

NXP SEMICONDUCTORS ANALYST DAY

NEW YORK | APRIL 2016



SECURE CONNECTIONS
FOR A SMARTER WORLD



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In addition to providing financial information on a basis consistent with U.S. generally accepted accounting principles (“GAAP”), the Presentation also contains the following selected financial measures on a non-GAAP basis: (i) Gross profit, (ii) Gross margin, (iii) Research and development, (iv) Selling, general and administrative, (v) Other income, (vi) Operating income (loss), (vii) Operating margin, (viii) Financial Income (expense), (ix) Cash tax expense, (x) Results relating to equity-accounted investees, (xi) Net income (loss), (xii) Net income (loss) attributable to stockholders, (xiii) Weighted average shares –diluted, (xiv) Diluted net income (loss) attributable to stockholders per share, (xv) EBITDA, adjusted EBITDA and trailing 12 month adjusted EBITDA, and (xvi) non-GAAP free cash flow. The non-GAAP information excludes the amortization of acquisition related intangible assets, the purchase accounting effect on inventory and property, plant and equipment, merger related costs (including integration costs), certain items related to divestitures, share-based compensation expense, restructuring and asset impairment charges, process and product transfer costs, non-cash interest expense on convertible notes, extinguishment of debt, changes in the fair value of the warrant liability prior to January 1, 2016, foreign exchange gains and losses and the non-cash impact on income tax expense.

Management does not believe that these items are reflective of the Company’s underlying performance. The presentation of these and other similar items in NXP’s non-GAAP financial results should not be interpreted as implying that these items are non-recurring, infrequent or unusual. NXP believes this non-GAAP financial information provides additional insight into the combined business of NXP since its merger with Freescale as well as the Company’s on-going performance and has therefore chosen to provide this information to investors for a more consistent basis of comparison and to help them evaluate the results of the Company’s on-going operations and enable more meaningful period to period comparisons. These non-GAAP measures are provided in addition to, and not as a substitute for, or superior to, measures of financial performance prepared in accordance with GAAP. Reconciliations of these non-GAAP measures to the most comparable measures calculated in accordance with GAAP are provided in the financial statements portion of the quarterly earnings releases in a schedule entitled “Financial Reconciliation of GAAP to non-GAAP Results (unaudited).”

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AGENDA

8:00 – 8:30AM **RICK CLEMMER**
2016 Analyst Day Introduction

8:30 – 9:00AM **DAN DURN**
Financial Overview

9:00 – 9:15AM
Finance Q&A

9:15 – 10:45AM **RUDY STROH**
Security – Connectivity

10:45 – 11:00AM
Security – Connectivity Q&A

11:00 – 11:30AM
Break



AGENDA

11:30AM – 1:00PM **KURT SIEVERS**

Automotive

1:00 – 1:15PM

Automotive Q&A

1:15 – 1:30PM **RICK CLEMMER**

Summary and Q&A

1:30 – 2:30PM

Lunch with Management

2:30 – 3:30PM

NXP Product Demonstrations and
Management Discussions

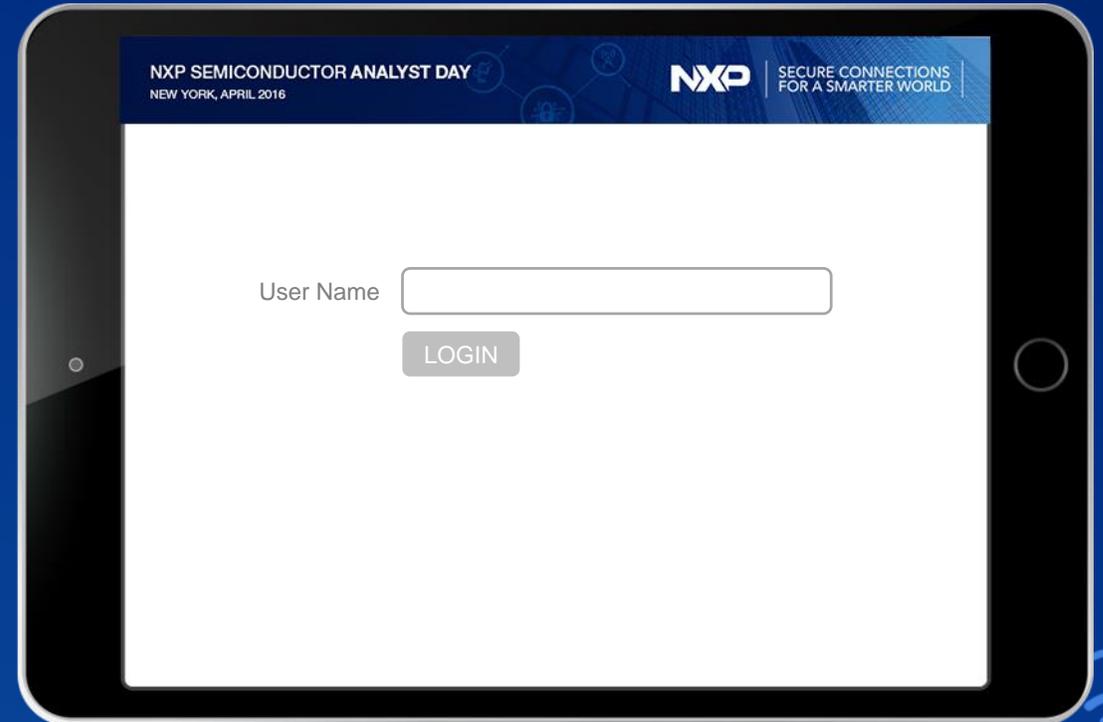


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NXP Semiconductors 2016 ANALYST DAY

RICK CLEMMER

President & Chief Executive Officer



Secure Connections for the Smarter World

Everything
Smart



40B+ devices with
intelligence shipped in 2020

Processing

Automotive

Everything
Connected



1B+ additional consumers online,
30B+ connected devices

Connectivity

Industrial

Everything
Secure



Potential economy savings
up to half trillion dollars

Security

Connected Devices

IoT

NXP Value Proposition



Multiple High Growth Markets + RMS >1.5x

PROFITABLE GROWTH



World-Class Expertise and Team

CUSTOMER-FOCUSED PASSION TO WIN



Operational Excellence + Benchmark Cost Structure

STRONG CASH GENERATION

MAXIMIZE SHAREHOLDER VALUE

The New NXP – Strategically and Financially Compelling



Solutions leadership

- Broad and diverse customer base
- Compelling cross-sell opportunity
- Complementary market reach



Growth in excess of market

- Accelerates “Secure Connections for a Smarter World” strategy
- Leader in automotive semiconductor
- Leader in broad-based MCU



Far superior earnings growth

- RMS focused growth
- Margin expansion driven by
 - Portfolio optimization
 - Cost synergy realization

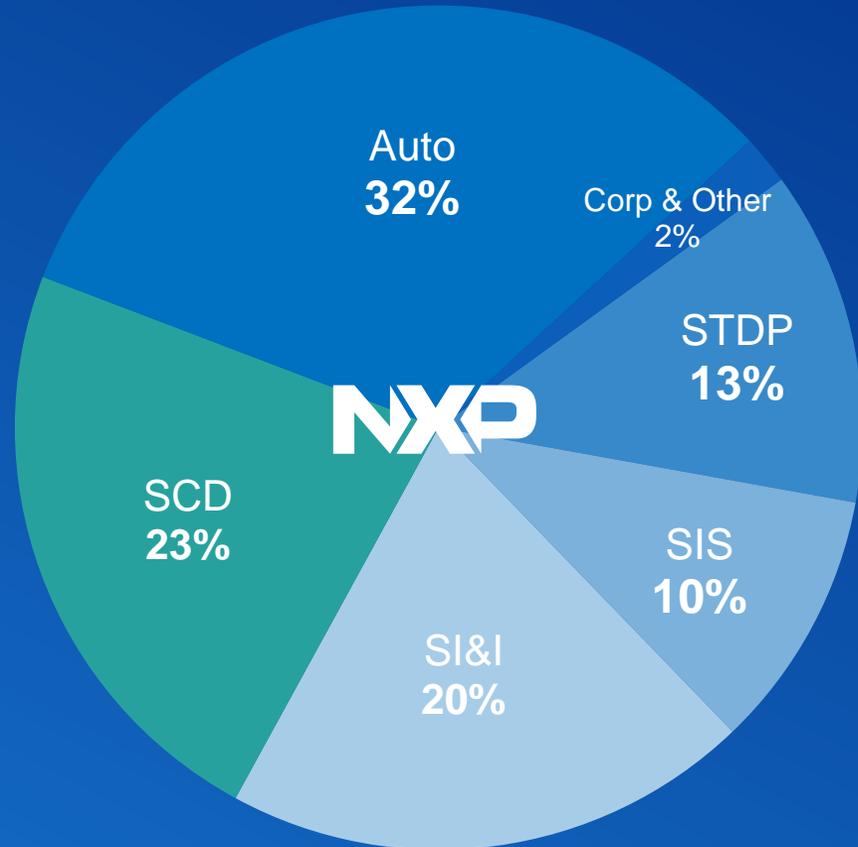


Shareholder value creation

- Focus on optimal capital structure
- Achieve 2x leverage
- Return excess free cash flow to shareholders

HPMS Market Leader with Sharper Focus, Broader Reach

**NXP Non-GAAP 2015 Adjusted Revenue
by Operating Segment**



NXP: the HPMS leader

- Deliver growth >1.5x market
- #5 global non-memory semi supplier
- #1 global auto semi supplier
- #1 non-auto MCU
- #1 secure identification

Focused on 2x the serviceable market

- Complimentary portfolios and customers
- Opportunities to cross sell
- Ability to deliver complete solutions

Deliver >1.5x market growth

RMS Philosophy – Focus on Product and Application Leadership

**NXP Non-GAAP 2015 Adjusted Revenue
by RMS Concentration**



Market Focus – achieve RMS > 1.5x

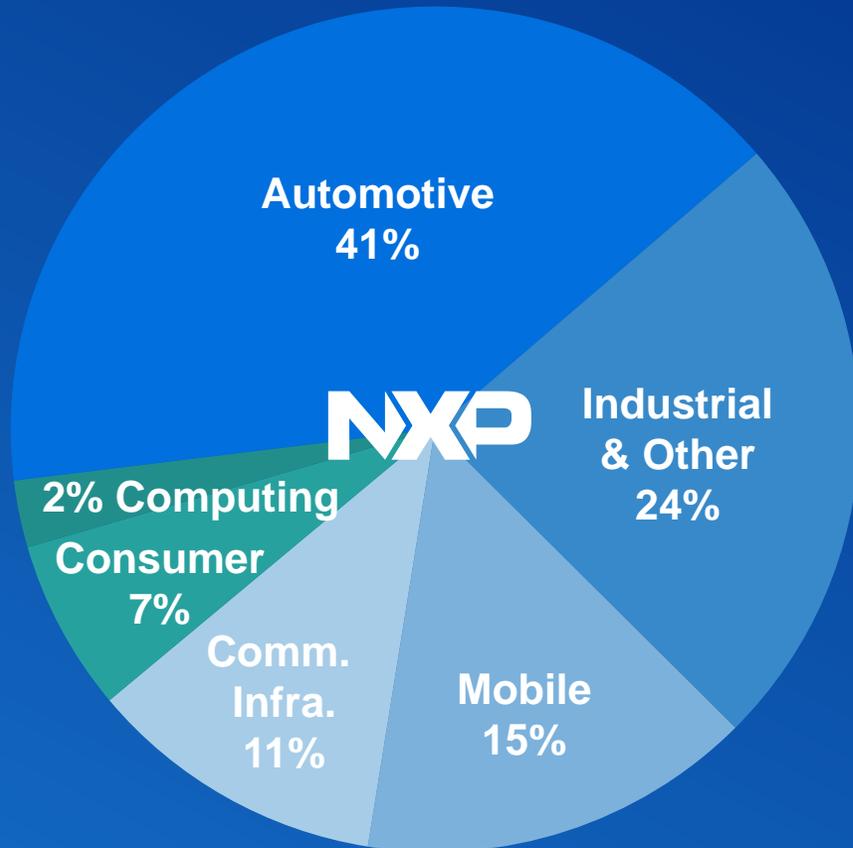
- Focus on large, faster growing markets
- Engage market leaders early
- Deliver product and application leadership
- Focused execution

Benefits of RMS leadership

- First mover advantage
- Out-grow, out-invest competition
- Drive disproportionate profit
- Thought leadership for OEMs
- Sustainable barriers to entry

Focused Leadership – End Markets

NXP Non-GAAP 2015 Adjusted Product Revenue by End-market Exposure



Broad end market exposure

- Long life cycles
- High barriers to entry
- Application expertise

Product leadership positions

- #1 Automotive
- #1 Non-auto MCU
- #1 Secure identification
- #1 Mobile transactions

Panasonic

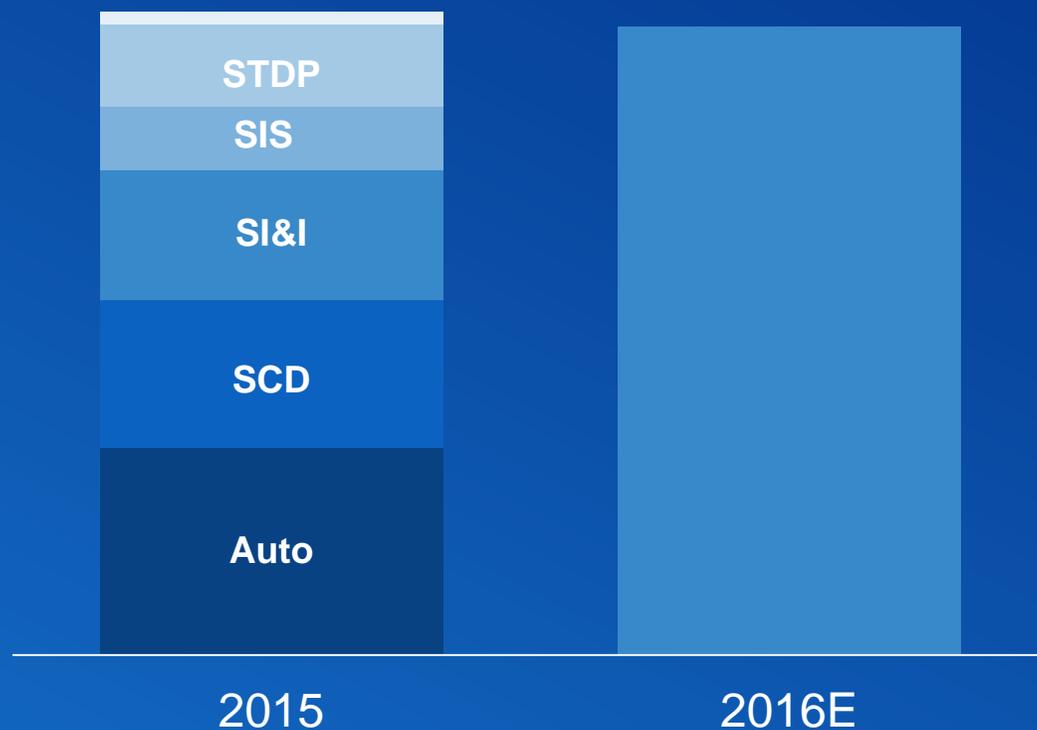
HARMAN



Focus to Drive Growth

NXP Non-GAAP Adjusted
2015 Revenue⁽²⁾

First Call Est.⁽¹⁾



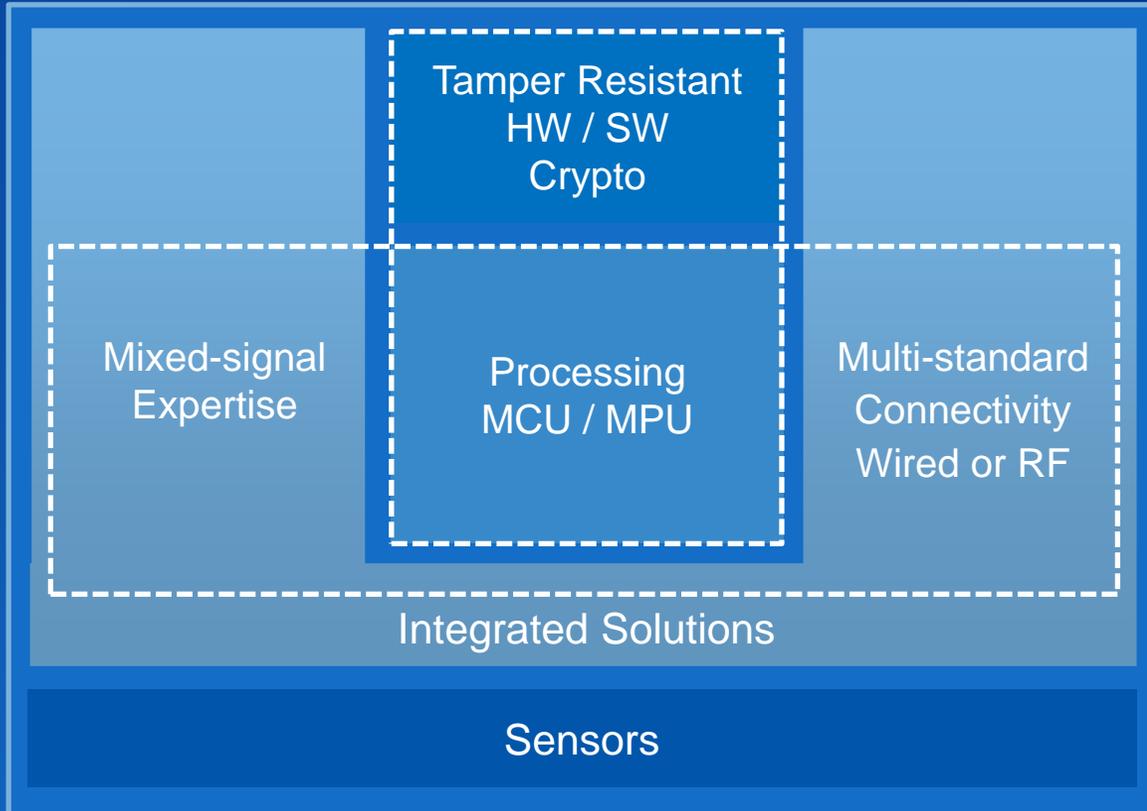
Strategic Focus

Auto	<ul style="list-style-type: none"> • Extend current leadership • Investment focus to ADAS and security
SCD	<ul style="list-style-type: none"> • Mobile Transactions: true leadership, transit • MCU: 32bit ARM leadership, drive applications • i.MX: solutions focus with security
SI&I	<ul style="list-style-type: none"> • Leverage high speed interface leadership, USB Type C • RF Power: leverage leadership, GaN, mMIMO • Digital Networking: WIP – focus investment
SIS	<ul style="list-style-type: none"> • Extend security leadership • Balanced participation in profitable end-markets • Leverage IP across entire portfolio

(1) First Call estimate as of April 19, 2016.

