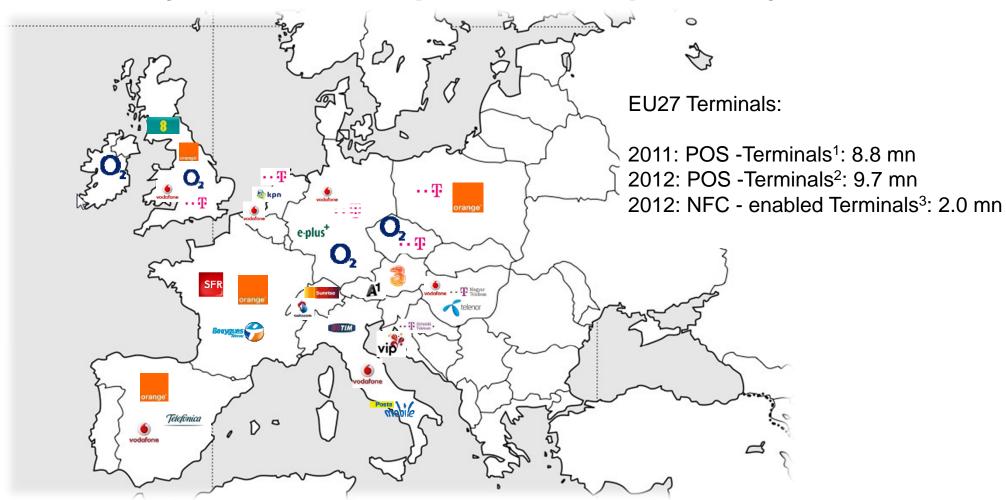


## Mobile Payments take up in all European key countries

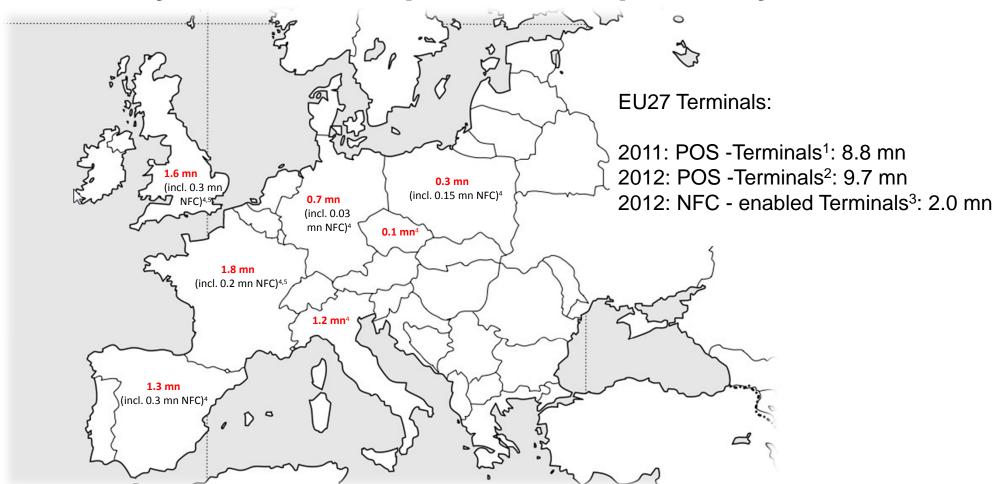


<sup>1</sup> ECB Press release 2012/09/10 Payment statistics for 2011 www.bundesbank.de/Redaktion/DE/Downloads/Presse/EZB\_Pressemitteilungen/2012/2012\_09\_10\_zahlungsverkehrsstatistik.pdf?\_\_blob=publicationFile

<sup>&</sup>lt;sup>2</sup> ECB Press release 2013/09/10 Payment statistics for 2012 http://www.ecb.europa.eu/press/pr/date/2013/html/pr130910.en.html

<sup>&</sup>lt;sup>3</sup> Berg Insight Mobile Wallet Service 2012

# Mobile Payments take up in all European key countries



<sup>1</sup> ECB Press release 2012/09/10 Payment statistics for 2011 www.bundesbank.de/Redaktion/DE/Downloads/Presse/EZB\_Pressemitteilungen/2012/2012\_09\_10\_zahlungsverkehrsstatistik.pdf

