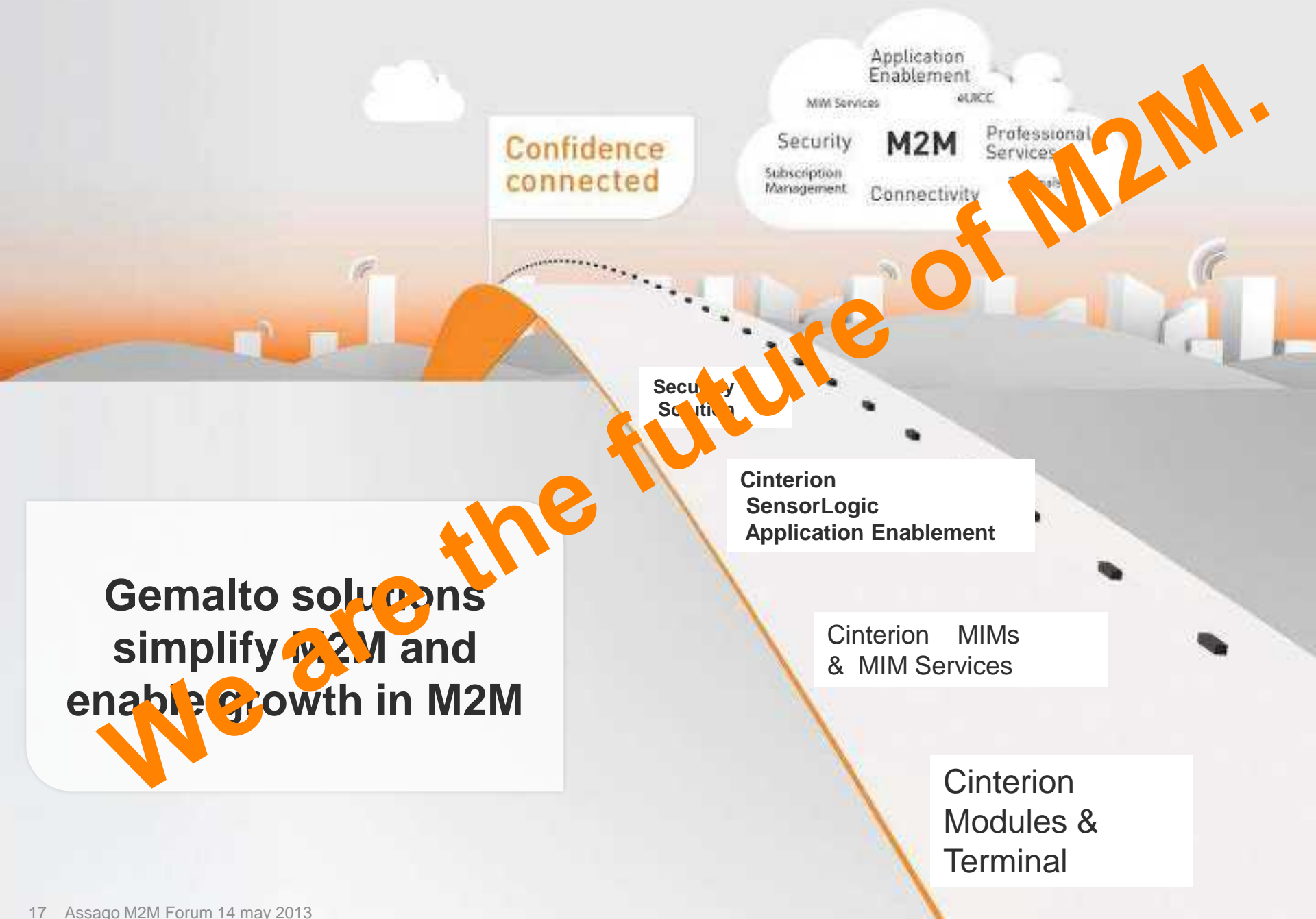
Sensors

Machines

Devices

Vehicles

De-fragment the app world



Confidence connected

Application Enablement
M2M Services eUICC
Security M2M Professional Services
Subscription Management Connectivity

Security Solutions

Cinterion
SensorLogic
Application Enablement

Cinterion MIMs
& MIM Services

Cinterion
Modules &
Terminal

Gemalto solutions simplify M2M and enable growth in M2M

We are the future of M2M.

GEMALTO M2M

We deliver confidence connected

GRAZIE

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