(2) Combined Non-GAAP Adjusted Revenue is the combined consolidated revenue of NXP and Freescale. The information excludes the divestment of previously announced businesses and the creation of joint-ventures. Please refer to the NXP Historic Financial Model file found on the Financial Information page of the Investor Relations section of our website at www.nxp.com/investor for additional information relative to our Non-GAAP Financial Measures.

Ability to Deliver Connected System Solutions



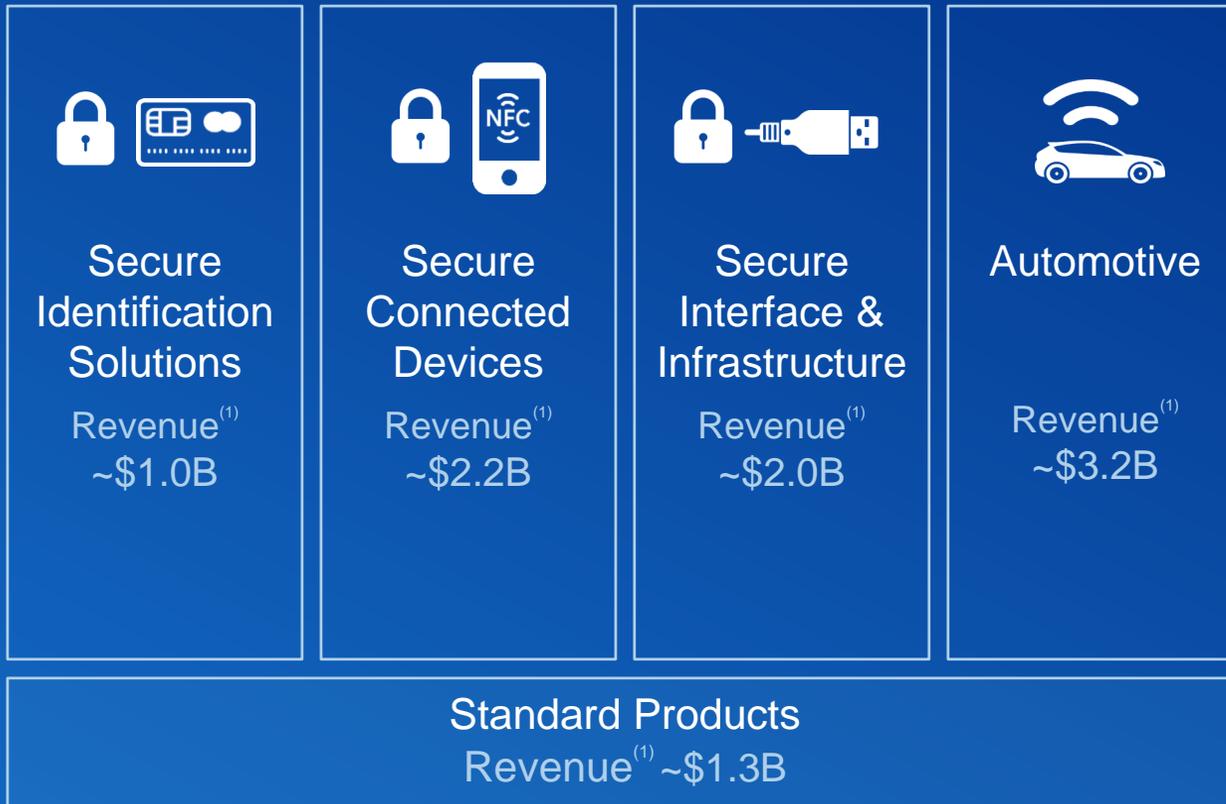
----- Axis of system level integration

Future connected device requirements

- Ultra-low power processing
- End-to-end security
- Ultra-low power connectivity
- Secure firmware, middleware, protocols
- Environmental sensing

The New NXP – Accelerating Secure Connections Vision

NXP – Product & Application Leadership



Leverage product leadership

- Leader in automotive
- Leverage security and MCU leadership

Pivot to application leadership / influence

- Evolution of secure ADAS solutions
- System requirements of IoT / Smarter World

Focused product and application leadership

- Drives growth >1.5x market
- Significant earnings power and cash flow

Communication Infrastructure – Solid Leadership

RF Power



Market position

- #1 Provider of PA solutions to BTS industry
- RF technology and innovation leader

Market strategy

- Invest to lead transition to GaN as market develops
- Capture thought leadership in mMIMO
- Drive system integration from baseband to antenna, spanning frequency & power
- Positioned for leadership in new white goods markets

Digital Networking



Market position

- #1 in communications segment in 2015

Market strategy

- Transition to faster growth segments – IoT, V2I
- Maintain leadership in packet acceleration and security

Recent market success

- Broad ARM/64 LS – portfolio well received
- Gaining share with ARM/64 in enterprise
- Control plane processor white box switching

Focus on Product and Application Leadership

APPLICATIONS FOCUS

TECHNOLOGY LEADERSHIP

	Auto Core	Auto ADAS	Mobile TX & Interfaces	Core ID	Industrial	Infrastructure	IoT
Hardware Security							
Software Security							
Processing							
RF Connectivity							
Wired Connectivity							
Analog Power Mgt.							
RF Power							

Focus on Product and Application Leadership

APPLICATIONS FOCUS

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RF Power							

NXP Value Proposition



True Leadership Driving RMS

FOCUSED ON RMS > 1.5x



Multiple High Growth Markets

PROFITABLE GROWTH



World-Class Expertise and Team

CUSTOMER-FOCUSED PASSION TO WIN



Operational Excellence + Benchmark Cost Structure

STRONG CASH GENERATION

MAXIMIZE SHAREHOLDER VALUE

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SECURE CONNECTIONS
FOR A SMARTER WORLD

A large, multi-story office building with a grid of windows is visible in the background, tinted in a lighter shade of blue. A sign on the top right corner of the building displays the NXP logo in green.

NXP

Financial Overview

DAN DURN

Executive Vice President and
Chief Financial Officer



NXP – Focused Industry Powerhouse

- **Leadership in high growth markets**
 - Portfolio drives above market growth opportunity
- **Target model drives superior growth**
 - ~15%+ Non-GAAP EPS growth
- **Strong cash flow**
 - Margin expansion + operating discipline = \$4B+ Non-GAAP Adjusted EBITDA⁽¹⁾
 - Low capital intensity
- **Total return strategy**
 - Disciplined capital allocation
 - Excess cash returned to shareholders



Focused Industry
Powerhouse



Portfolio Drives
Above Market
Growth Opportunity

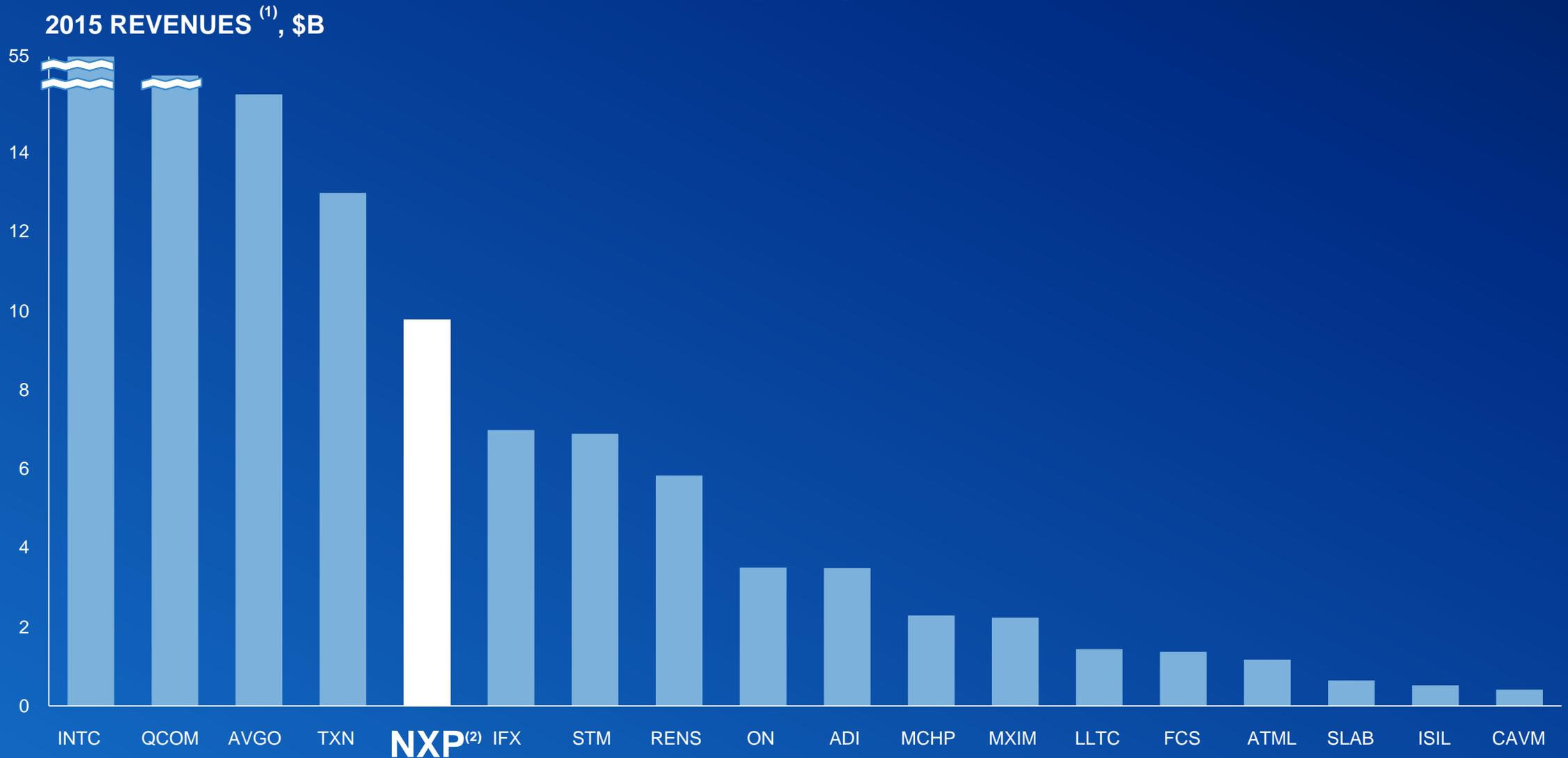


Target Model Drives
15%+ Non-GAAP
EPS Growth



Margin Expansion +
Operating Discipline
= \$4B+ Non-GAAP
Adjusted EBITDA

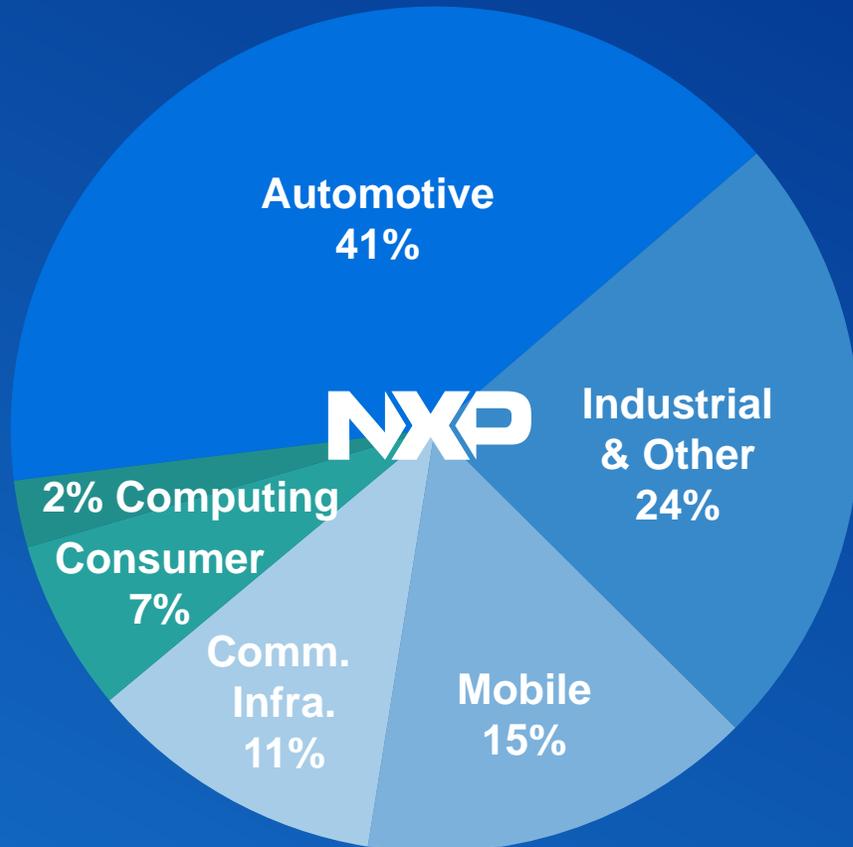
NXP – Top 5 Semiconductor Company



(1) Source: public filings (2) For NXP, reference is made to the Combined Non-GAAP Adjusted Revenue which is the combined consolidated revenue of NXP and Freescale. The information excludes the divestment of previously announced businesses and the creation of joint-ventures. Please refer to the NXP Historic Financial Model file found on the Financial Information page of the Investor Relations section of our website at www.nxp.com/investor for additional information relative to our Non-GAAP Financial Measures.

Focused Leadership – End Markets

NXP Non-GAAP 2015 Adjusted Product Revenue by End-market Exposure



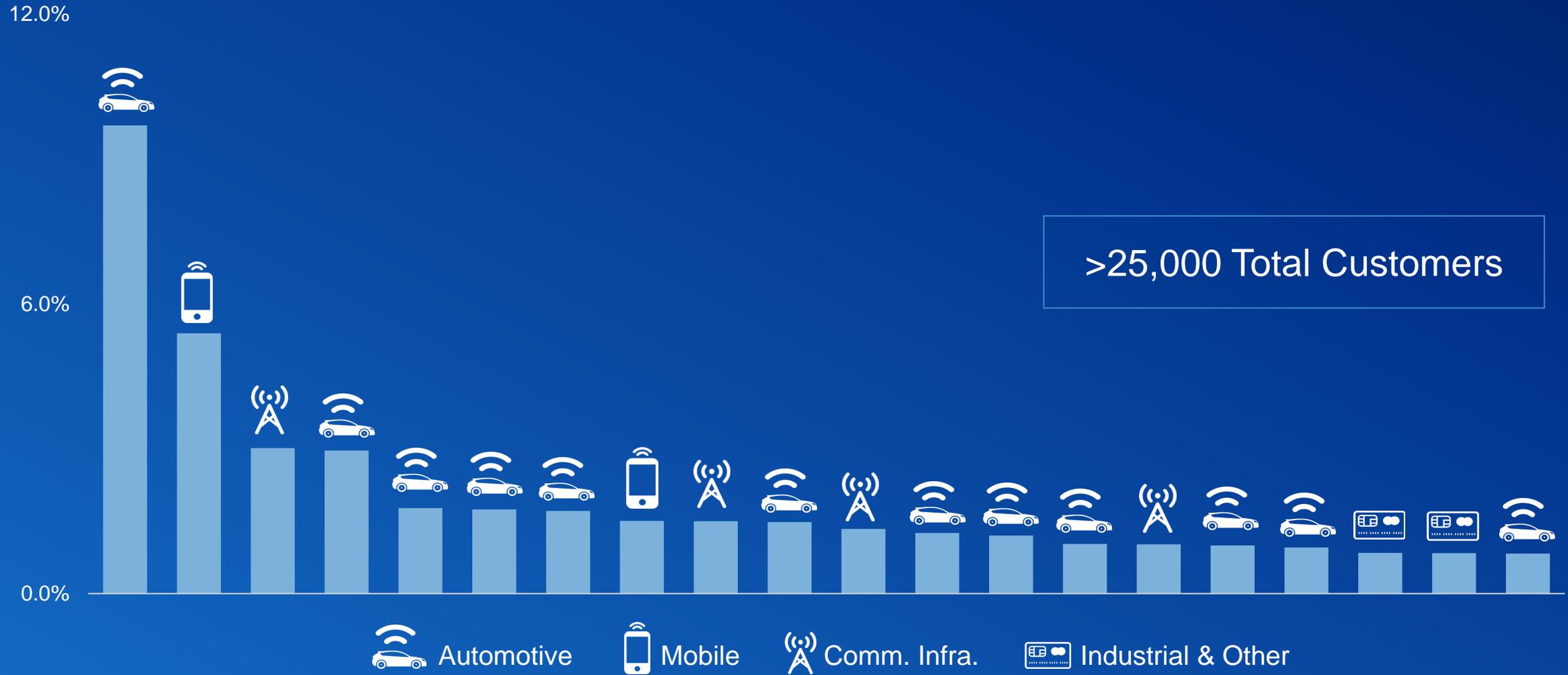
Broad end market exposure

- Long life cycles
- High barriers to entry
- Application expertise

Product leadership positions

- #1 Automotive
- #1 Non-auto MCU
- #1 Secure identification
- #1 Mobile transactions

