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# Communications Solutions

Prof. Dr. Hermann Eul Executive Vice President and Member of the Management Board President Business Group Communication Solutions



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## COM - Market Leader in Broadband and RF; Turning Around Mobile Platform Business



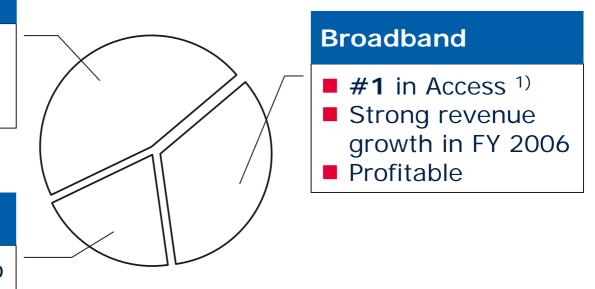
COM revenues by segment in FY 2006 Total: EUR 1.2 bn

#### **RF Solutions**

- #1 in RF ICs<sup>1)</sup>
- Shipped more than 230 m RF ICs in CY 2006

#### **Mobile Phone Platforms**

- Revenue declined due to BenQ market share losses
- New customers ramping



# Key Elements of the COM Business Segment Strategy



#### **Broadband**

- Drive further market share gains in DSL and VoIP by leveraging innovative and broad product portfolio.
- Take advantage of early leadership position in VDSL2 and GPON.

#### RF Solutions

- Leverage RF CMOS leadership to further broaden customer base and drive growth in 3G and EDGE.
- Continue to lead single-chip RF integration.
- Gain market share in GPS and digital tuners.

#### Mobile Phone Platforms

- Execute on customer projects to achieve profitability.
- Gain market share by leveraging strong singlechip phone offering for GSM/GPRS and EDGE as well as complete 7.2 Mb/s HSDPA solution.

COM

## **COM Business Group Outlook**



#### Q2 FY 2007

- Revenues and EBIT flat q-o-q.
- Customer ramp-ups mitigate typical seasonal decline in the wireless business; wireline business to be about flat.
- Broadband maintains profitability.
- Savings implemented in mobile phone platforms.

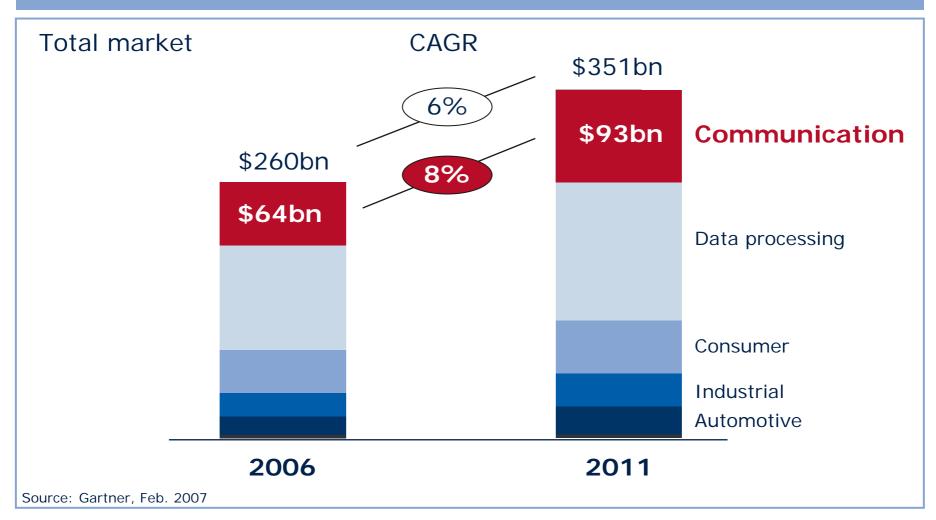
## FY 2007 and beyond

- FY 2007: expect sales decline y-o-y; expect annualized EUR 40 m cost reduction from Jun Q onwards; EBIT before charges to remain broadly flat y-o-y.
- Beyond FY 2007: Wireless business to break-even in Dec Q 2007; expect strong sales growth versus FY 2007 and positive EBIT.

