# Investor and Analyst Call

11 June 2013



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Division President
Chip Card & Security (CCS)





- Infineon Chip Card & Security Overview
- Differentiation and Technology
- Growth Drivers and Focus Segments
- Summary

#### **Disclaimer:**

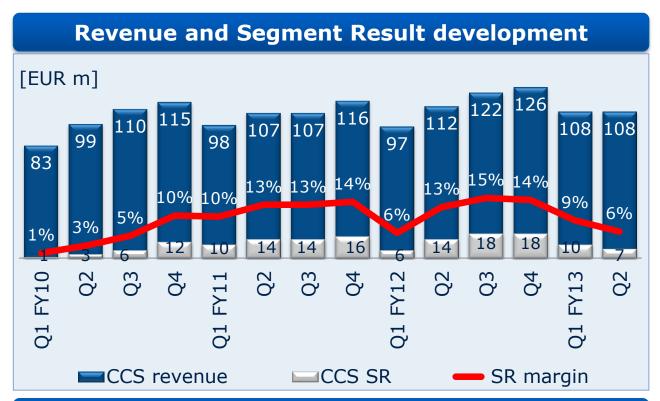
This presentation contains forward-looking statements about the business, financial condition and earnings performance of the Infineon Group.

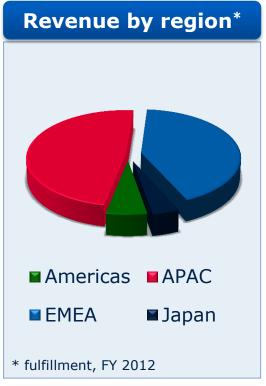
These statements are based on assumptions and projections resting upon currently available information and present estimates. They are subject to a multitude of uncertainties and risks. Actual business development may therefore differ materially from what has been expected.

Beyond disclosure requirements stipulated by law, Infineon does not undertake any obligation to update forward-looking statements.