Top 20 Customers ~40% of 2016E Revenue ⁽¹⁾



Merger Momentum



Driving synergy capture

- \$200M in 2016; \$500M in 2017
- Management team integrated and executing
- Product roadmaps aligned
- High customer engagement
- Portfolio attracting new customers
- Early cross sell and solutions success

**Industry powerhouse with diversification, scale
and above market earnings growth potential**



Focused Industry
Powerhouse



Portfolio Drives
Above Market
Growth Opportunity



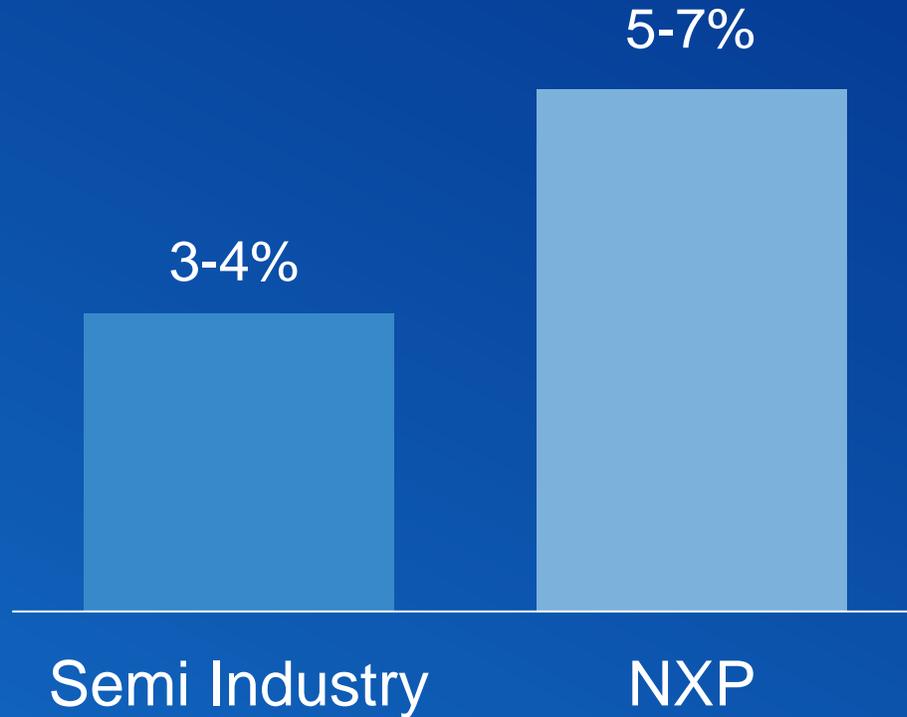
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Driving Above Market Growth Opportunity

Expected Growth 2016E – 2019E



Outgrow the broader market by >1.5x

- Leverage portfolio scale and reach
- Aligned with key market drivers
 - Auto: ADAS, security and infotainment
 - Everything smart, secure and connected
- High growth – high profit segments



Focused Industry
Powerhouse



Portfolio Drives
Above Market
Growth Opportunity



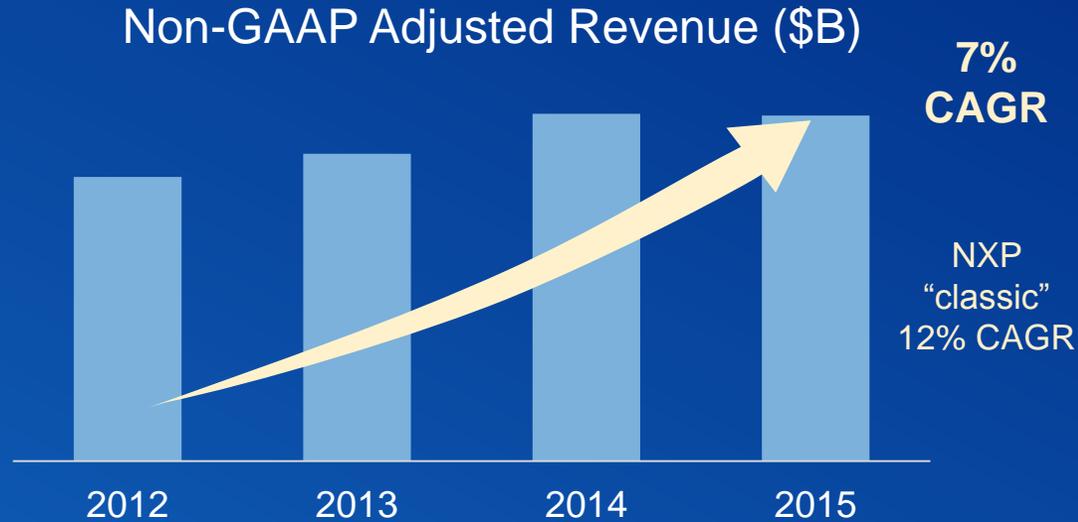
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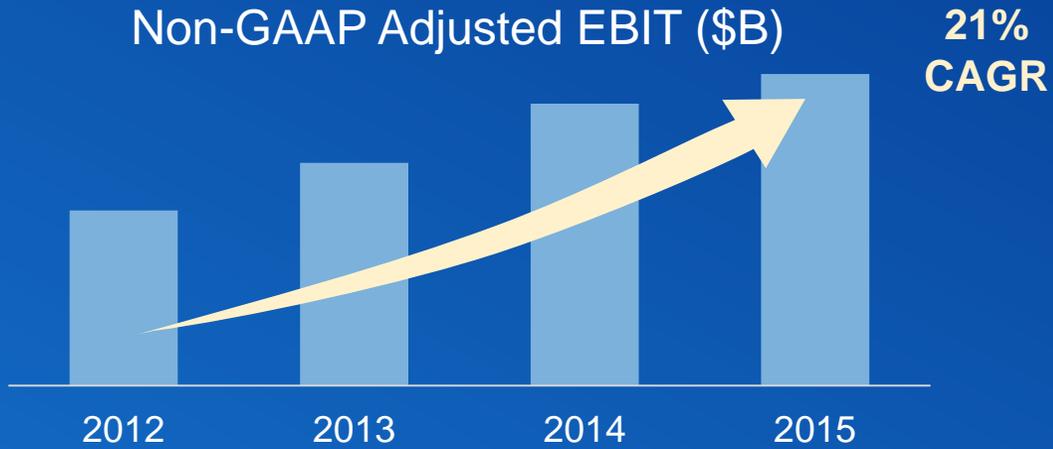
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Generating Significant Shareholder Value

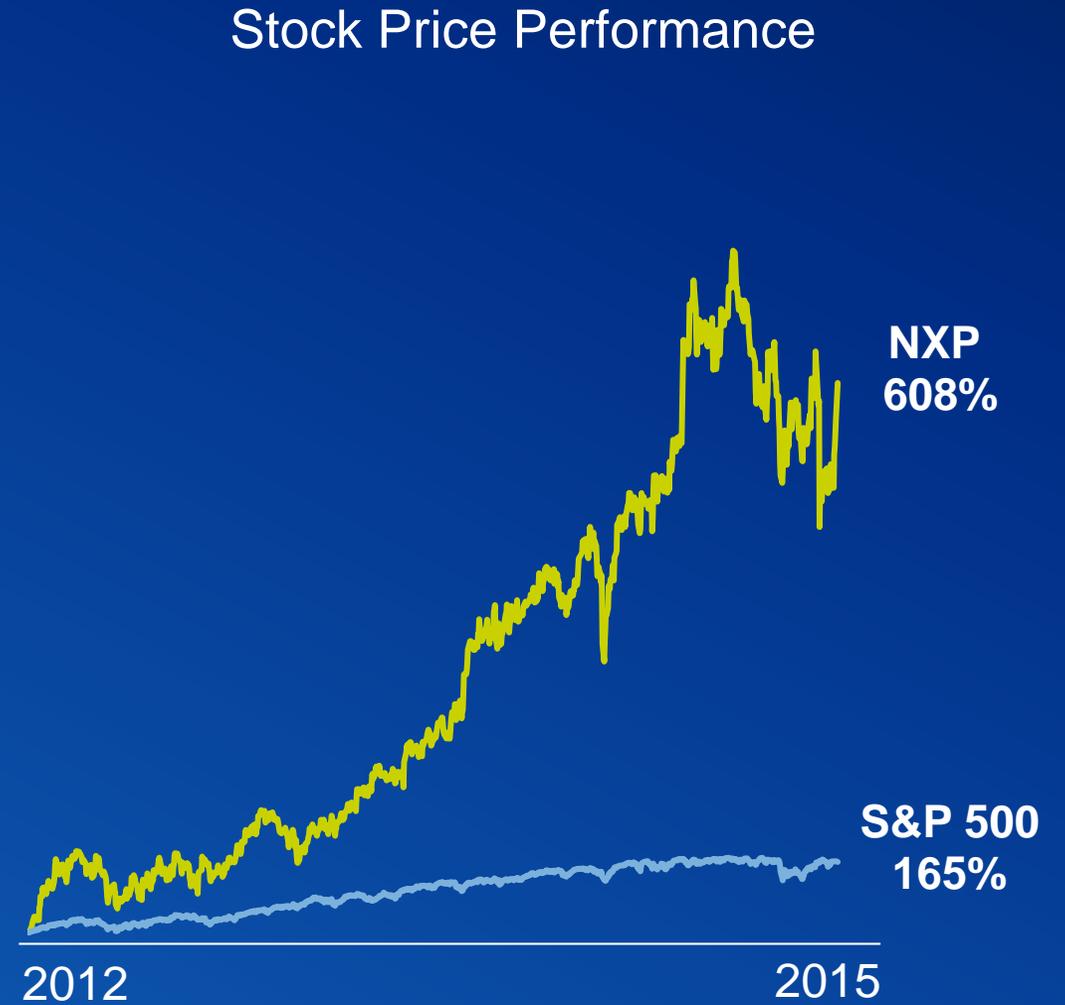
Non-GAAP Adjusted Revenue (\$B)



Non-GAAP Adjusted EBIT (\$B)



Stock Price Performance



Starting From a Position of Strength

Annualized 1Q15 (\$M)⁽¹⁾

Non-GAAP Revenue	\$9,960
Non-GAAP Gross Profit	\$4,764
<i>Non-GAAP Gross Margin</i>	47.8%
Non-GAAP EBIT	\$2,252
<i>Non-GAAP EBIT Margin</i>	22.6%

Complementary product portfolio

- Enabling increased share of wallet
- Growth above market

Improve gross profit

- \$100 million of cost synergies in COGS
- FSL “classic” operational improvement

EBIT expansion

- \$500 million of total cost synergies
- NXP “classic” OpEx discipline

Compelling Financial Model

	2016E – 2019E
Focused Market Growth⁽¹⁾	3 - 4%
NXP Growth⁽¹⁾	5 - 7%
Non-GAAP Gross Margin	51 - 55%
<i>R&D</i>	13 - 15%
<i>SG&A</i>	6 - 8%
Non-GAAP EBIT Margin	30 - 33%
Non-GAAP EPS Growth⁽¹⁾	~15%+
Non-GAAP Adjusted EBITDA 2019E	\$4B+

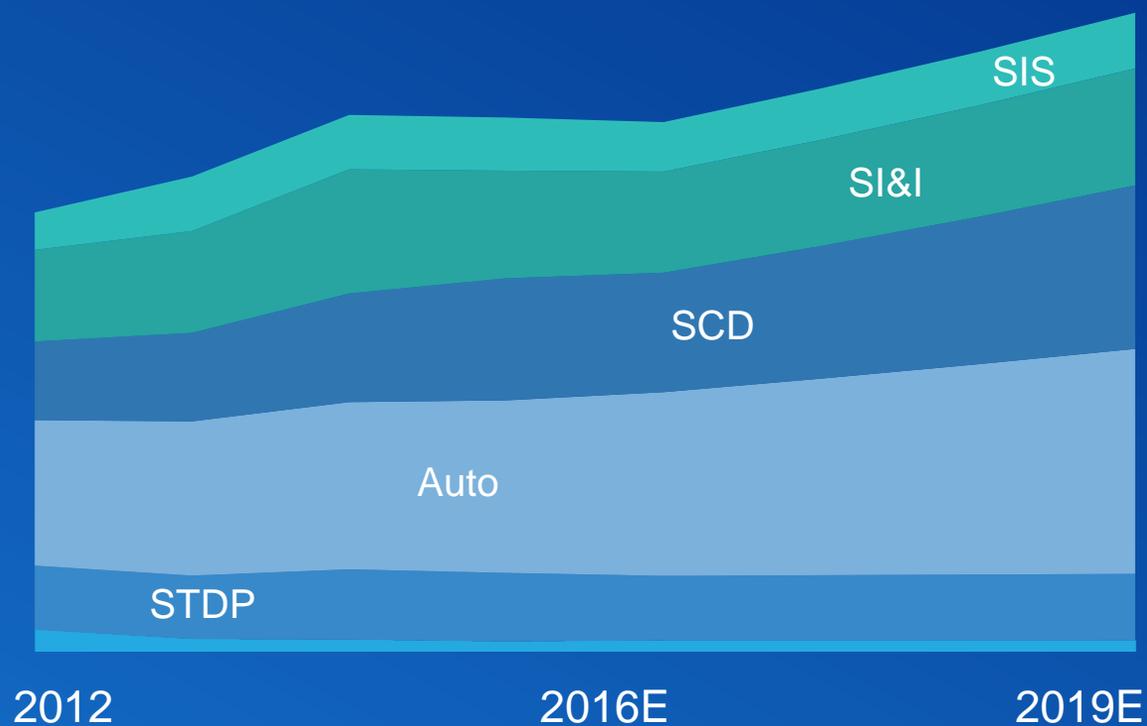
NXP Non-GAAP Financial Model

	HPMS	STDP	NXP
Non-GAAP GM%	54 - 58%	30 - 34%	51 - 55%
Non-GAAP R&D%	14 - 16%	3 - 4%	13 - 15%
Non-GAAP SG&A%	6 - 8%	6 - 8%	6 - 8%
Non-GAAP EBIT%	32 - 35%	20 - 24%	30 - 33%

Assumptions

- NXP growth >1.5x industry
- Significant margin improvement
 - R&D investment driving future growth
- Additional metrics
 - Tax
 - 2016E: ~\$20M / Qtr
 - 2017E: ~\$35-\$40M / Qtr
 - 2018E/19E: ~10% / ~12%
 - SBC / year
 - 2016E/19E: ~\$350M / ~\$275M
 - Capex: ~5% of revenue
 - Leverage: <=2x by 2Q17

Operating Segment Growth Rates



2016E - 2019E CAGR

HPMS	Up mid to high single digit
<i>Auto</i>	Up mid to high single digit
<i>SIS</i>	Up low to mid single digit
<i>SCD</i>	Up low double digit to mid teens
<i>SI&I</i>	Up mid to high single digit
STDP	Growth in line with discrete market
Total	5 - 7%