# Communication Semiconductors Are Expected to Grow Stronger than the Total Market



## Semiconductor Market Development



## Growth Driver: Connectivity



# Connectivity

# Mobile music, mobile video, mobile internet



7.2 Mb/s and more



# Mobile communication in emerging markets







#### Wireless connectivity everywhere



**GPS** 



Mobile TV

# Triple-Play broadband and network replacement

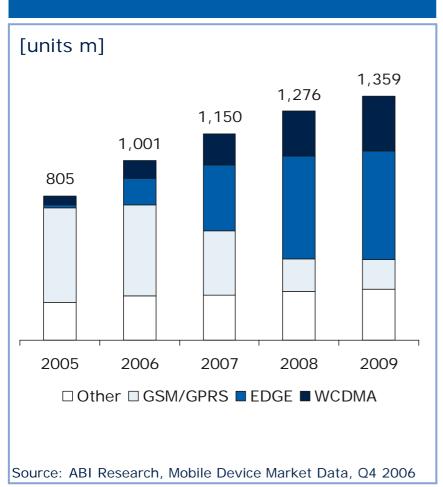


IPTV VoIP Internet surfing

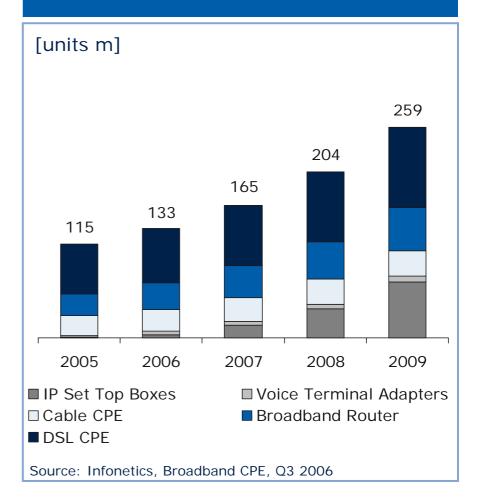
## Major COM Growth Opportunities



#### **Mobile Phones**



#### **Broadband CPE**



# Broad Product Portfolio: Significant Infineon Content in Target Applications



#### **Mobile Phones**



## **Broadband Gateways**



# Infineon Engineers Develop World-Class Products



Single-chip EDGE mobile phone solution

"S-GOLDradio"



Single-chip GSM mobile phone solution

"E-GOLDvoice"



Single-chip 7.2 Mb/s HSDPA baseband

"S-GOLD3H"



World's first 3G/EDGE DigRF CMOS transceiver

"SMARTI UE"



World's smallest EDGE CMOS transceiver

"SMARTI PM+"



Single-chip Mobile TV front-end

"OmniVia"



World's smallest GPS single-chip receiver

"Hammerhead II"



World's first standard compliant VDSI 2 solution

"VINAX"



World's first singlechip ADSL2+ broadband IAD

"Danube"



World's first 5+2G switch

"Tantos"



## COM Has a Leading Customer Base



### Selection of Announced Customers and Key Customers\*, resp.





















<sup>\*</sup> In alphabetical order.



# How we plan to turn around our Mobile Platform business

# Successful Launch of Platforms in Major Target Markets



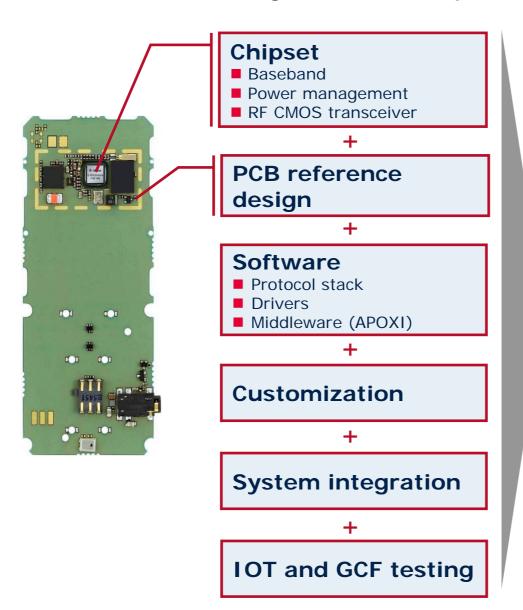






# Infineon's Advantage: Mobile Platform System Competence





## **Advantages:**

- Small platform footprint
- Low component count
- Low power consumption
- Time-to-market