## Chip Card & Security (CCS) at a Glance







#### **Top customers**



















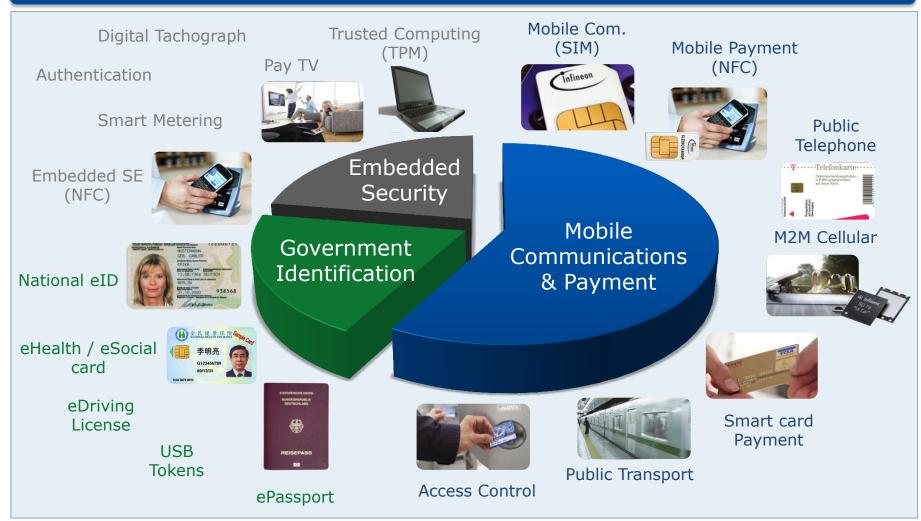




# Chip Card & Security Revenue by Application



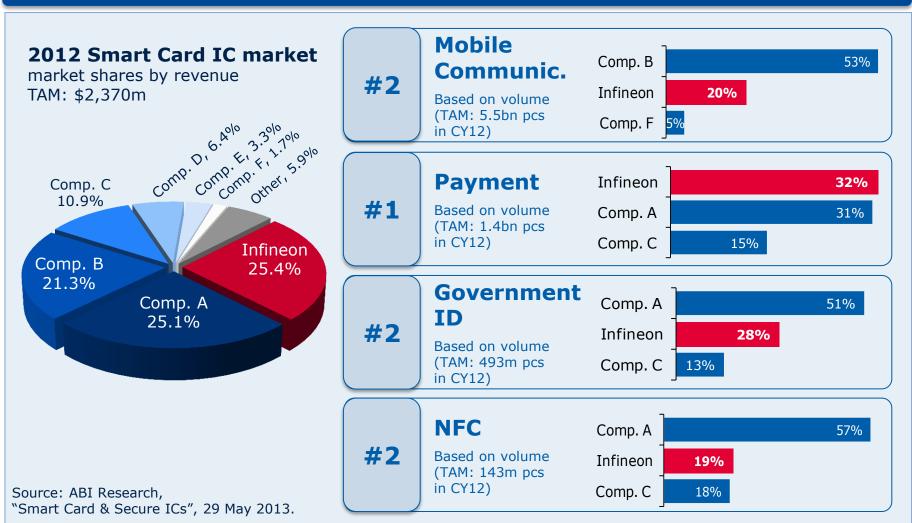
## Revenue split by Application in FY 2012: EUR 457m



# Infineon is Market Leader for Smart Card ICs in CY 2012 According to ABI Research









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# Innovations Based On Core Competencies Create Convincing Competitive Advantage



**Core competence** 

**Innovation** 

**Competitive advantages** 

**Security** 



INTEGRITY GUARD

- Digital security
- Protects against various attacks
- Reduces total cost of ownership

Contactless Performance



Coil on Module

- Mechanical robustness and long lifetime
- Simplifies card design and manufacturing

Embedded Control

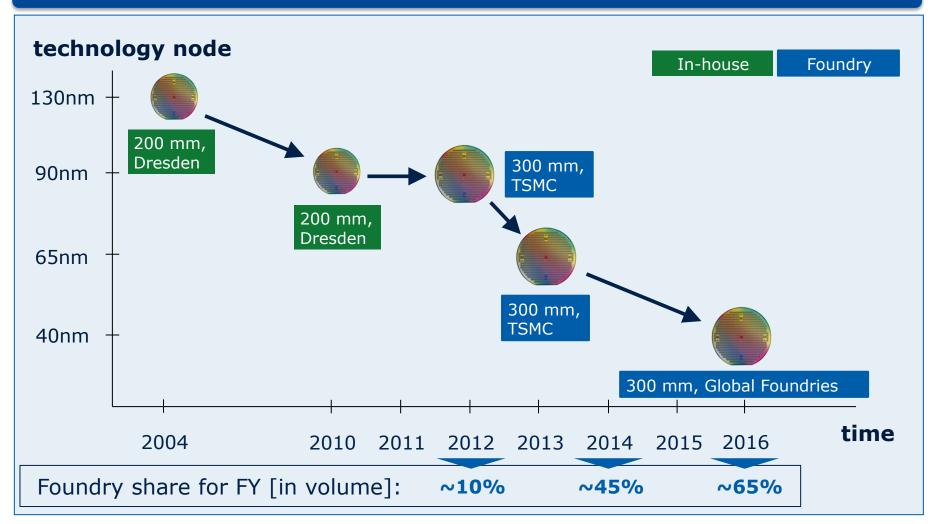


- Flexibility across the value chain
- Highest certified Flash in the market
- Outstanding reliability

## Shrink and Outsourcing Improve Cost Competitiveness and Lower Capital Intensity



## **Technology and foundry roadmap**





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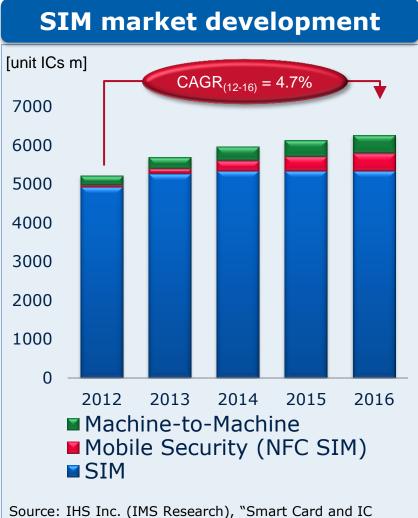
# Mobile Communications Growth to Continue with Emerging Applications





#### **Comments**

- CCS focuses on mid- and high-end SIM requiring Flash and cost-competitive manufacturing technologies.
- Emerging high-end applications such as NFC SIMs and machine-to-machine provide growth opportunities.