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Powerhouse



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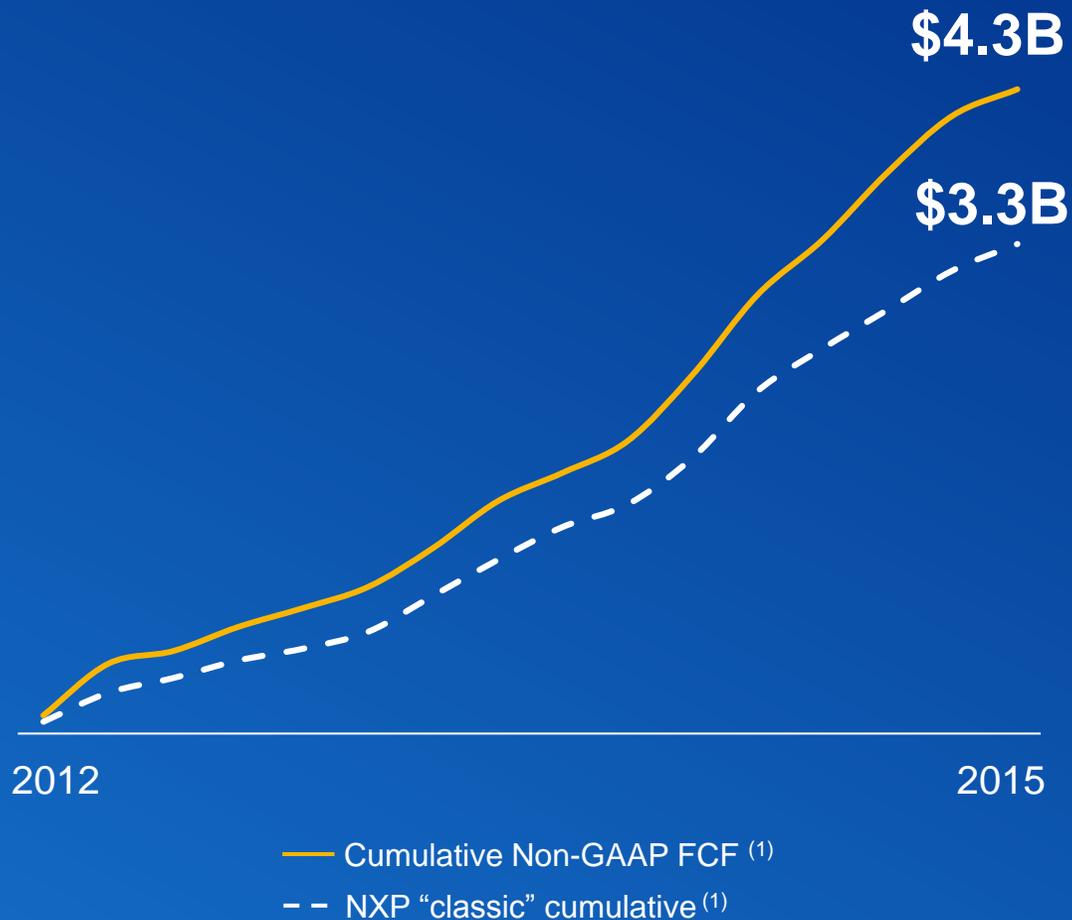
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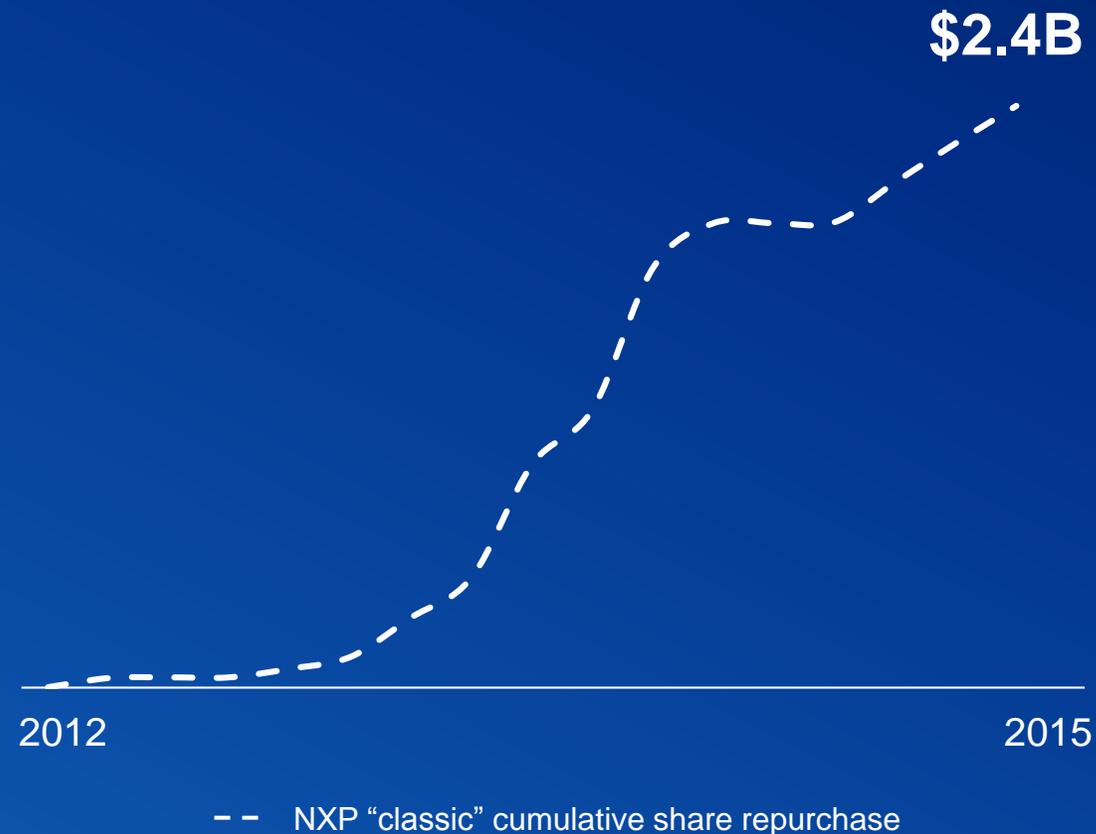
Margin Expansion +
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= \$4B+ Non-GAAP
Adjusted EBITDA

Strong Free Cash Flow and Capital Returns

Non-GAAP FCF Generation



Share Repurchases



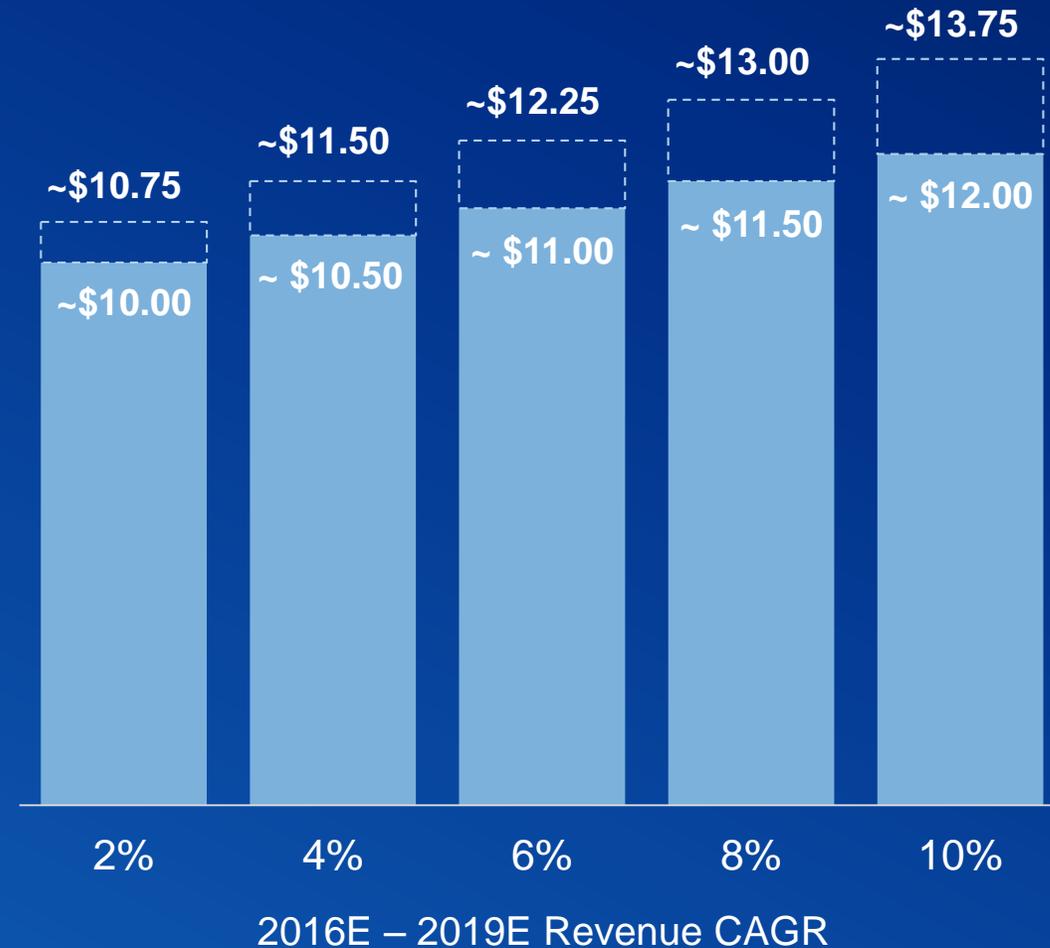
1) Combined Non GAAP Free Cash Flows is the combination of Non GAAP Free Cash Flows of NXP and Freescale. Non GAAP Free Cash Flows of NXP represent Net cash provided by (used for) operating activities less net capital expenditures on property, plant and equipment. Non GAAP Free Cash Flows of Freescale represent Net cash provided by (used for) operating activities, less capital expenditures on property, plant and equipment, less excess tax benefits from share-based compensation. Please refer to the NXP Historic Financial Model file found on the Financial Information page of the Investor Relations section of our website at www.nxp.com/investor for additional information relative to our Non-GAAP Financial Measures.

2019E – Illustrative Sensitivities to Revenue Growth

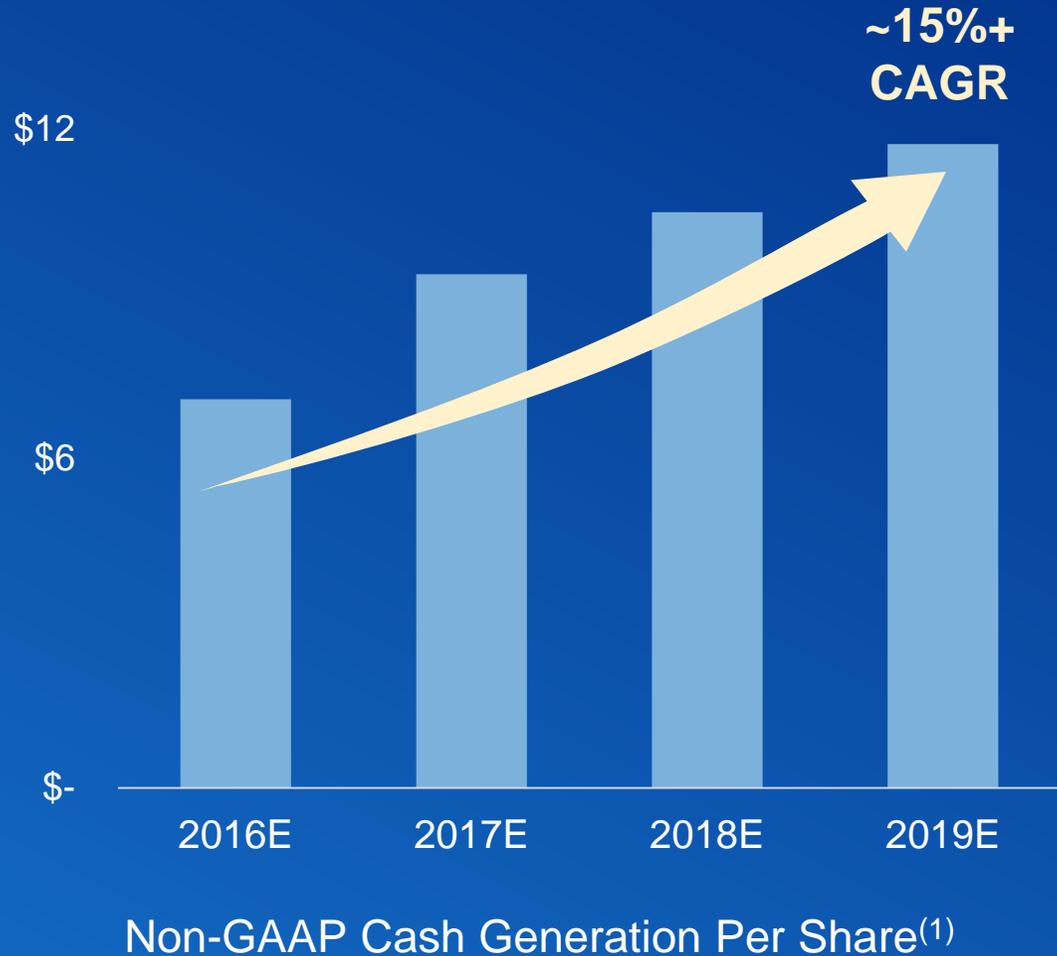
Non-GAAP Earnings / Share



Cash Generation / Share



Total Return Strategy



Creating long term shareholder value

- Cash generation yield: ~30 – 33%
- Disciplined capital allocation
- Debt reduction – target 2x leverage
- Continue aggressive share repurchase
- Implement dividend exiting 2017

Focus on Driving Execution

- Deliver on synergy targets
- Execute on margin expansion
- Drive R&D – fuel growth
- Shaping a high performing culture

Revenue CAGR	5-7%
Non-GAAP Adj. EBITDA	\$4B+
Non-GAAP EPS CAGR	~15%+

**Industry powerhouse with diversification, scale
and above market earnings growth potential**



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NXP

Secure Connections for a Smarter World

RUDY STROH

Executive Vice President and General Manager



AGENDA

01 INTRODUCTION

02 SECURITY AND CONNECTIVITY LEADERSHIP

03 EMBEDDED PROCESSING LEADERSHIP

04 SUMMARY & OUTLOOK



Accelerating Secular Trends Drive Growth Opportunities

Everything Smart



40B+ devices with intelligence shipped in 2020

Processing

Everything Connected



1B+ additional consumers online, 30B+ connected devices

Connectivity

Everything Secure



Potential economy savings up to half trillion dollars

Security

Outgrowing the Market through Technology & Application Leadership

Deep Application & System Knowledge



Ecosystem Relationships



Trusted Advisor



Thought Leadership



Payments



Secure
Identification



Mobile
Transactions



Wearables



Smart
Home



Smart
Cities



Smart
Industry



Smart
Objects

Product & Technology Leadership



Processing



Connectivity



Security

Unique Capability to Serve Diverse Customer Base

Position of Strength

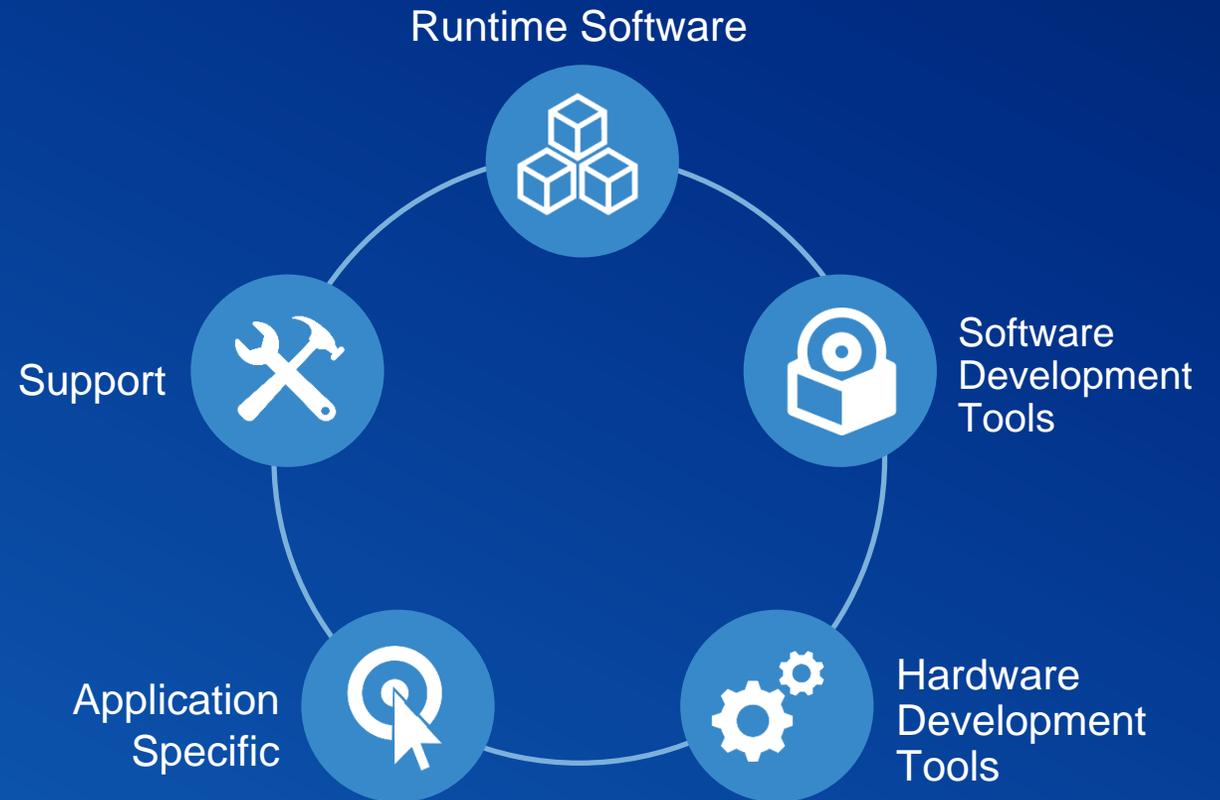
NXP + **freescale**

25k+ end customers

#2

High performance mixed signal
**semiconductor supplier
to distribution**

Unique Customer Enablement



Immediate Cross-Sell Opportunities Based on Combined Portfolio

Example

Point-Of-Sales (POS)