<sup>&</sup>lt;sup>2</sup> ECB Press release 2013/09/10 Payment statistics for 2012 http://www.ecb.europa.eu/press/pr/date/2013/html/pr130910.en.html

<sup>&</sup>lt;sup>3</sup> Berg Insight Mobile Wallet Service NFC- enabled Terminals 2012

<sup>&</sup>lt;sup>4</sup> Berg Insight Mobile Wallet Service POS-Terminals Q4-2011

<sup>5</sup> ECB, August 2013 - yStats.com, Wirecard

## Germany



#### **Market Readiness**

Total number of terminals: 0.7 mn

NFC - enabled terminals: 0.03 mn

with strong growth

Contactless cards<sup>1</sup>:

Visa Pay Wave: 0.8 mn

Master Card Pay Pass: 1.0 mn

#### Launches



12/2013: *Vodafone Wallet* with *Smartpass* prepaid solution



2012: O2 Wallet with mpass prepaid solution



2013: Telekom Wallet with Airplus

2014: Telekom Wallet with DTAG MyWallet

prepaid solution



2014: e-plus Wallet with prepaid solution

<sup>&</sup>lt;sup>1</sup> Visa Europe, June 2013; MasterCard, January 2013; yStats.com



Total number of terminals: 1.8 mn

NFC - enabled terminals: 0.2 mn

Contactless cards¹:

Visa Pay Wave: 8.3 mn

Master Card Pay Pass: 1.0 mn

#### Launches



2014: Orange Cash prepaid solution

2014: NFC Wallet launch with bank partners



2014: Boygues Wallet with bank partners (proyect frozen January 2014)



2013: SFR PayCard (no NFC-SIM solution)

2014: NFC Wallet launch with bank partners

<sup>&</sup>lt;sup>1</sup> Visa Europe, June 2013; MasterCard, January 2013; yStats.com



Total number of terminals: 1,6 mn

NFC - enabled terminals: 0,3 mn

Contactless cards<sup>1</sup>:

Visa Pay Wave: 29,8 mn

Master Card Pay Pass: 1,0 mn

### Launches



2012: Orange Quicktap with Barclaycard

2013: Cash on Tap prepaid solution



2012: *O2 Money* Launch with prepaid solution (closes 31.3.2014)

<sup>&</sup>lt;sup>1</sup> Visa Europe, June 2013; MasterCard, January 2013; yStats.com





Total number of terminals: 1.3 mn

NFC - enabled terminals: 0.3 mn

Contactless cards¹:

Visa Pay Wave: 4.0 mn

### Launches



12/2013: Vodafone Wallet with Smartpass

Prepaid

2014: Launch with LaCaixa



2014: Launch with LaCaixa



2014: Launch with LaCaixa

<sup>&</sup>lt;sup>1</sup> Visa Europe, June 2013; MasterCard, January 2013; yStats.com



Total number of terminals: 0.26 mn

NFC - enabled terminals: 0.15 mn

Contactless cards¹:

Visa Pay Wave: 10.1 mn

Master Card Pay Pass: 1.0 mn

### Launches



2012: *MyWallet* with bank partners(Eurobank, Getin Bank, Noble Bank, Raiffeisen Polbank, mBank



2012: Orange Cash with bank partner mbank

<sup>&</sup>lt;sup>1</sup> Visa Europe, June 2013; MasterCard, January 2013; yStats.com