# Complete Mobile Phone Platform Solutions for Major Growth Markets



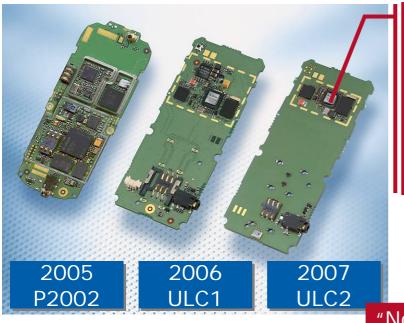
Target markets	2G / 2.5G GSM / GPRS		2.75G EDGE		3G UMTS	3.5G HSDPA
Platform	ULC1	ULC2	MP-E	MP- Elite	MP-EU	MP-EH
Baseband	LDradio	e	<b>1</b>	•	<b>1</b>	
RF CMOS transceiver	E-G0I	GOLDvoi	<b>√</b>	SOLDradio	<b>✓</b>	
Power management	<b>√</b>	ш́	<b>√</b>	9-8	<b>1</b>	
Protocol stack	<b>\</b>	<b>✓</b>	<b>\</b>	<b>1</b>	<b>1</b>	
Ramp-up	<b>1</b>	<b>1</b>	<b>V</b>	2H CY07	<b>1</b>	CY 2007+

Integrated in one chip

13-Mar-2007

# Infineon's ULC2 is Benchmark in Component Count and Footprint





E-GOLDvoice single-chip integrating:

- Baseband
- RF transceiver
- Power management
- SRAM

## ULC2 Highlights:

- In volume production
- Footprint: 4 cm<sup>2</sup>
- Component count:

#### **ULC2** features

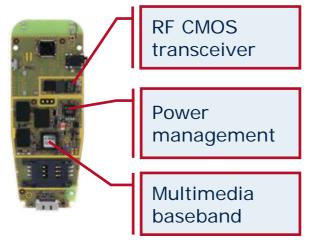
- Color display
- Text messages
- MP3 quality ring tones
- Applications such as integrated handsfree and speaking clock

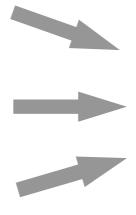
"Nokia aims to further improve the power performance in our entry level phones and reduce their size. Adding Infineon's single-chip solution to Nokia's portfolio of chipset suppliers helps us ensure access to optimized solutions. [...]"

Soren Petersen, Senior Vice President, Entry Business Unit, Nokia

# Introducing the MP-Elite EDGE Single-Chip Platform







#### S-GOLDradio single-chip integrating:

- Multimedia baseband
- RF transceiver
- Power management



2006 MP-E

#### MP-E and MP-Elite features:

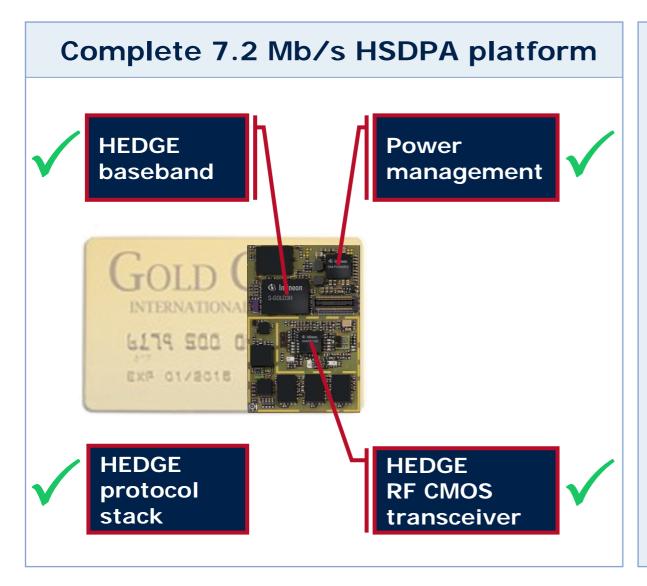
- Video and audio playback and recording
- Video streaming
- Dual color display
- Camera modules
- Enhanced security features