Database – World – 1Q13 Update" and "Near Field Communications – World – 2013", March 2013.

# Payment WW Migrating to Chip-based Solutions with Strong Dual I/F Penetration

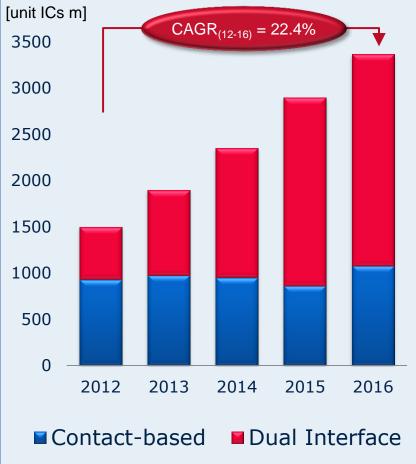




#### **Comments**

- Migration from magnetic stripe to EMV: Latin America, China, USA.
- Penetration in developing countries.
- Dual Interface market growth driven by convenience, mobile payment (infrastructure deployed) and convergence (e.g. transport).

## **Payment market development**



Source: IHS Inc. (IMS Research), "The World Market for Payment and Banking Cards – 2012 Edition", July 2012.

## Governments WW Adopt New Electronic Schemes for Nat. eIDs and eHealthcare

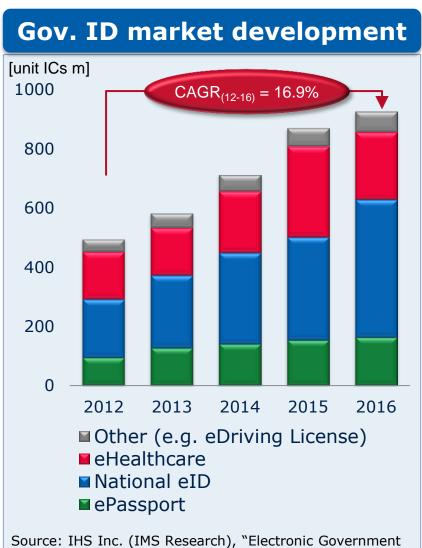






#### **Comments**

- Further national eID and eHealthcare schemes to roll out: Brazil, India, Japan, Russia, Turkey.
- Multi-application cards and biometrics will require very-high bit rates for fast contactless transaction times.
- Digital security: Integrity Guard.



& Healthcare ID - World - 2012", December 2012.

## Embedded Security Know-how Positions Infineon as Leader in New Markets



## Trusted Computing (TPM)



## Mobile Security (NFC)



#### **Authentication**



## Critical Infrastructure





#### **Comments**

- Cloud Computing, Mobile Payment and Connectivity drive the need for embedded security in the consumer market.
- New applications for security emerging: Smart Grid, Industrial Control, IT infrastructure, Vehicle-to-Vehicle communication etc.
- Infineon has strong embedded security know-how, with >10 years experience in TPM.

## Infineon Chip Card & Security is Well Positioned for Continued Growth



## Mobile Communication



## **Payment**



## **Government Identification**



## Embedded Security



## **Expected growth [in pieces]**

~5%\*

~20%\*

~15%\*

>20%

#### IFX Position\*\*

#2

#1

#2

not available

#### CCS expects average revenue growth of 6 - 9% p.a.

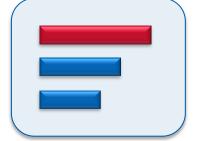
- \* Source: IMS Research, 2012.
- \*\* Source: ABI Researcj, May 2013.



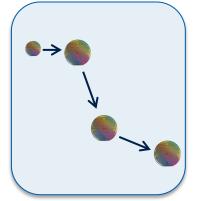
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## Summary





- Infineon is leading the Chip Card & Security market.
- We have a track record of sustained profitability.



- Competitive advantage based on technology leadership.
- Increasing foundry share with technologies at 90nm and below will reduce capital intensity.



- We grow in key markets in all regions.
- We are well positioned in emerging security markets.



# ENERGY EFFICIENCY MOBILITY SECURITY

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