NXP + **freescale**

One-Stop-Shop
Easy to Design NXP

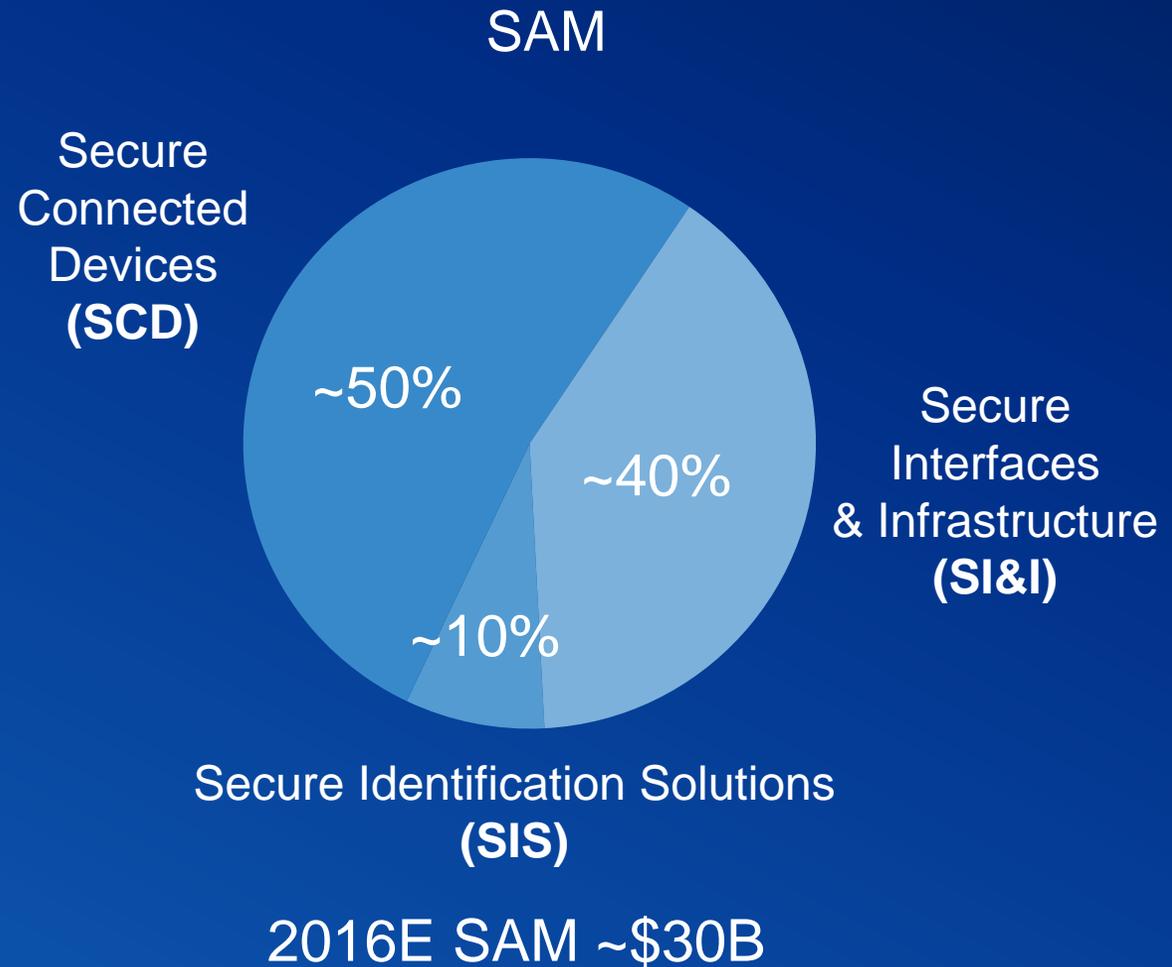
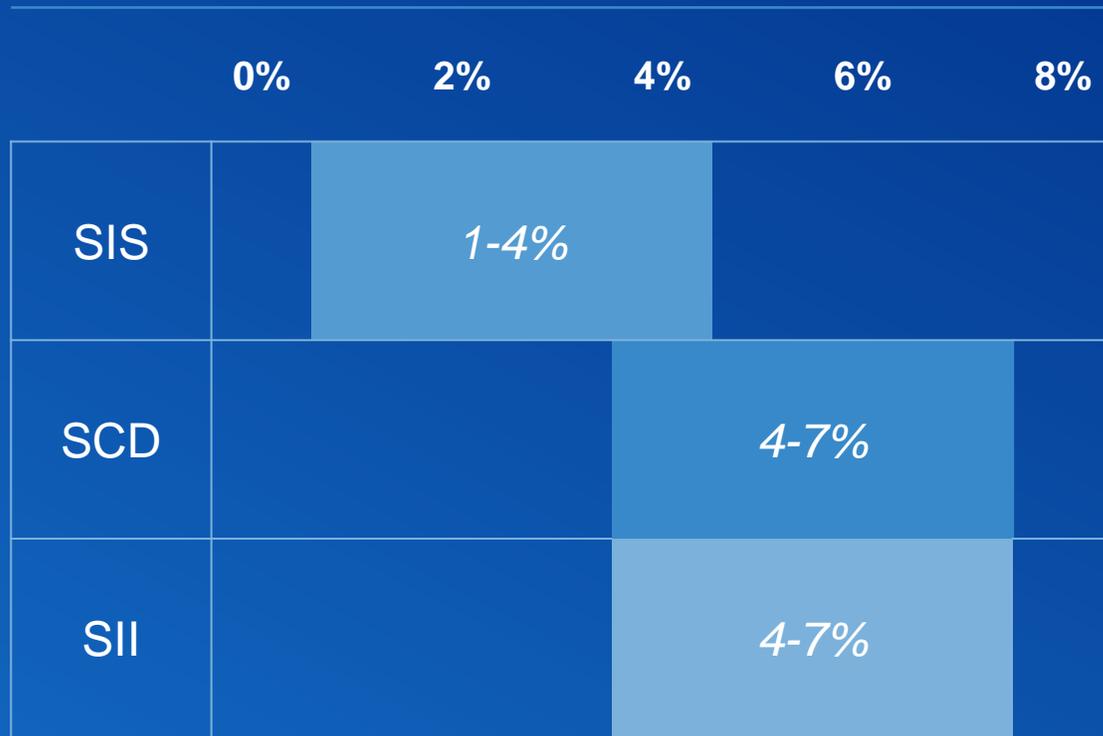
Applications

Deep System Knowledge



SAM Outgrows the Semiconductor Industry

2016E – 2019E
SAM, 3-Year CAGR



Technology & Application Markets Mapped to Operating Segments

Secure Identification Solutions (SIS)



Payment Cards



Secure Identification



Smart Cities



Smart Objects

Certified Secure MCU	Secure Keys	Crypto accelerators
Secure OS & Applets	Contactless	Multi-Application
Trust Provisioning	Biometric Authentication	LH, HF, UHF, NTAG
Tamper detection	MIFARE	DESFire

Secure Connected Devices (SCD)



Mobile Transaction



Smart Home



Wearables



Industrial

BLE	NFMI	eSE
NFC	ZigBee / Thread	MCU
Application Processor	eUICC	Secure Keys
Secure OS	Loader Service	Service Management

Secure Interfaces & Infrastructure (SI&I)



Wired Connectivity



Wireless Infrastructure



Digital Networking

Authentication	High-Speed Switches	AC-DC
I2C	OVP / Load switch	USB PD PHY
Re-timer	Direct Charging	LNAs
WLAN FEIC	Power Amplifier	Digital Networking

AGENDA

01 INTRODUCTION

02 SECURITY AND CONNECTIVITY LEADERSHIP

03 EMBEDDED PROCESSING LEADERSHIP

04 SUMMARY & OUTLOOK



Leading in Payment Cards and Secure Identity

Technology Leadership

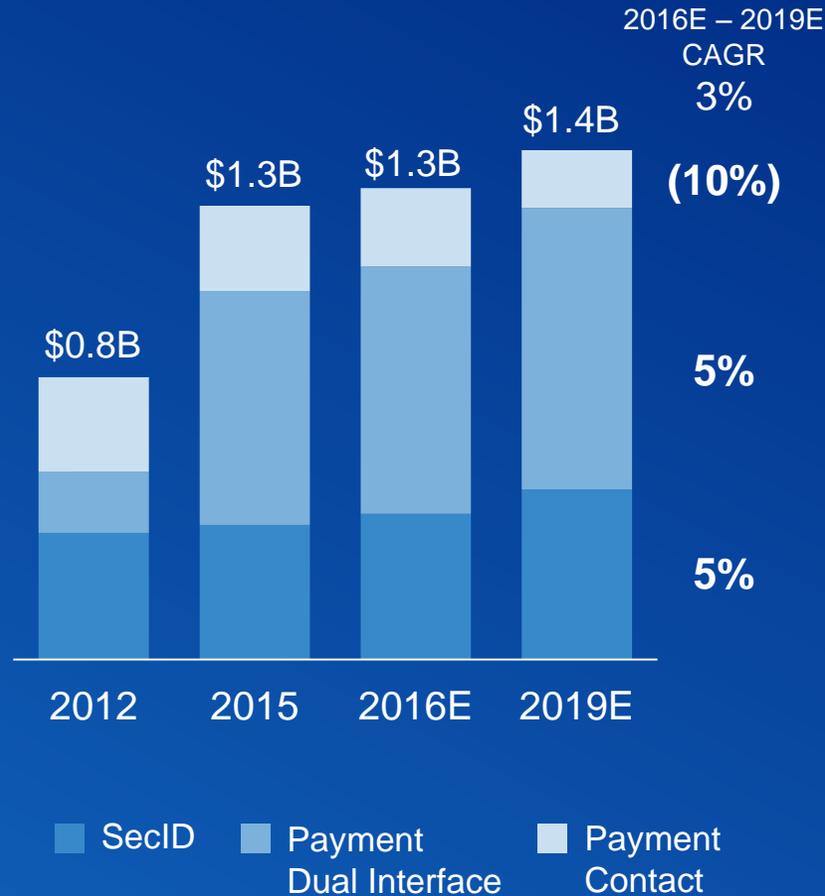


True Leader

RMS > 1.5

- Contactless performance
- Advanced security
- Richest portfolio

Market (\$B)



Key Drivers

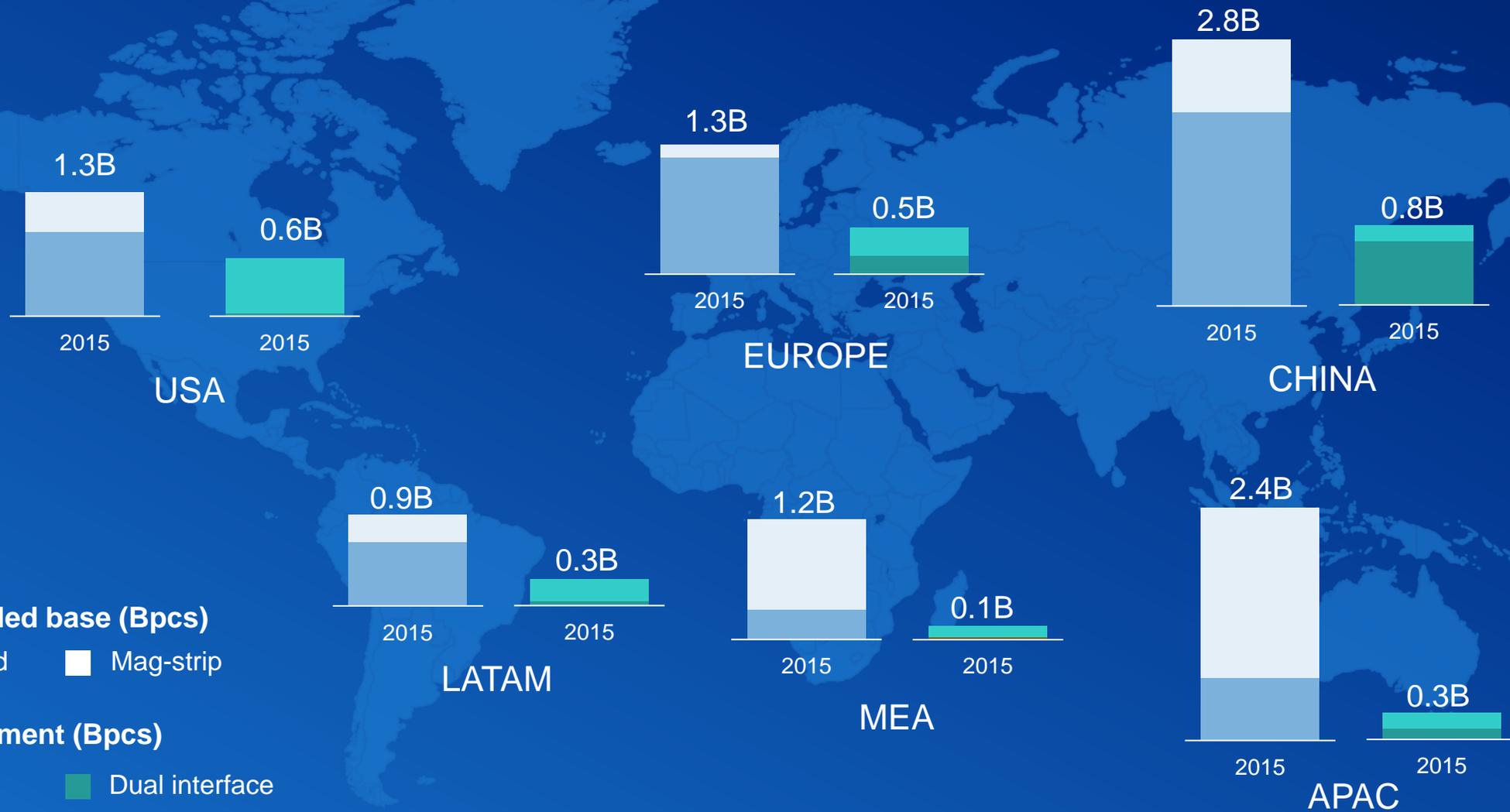
Payment

- EMV migration
- Transition to dual interface

Secure identity

- Digitization of documents
- Adoption of national eID
- Government spending

Continued EMV Migration and Dual Interface Transition



World Leader in Smart Cities & Smart Objects

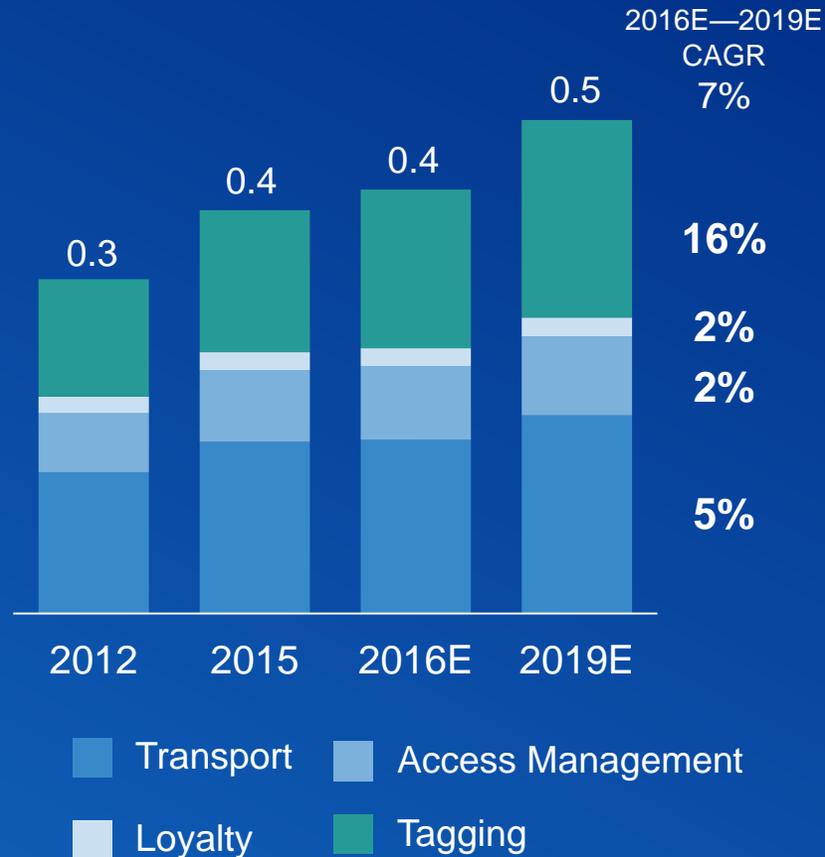
Technology Leadership



True Leader
RMS > 1.5

- #1 in smart cities application
- #1 tagging applications
- Complete LF to UHF portfolio

Market (\$B)



Key Drivers

- Multi-applications migration require shift to MCU-based solutions in smart mobility
- UHF retail and NFC brand engagement driving growth in tagging market

Leader and Trusted Partner in Secure Identification Solutions

Technology Leadership



SmartMX

- #1 in secure identification
- #1 in payment card
- #1 in transit application
- #1 tagging applications
- Contactless performance
- Advanced security
- Richest portfolio

Ecosystem Relationships



Relationships with all players

- Financial institutions
- National printing houses
- Transport operators
- System integrators
- Certification bodies
- Retailers
- Card & label manufacturers
- Inlay manufacturers

Trusted Advisor



Trusted solution partner

- Governments
- Top tier banks
- Public transport authorities
- Municipalities
- Standard bodies
- Driving convergence
- Enable emerging applications