## **Key Findings**

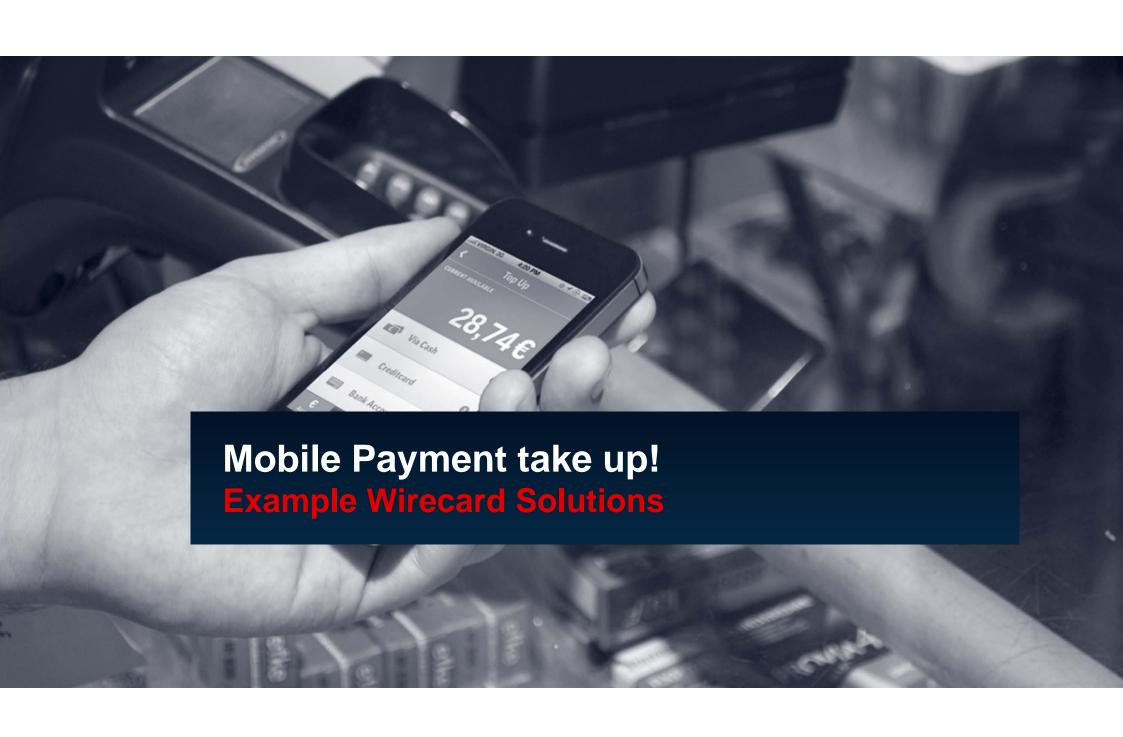
- Several launches to follow in 2014.
- Rollouts are driven by mobile operators.
- Consequently, launched solutions are based on NFC and SIM-based secure elements.
- Take-up by banks is still slow but progressing. Number of announcements rising. First x-MNO launch in 2014 (LaCaixa)

The Year Ahead for NFC: Telcos Finally Ready to Roll Out, But Alternatives to SIMs Multiply

HCE Moves Forward with Promise and Not a Little Hype

One of Europe's Top Contactless Banks to Offer NFC Payments with Three Major Telcos in Spain

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# **Customer Case Study**

- Mobile contactless payment product for Telefonica O2
- Account: Pre- and/or postpaid (de-coupled debit) based on subscriber rating
- Top-up methods: real-time money transfer, wire transfer and direct debit
- Card Product: Maestro NFC-sticker, NFC mobile card and virtual MasterCard
- Issuer: Wirecard Card Solutions Ltd.
- SP-TSM: Giesecke & Devrient
- Value-added Services:
  - Embedded couponing and loyalty functionality
  - Deployment of contactless payment terminals





# vodafone

# **Customer Case Study**

- Contact(less) solution Vodafone Smartpass with mobile NFC application for several European countries
- Account: Prepaid and/or de-coupled debit<sup>1</sup>
- Top-up methods: real-time money transfer, wire transfer, credit card and direct debit<sup>1</sup>
- Card Product: VISA Mobile Card, Dual-interface card, NFC sticker and EMV cards<sup>1</sup>
- Issuer: Wirecard Card Solutions Ltd.
- SP-TSM: Wirecard (on Corfire licence)



<sup>&</sup>lt;sup>1</sup> Product configuration is varying per country



## **Customer Case Study**

- Contactless (NFC) mobile payment application
- Account: Prepaid
- Top-up methods: wire transfer, credit card
- Card Product: NFC VISA mobile card and one-time virtual VISA cards
- Issuer: Wirecard Card Solutions Ltd.
- SP-TSM: Oberthur
- Value-added Services:
  - Embedded cashback & couponing functionality



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## **Outlook**

- Alternative approaches with HCE, embedded secure elements, Bluetooth Low Energy BLE, QR codes will take up – but will face serious challenges
- Mobile Payment Ecosystem will further evolve with more banks starting activities
- Focus now on driving user awareness and acceptance
- Mobile Payment Solutions will be extended with value-added services



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## Thank you for your attention!

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