2007 MP-Elite

Up to 30% lower eBoM
Up to 20% lower footprint
15% lower component count

# Our 7.2 Mb/s HSDPA Platform MP-EH Enables Broadband Multimedia on Less Than 16 cm<sup>2</sup>





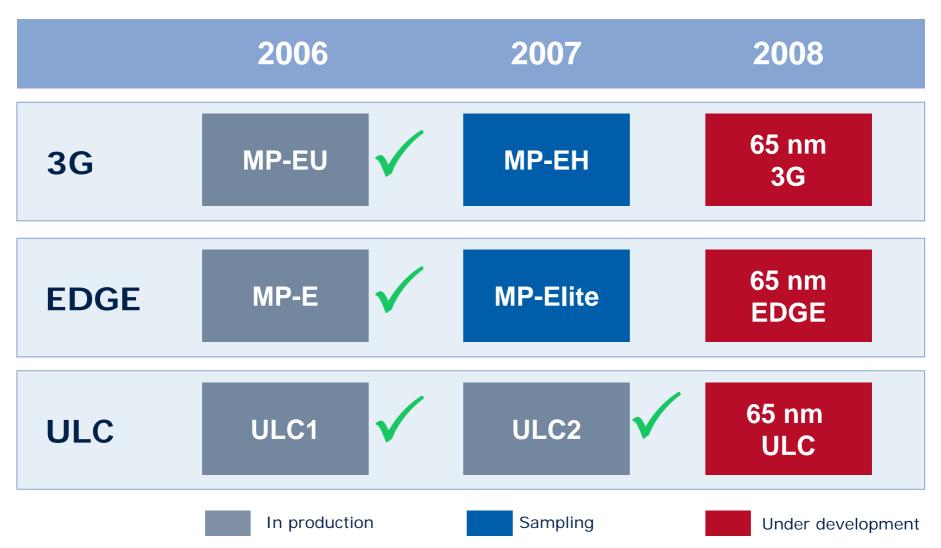
## MP-EH Highlights:

- Volume production start planned in 2007
- 7.2 Mb/s HSDPA
- Video streaming
- High-speed audio/video download
- Footprint: < 16 cm<sup>2</sup>

## Clear Path to 65 Nanometer



## Key mobile phone platform introductions



# Further Expanding Our Mobile Platform Customer Base



#### **Announced Mobile Phone Platform Customers**

July 2006

Oct. 2006

Feb. 2007

Nokia

## LG Electronics

Infineon Multimedia Platform Selected by LG Electronic for New EDGE Mobile Phones

17 Jul 2006

Munich, Germany, Infineon Technologies AG today announced that LG Electronics, Inc. (LGE), Seoul, Korea, has chosen Infineon as phone platform supplier for their new EDGE mobile handsets. Beginning with the recent introduction of new phones by LGE, the MP-E platform from Infineon will be used in a series of EDGE mobile phones from LGE, the number-four mobile phone supplier in the world.





#### Panasonic

Infineon's Multimedia Platform for Dual-mode Handsets Powers Newly Launched "SoftBank 705P" GPRS/UMTS 3G Phone for Japanese Market from Panasonic Mobile Communications

5 Oct 2006

Munich, Germany, Infineon Technologies AG, a leading provider of communication ICs today announced that its GPRS/UMTS multimedia platform powers Panasonic Mobile Communications Co., Ltd. newest commercially available Softbank 705P mobile handset which SOFTBANK MOBILE Corp. launched these days for the Japanese market.

# Phones 7 Feb 2007 Munich, Germany, Infineon Technologies today announced that Nokia has selected Infineon as a supplier of baseband and Planting Company a

Nokia Selects Single-Chip from Infineon for Entry Level Mobile

Infineon as a supplier of baseband and RF (Radio frequency) chips for GSM mobile handsets. The highly integrated single-chip E-GOLD™voice will be incorporated in selected future entry level phones from Nokia.

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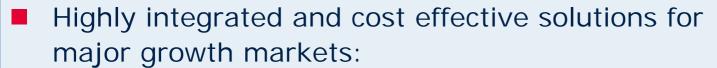
"In order to sustain our clear leadership position in this high volume sector, it is critical for Nokia to offer most competitive and cost-effective portfolio of mobile phones to consumers in new growth markets," said Soren Petersen, Senior Vice President, Entry Business Unit, Nokia. "Nokia aims to further improve the power performance in our entry level phones and reduce their size. Adding Infineon's single-chip solution to Nokia's portfolio of chipset suppliers helps us ensure access to optimized solutions for this important market."

Plus design-wins across our ULC, EDGE and 3G platforms at major new customers.

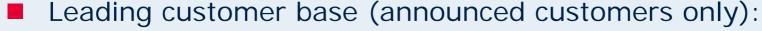
# Infineon Has All it Takes to Turn Around the Mobile Platform Business



- Technology leadership and wireless system competence:
  - □ RF CMOS leadership
  - ☐ Single-chip solutions for GSM, GPRS and EDGE
  - □ Complete 7.2 Mb/s HSDPA platform



- HSDPA
- EDGE
- ☐ ULC



- Nokia (ULC platform)
- □ Samsung (EDGE RF transceiver)
- LG (EDGE platform)
- □ Panasonic (3G platform)







# Infineon – Never stop thinking