Physical & Functional Security Leadership

Security

Differentiation

Physical Security



NXP
SmartMX

Hardened
Silicon

Tamper Resistant Circuits



Software Immune
to Fault Injection

Functional Security



MCUs, i.MX & LayerScape
Apps Processors

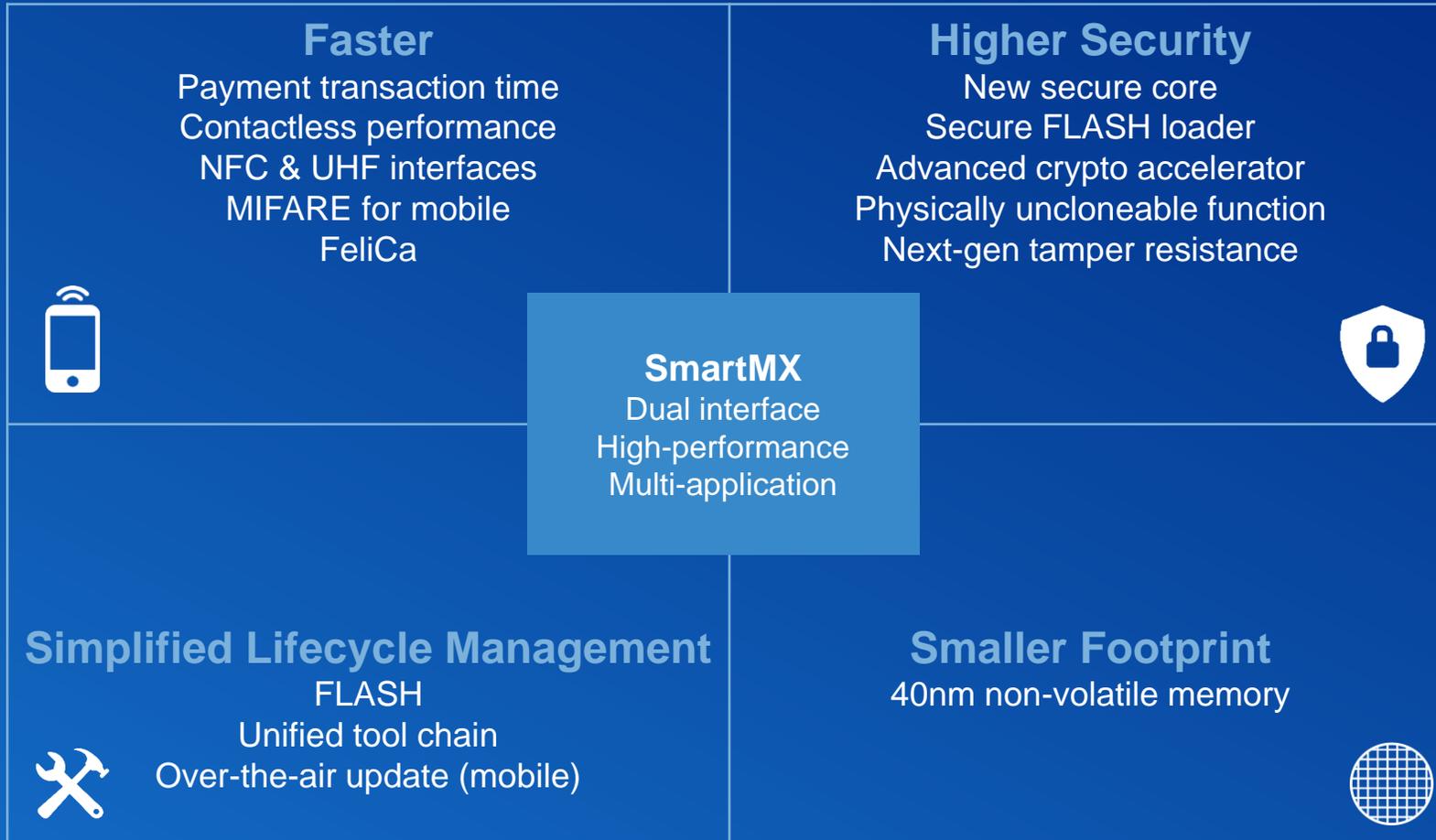


Cloud
Services

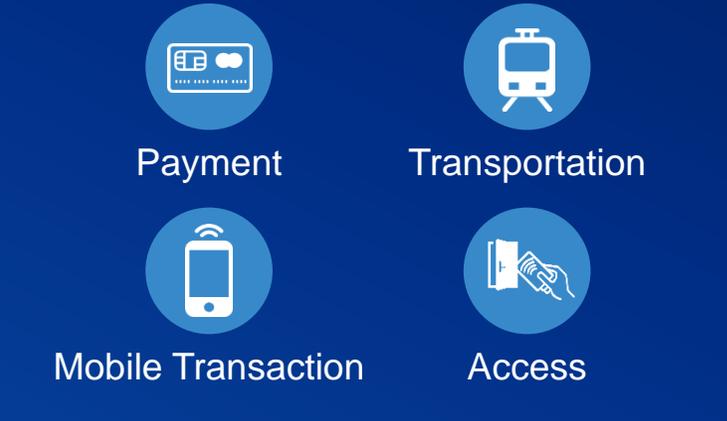
- Leader in tamper proof, physically secure MCU & tags
- Cards and devices resistant against physical attacks
- Enabling secure edge to cloud communication
- Industry certified hardware & software security
- Cryptographic blocks
- Trusted execution environment

Innovation in Secure Microcontroller for Smart Card and Mobile Transactions

Technology



Application



Ecosystem



Proximity Technology – World Leader in NFC



Application



Identification



Payment



Transit



Access



Mobile



Wearables

Providing best end-user experience

- Highest Tx power and lowest Rx sensitivity enable
 - Highest degree of flexibility for antenna form factors
 - Best operating distance
- Seamless interoperability in the field
- Fastest secure contactless transaction time
- NXP NFC software the reference in all major OS

Mobile Transactions: Continued Growth From Increasing Attach Rate

Technology Leadership



True Leader

RMS > 1.5

- #1 in NFC/eSE solutions
- #1 in contactless readers
- Seamless interoperability

eSE/NFC Market Penetration



Key Drivers

Continued eSE/NFC penetration

- Adoption on lower-end smartphones
- Use-case expansion into transit

China Leads in Mobile Transit

WW Mobile Ticketing Market



1-3B
Mobile Tickets
by 2019

- Easy & seamless
- Care-free commute
- Improved user experience

China Readiness

CONSUMER
CONTACTLESS HABIT
is already there



ECOSYSTEM
READY



Top 10 City Adoption

Trusted Partner & Advisor



Trusted Partner for Mobile Transactions

Technology Leadership



Recognized leader

- #1 in NFC/eSE solutions
- #1 in contactless readers
- Seamless interoperability

Ecosystem Relationships



Relationships with all players

- Easy access for service providers
- Support for infrastructure operators



Trusted Advisor

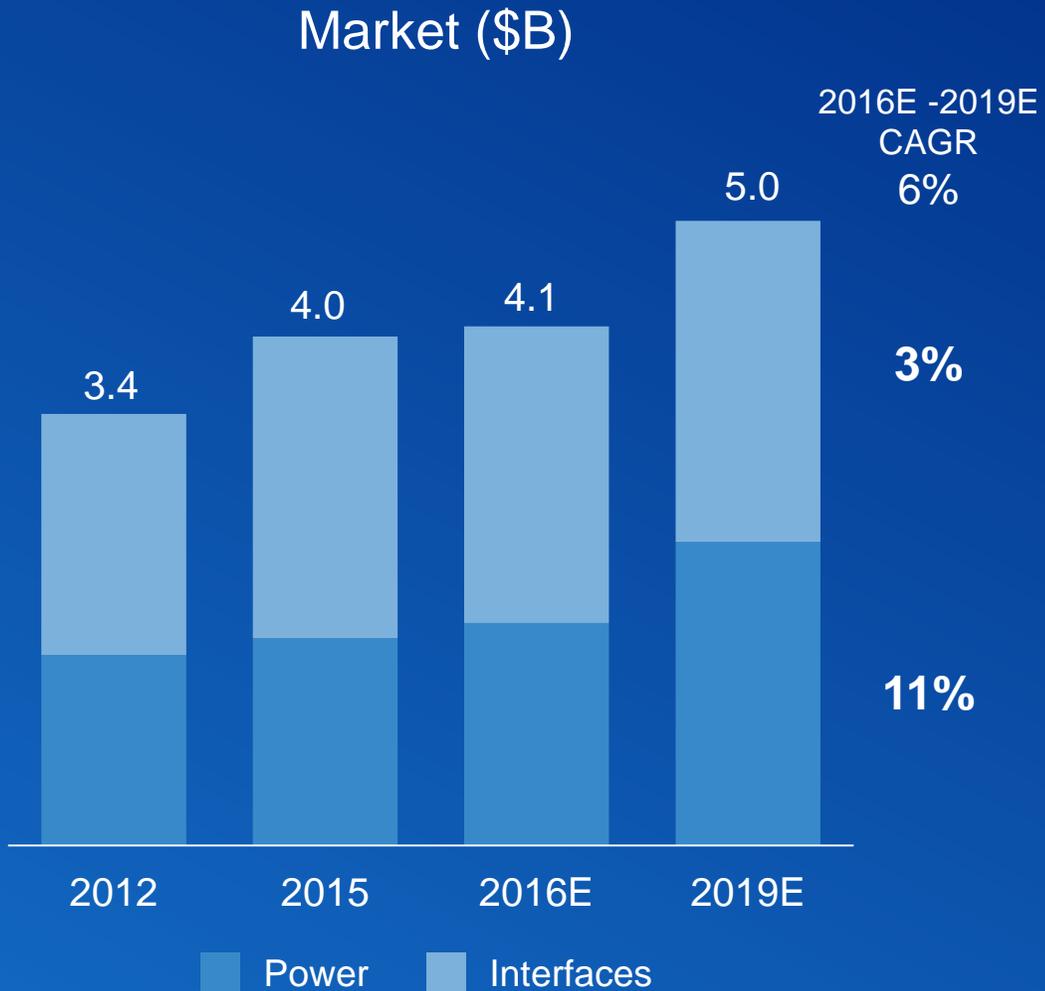


Easy to design in NXP

- Educated all mobile OEMs
- Reference design platform
- Supporting China mobile transit



Wired Data & Power Delivery – Complete Technology Portfolio



Application



Mobile



Charging



Computing
Servers



Industrials

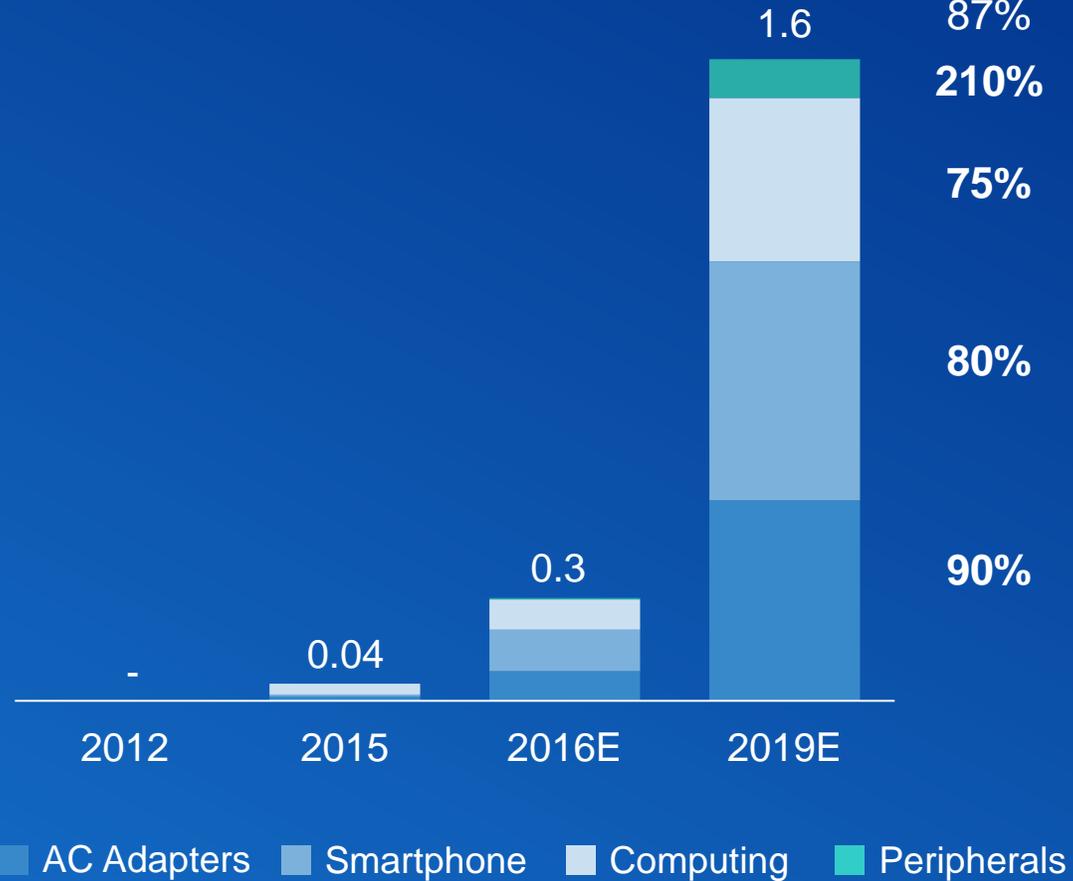
Full portfolio offering

- Industry leader in high-speed (e.g. switches, re-timer)
- Efficient power delivery (e.g. AC-DC, controllers)
- Wired authentication

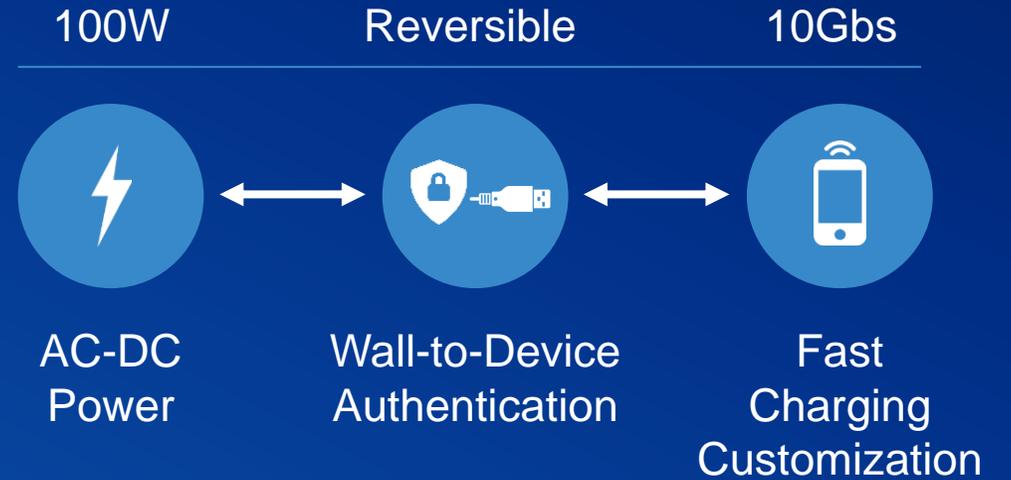
Mobile Fast Charging and Seamless Connectivity Enabled by USB Type-C

Market (\$B)

2016E -2019E
CAGR
87%



Application



End-to-end solution

- Complete portfolio from wall-to-device
 - Industry leader in high-speed (switches, re-timer...)
 - High voltage process technology
 - Highest power density (AC-DC, controllers, USB PD...)
 - Secure authentication enables safe charging
- Proven expertise in custom mobile solutions

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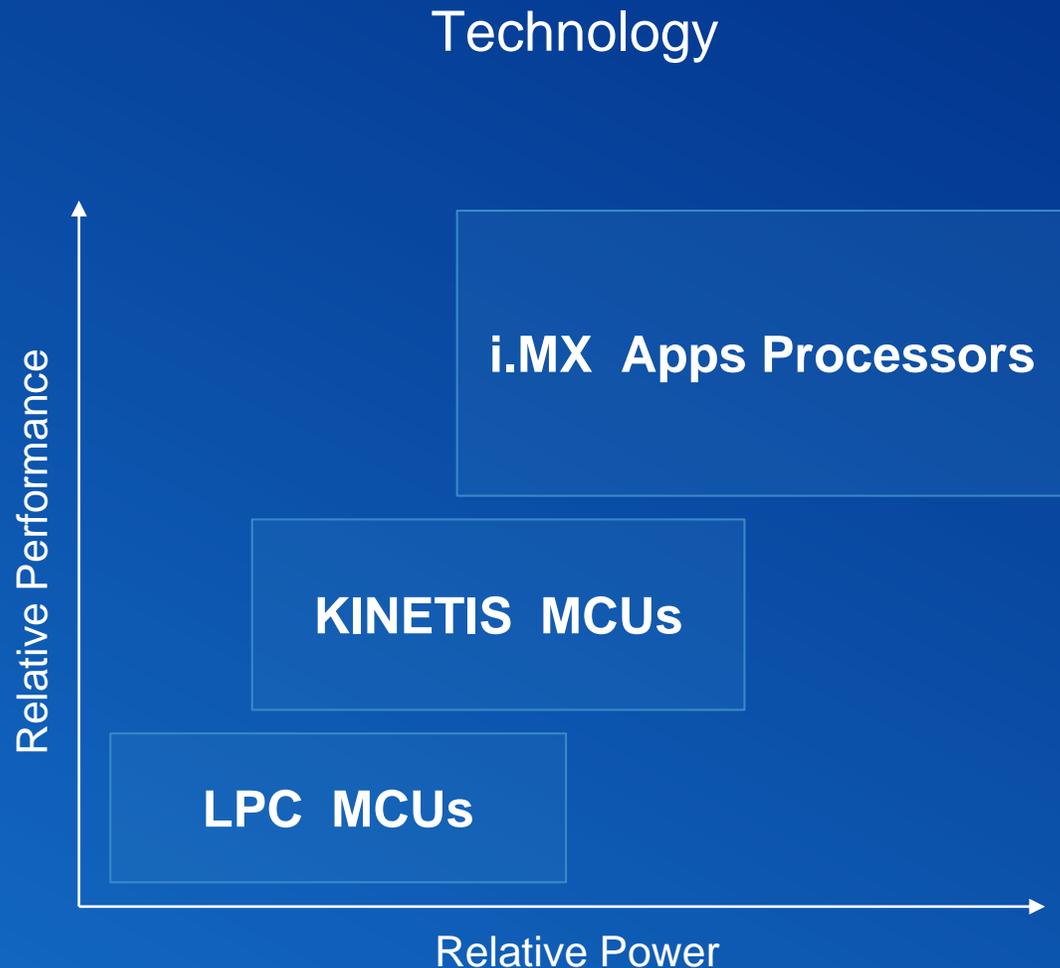
Embedded Processing Leadership

GEOFF LEES

Senior Vice President and General Manager



Everything Smart – Industry Leading Embedded Portfolio



Deep System & Application Knowledge

Portfolio

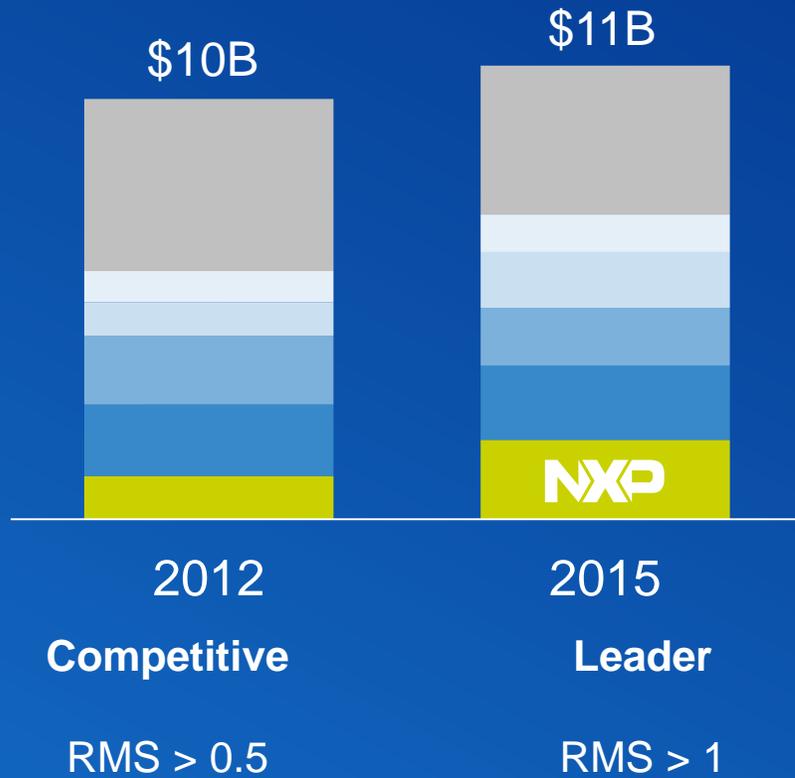
- Leading non-automotive MCU supplier
- Broadest range of embedded processing from lowest power 32-bit MCUs to high performance multi-core 32/64-bit APs
- Differentiated software ecosystem

Customers and markets

- Highly diversified customer base
- Global multi-market focus
- Strong presence in emerging applications

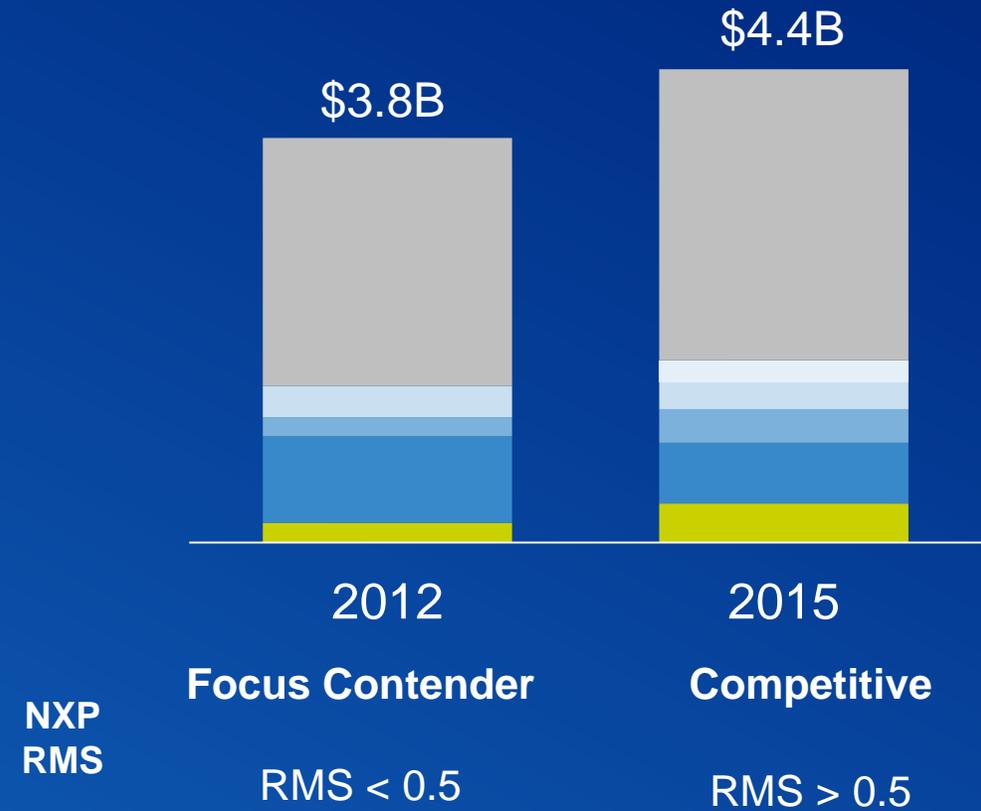
Leadership in Microcontrollers and Application Processors

#1 in non-Automotive
Microcontrollers



NXP
RMS

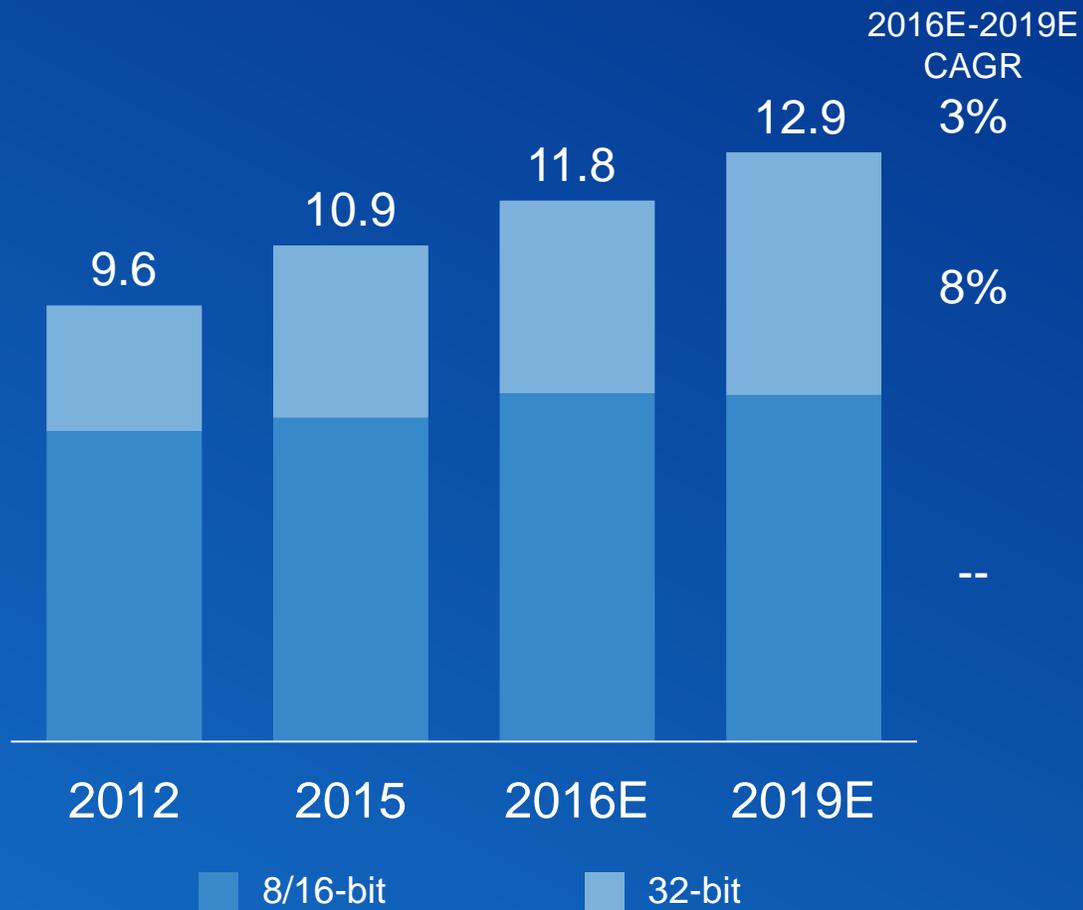
#2 in Industrial & Auto
Application Processors



NXP
RMS

MCU Market Growth Driven by 32-bit and Specific Applications

Market (\$B)



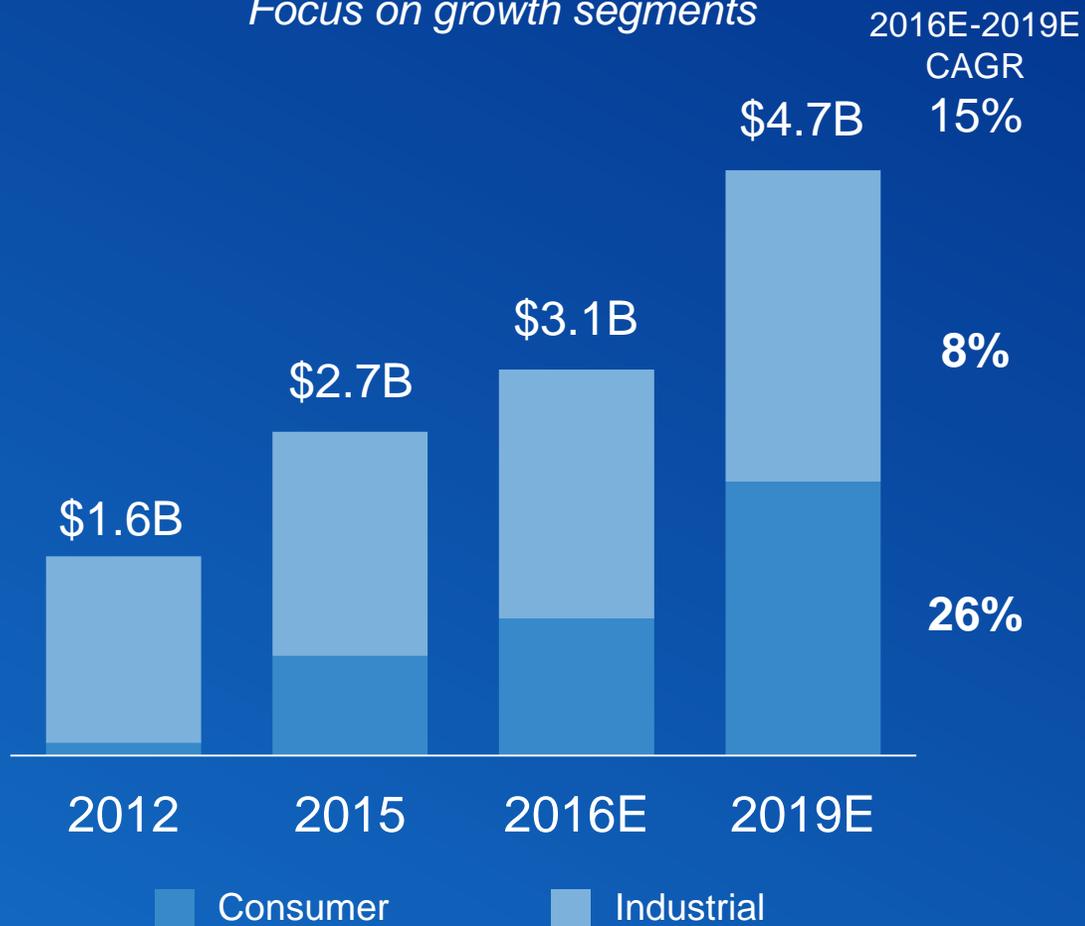
Application

Segment	2016E Market	2016E-2019E CAGR
Automation	\$2.0B	9%
Power & Energy	\$0.8B	12%
Healthcare	\$0.8B	8%
Building Control	\$0.7B	9%
POS	\$0.1B	16%
Appliances	\$0.5B	5%
Wearables	\$0.1B	7%
SUM	\$4.9B	9%
Others	\$6.9B	(2%)

Application Processor Business in High-growth Non-Mobile Segments

Technology

Focus on growth segments



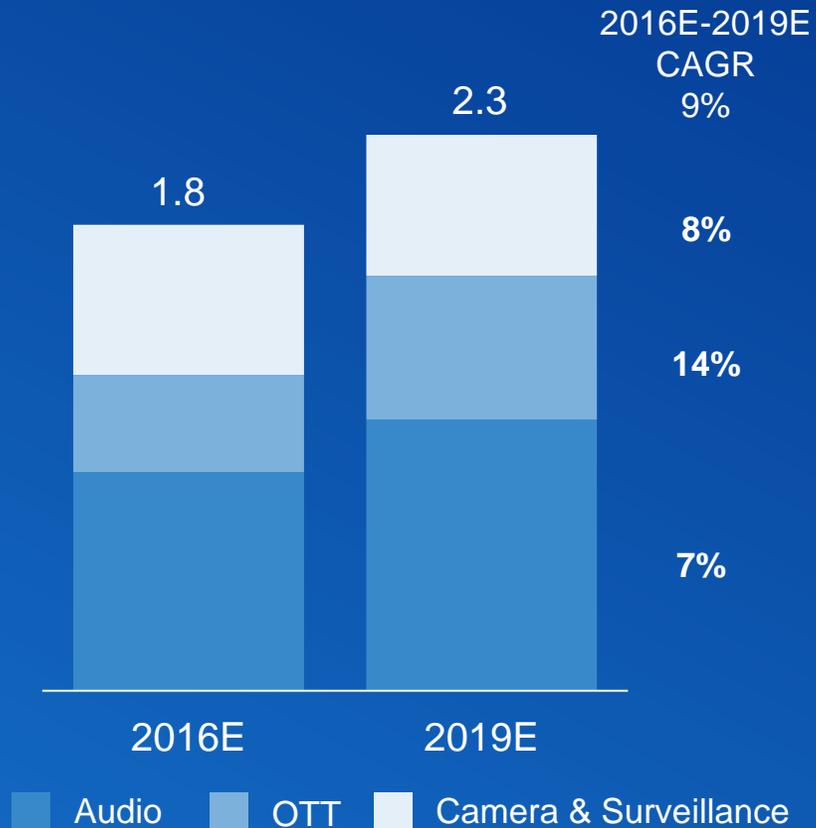
Application

Segment	2016E Market	2016E-2019E CAGR
Smart Watch	\$0.7B	31%
OTT Set-Top-Box	\$0.4B	14%
Building Control	\$0.2B	11%
Automation	\$0.9B	10%
Medical	\$0.4B	9%
POS	\$0.5B	4%
SUM	\$3.1B	15%

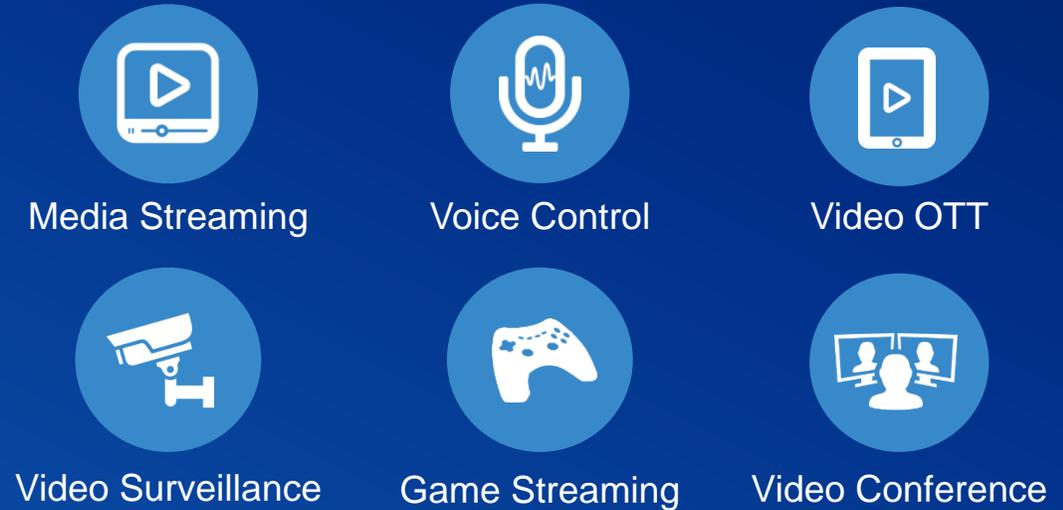
Solution Platform for the Growing Media IoT

Addressable Market (\$B)

Entry into Growth Market



Applications



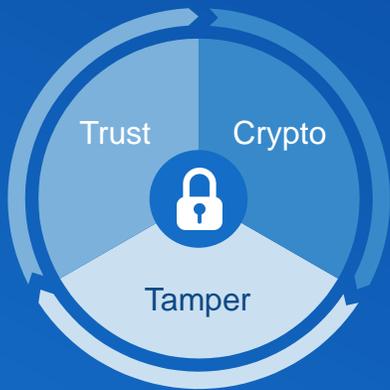
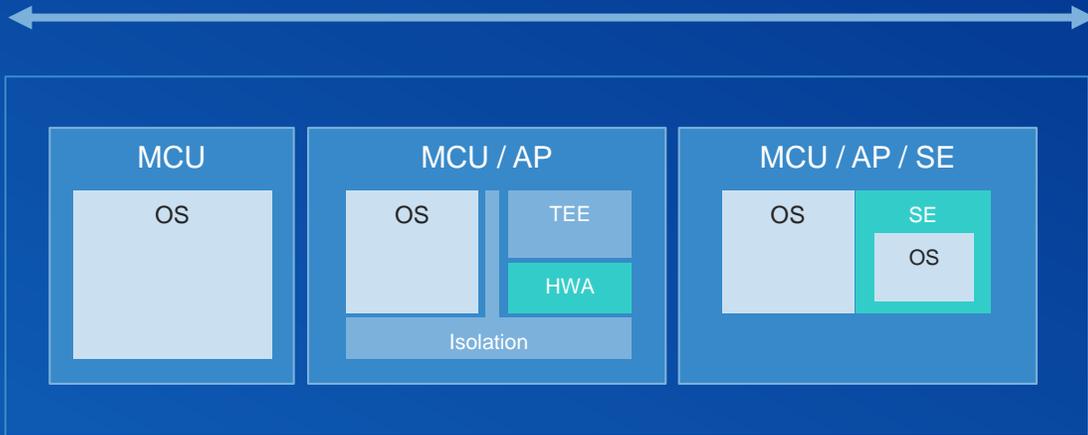
NXP Unique Capabilities

Media Processing	Security	Go-To-Market
4K Video & 3D Audio Processing	Authentication	Distribution
Transcoding	Secure OS	Easy to Design
Voice Recognition & Natural Language	HDCP Digital Rights Management	Partners & Ecosystem

End-to-End Secure Hardware + Software Ecosystem

Hardware

Broad range of hardware security configurations



- Cryptographic blocks
- Secure storage
- Authentication
- Trusted execution environment
- Tamper resistance

Software Ecosystem

Close partnerships with industry leaders

Consumer, industrial and IoT ecosystem



Secure connectivity



Secure operating systems

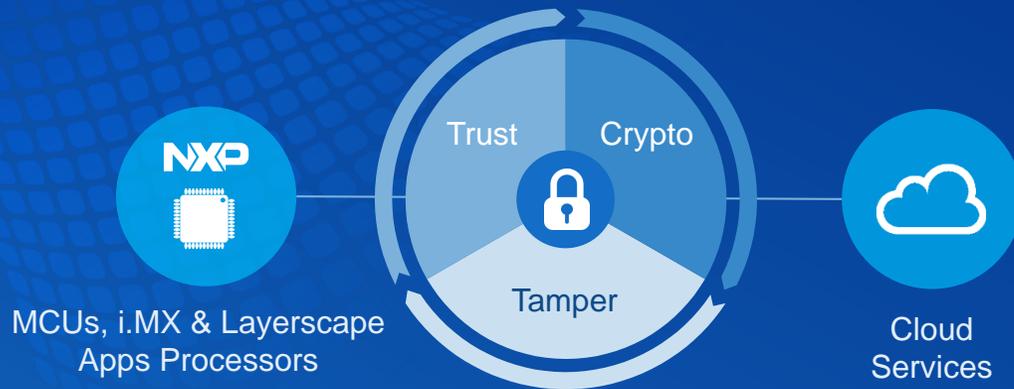


Secure update & lifecycle management layer

Delivering Full Secure Smart Connected Portfolio to the IOT

Technology Focus

Physical and Functional Security



Embedded Processing Leadership

Low Power Wireless Connectivity

Security Enabled Software Ecosystem

IOT Application Focus



Solution Platform for Smart Home

Addressable Market (\$B)

Entry into High Growth Market



Unique ability to provide interoperability, seamless security and fit-for-purpose processing

Ecosystem Partnership



Smart Secure Connected Portfolio

Interoperability	Seamless Security	Fit for Purpose Processing
ZigBee / Thread	Lifecycle Management	i.MX
Bluetooth Smart	Secure OS	Kinetis
NFC	Secure MCU	LPC

Solution Platform for Wearables

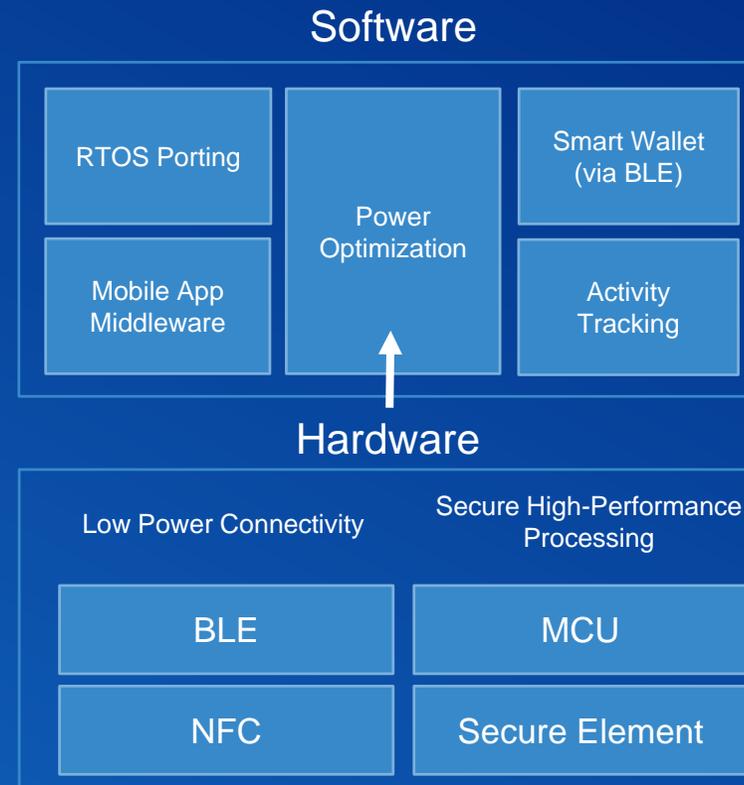
Addressable Market (\$B)

Entry into High Growth Market



Technology

Unique ability to deliver integrated solutions with best-in-class power, performance and security

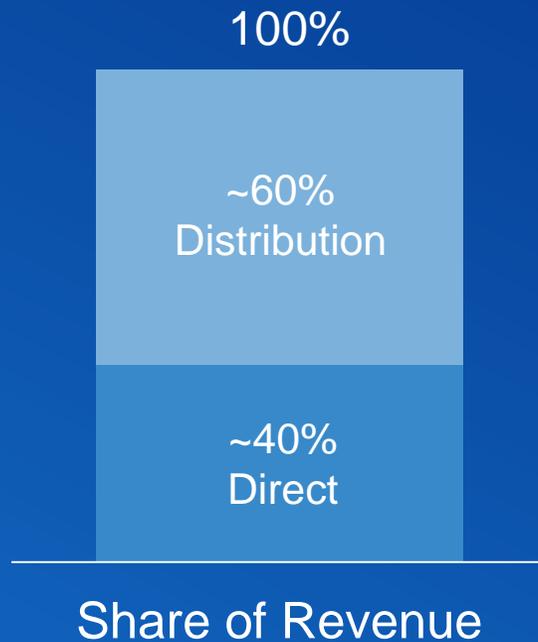


- Multi component integration
- System level optimization
- Hassle free payment solution
- Ecosystem compliance & integration

Unique Capability to Serve Diverse Customer Base

MCU/AP Customer Base

25k+ end-customer



Unique Customer Enablement



Easy to Design with NXP



Microsoft



amazon tap



GARMIN



nest



BIG ASS FANS



Honeywell



sleep number



MULT-LOCK



SCHLAGE
ALLEGION



Saeco



dyson



Electrolux



EMERSON

Easy to Design with NXP



Software and support

- SDK with Thread stack
- Thread extensions and accelerations
- Reference projects
- i.MX 6D based gateway
- Freedom boards for prototyping
- Test tool application for checking connectivity between MCU & WiFi
- Custom SPI bootloader
- Technical consulting & partnership

+ NXP Wireless MCU

P&G

Febreze Home™ with Febreze Connect™
Scent + motion sensing night light

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Outgrowing the Market through Technology & Application Leadership

Deep Application & System Knowledge



Ecosystem Relationships



Trusted Advisor



Thought Leadership



Payments



Secure
Identification



Mobile
Transactions



Wearables



Smart
Home



Smart
Cities



Smart
Industry



Smart
Objects

Product & Technology Leadership



Processing



Connectivity



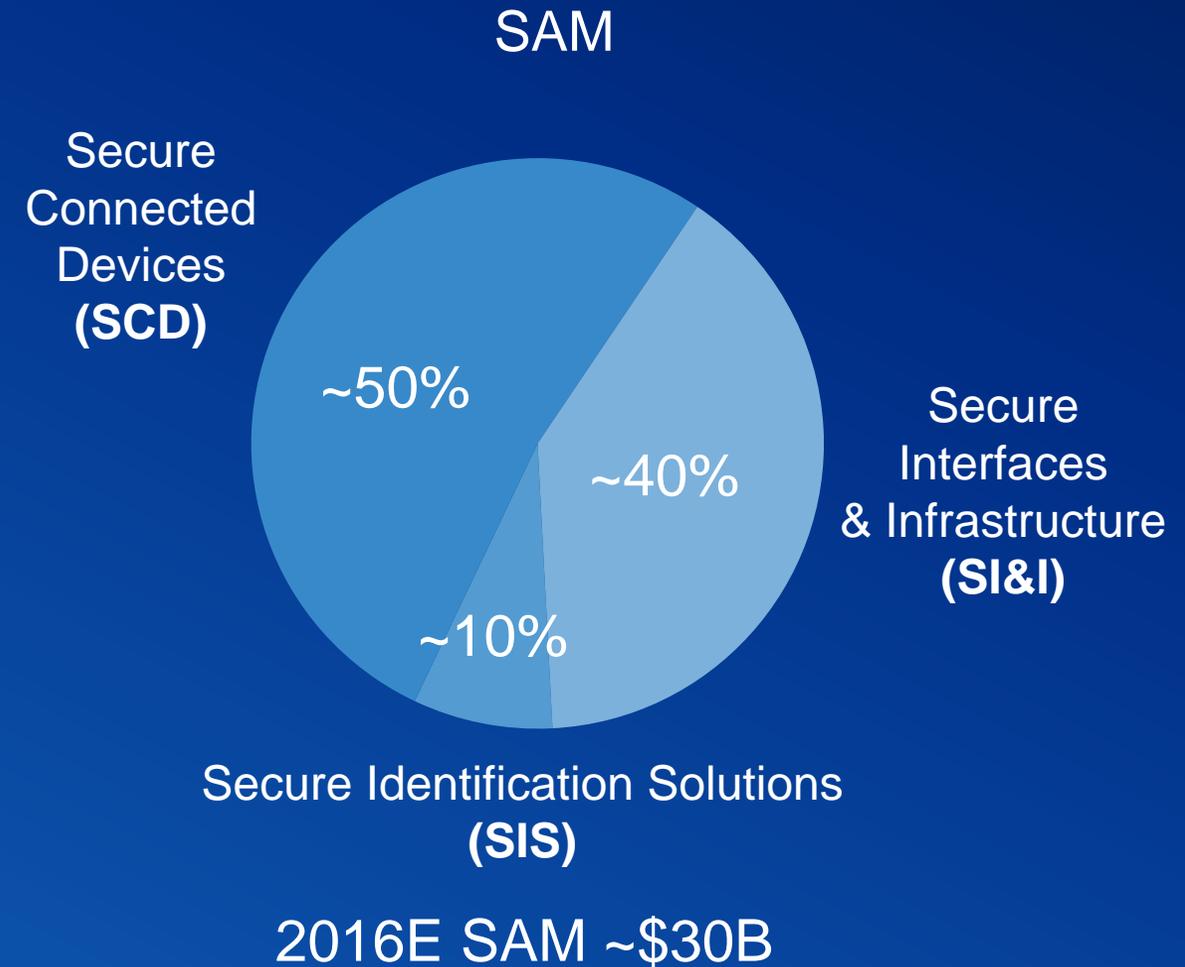
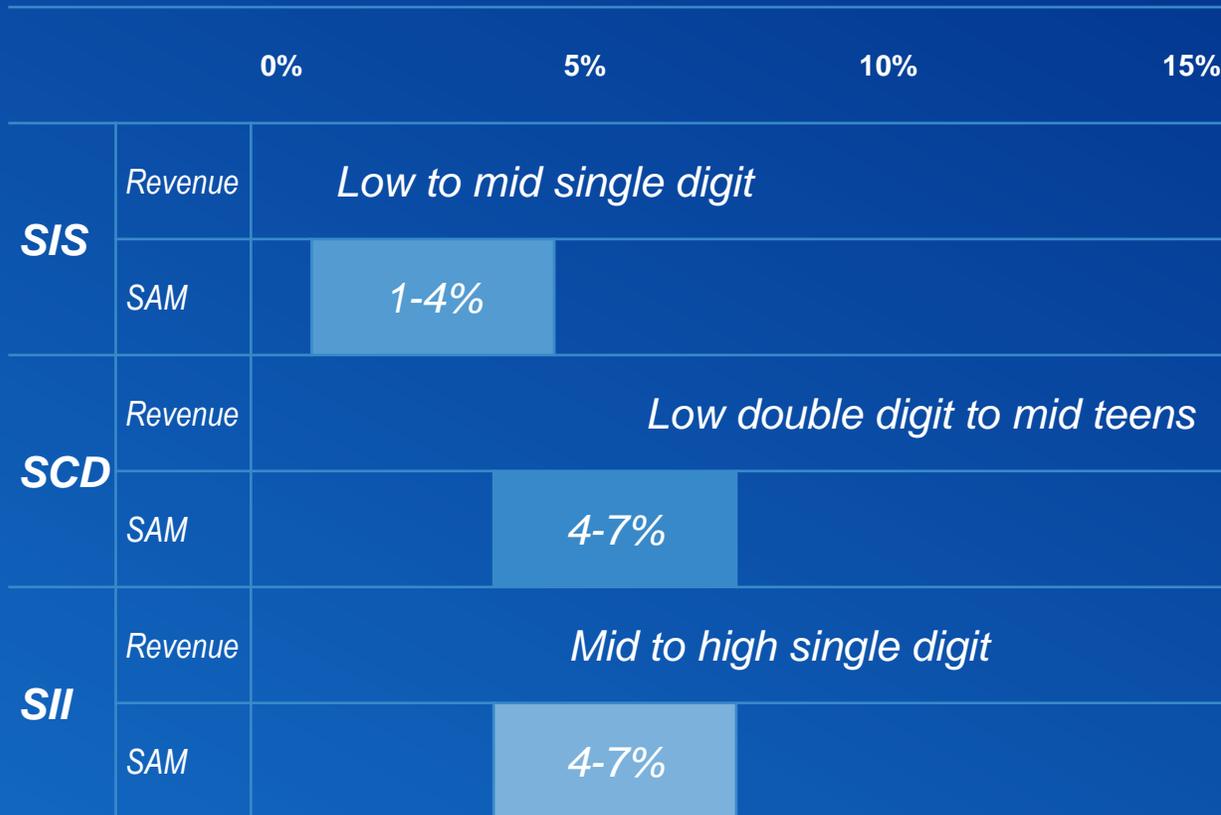
Security

Winning in Selected Growth Markets

	Secure Connected Devices (SCD)	Secure Interfaces & Infrastructure (SI&I)	Secure Identification Solutions (SIS)
Growth Drivers	<ul style="list-style-type: none"> • Penetration of NFC/eSE • Consumer & industrial AP • 32-bit MCU applications 	<ul style="list-style-type: none"> • USB Type-C • Fast charging • RF content increase 	<ul style="list-style-type: none"> • Contactless migration • eID cards • Smart transit and tagging
NXP Differentiator	<ul style="list-style-type: none"> • Leader in NFC/eSE solutions • Complete MCU & AP portfolio • Power efficient processing and connectivity • Customer enablement 	<ul style="list-style-type: none"> • Full portfolio and customization capability for wall-to-device solutions • High performance, proprietary RF technologies: SiGe, GaN 	<ul style="list-style-type: none"> • Contactless performance • Advanced security • Richest portfolio • Trusted solution advisor

Sustainable Profitable Growth via Leadership in Growth Markets

2016E – 2019E 3-Year CAGR



The NXP logo is rendered in a bold, white, sans-serif font. The letters 'N', 'X', and 'P' are interconnected, with the 'X' having a distinctive shape where the two vertical strokes are slightly offset. The background is a solid dark blue.

SECURE CONNECTIONS
FOR A SMARTER WORLD

A large, multi-story office building with a grid of windows is visible in the background, tinted in a dark blue color. A sign on the top right corner of the building displays the NXP logo in green.

NXP

Safe and Secure Mobility

KURT SIEVERS

Executive Vice President and General Manager,
Automotive



NXP Leads Automotive Innovation – #1 Global Auto Semi



BMW 7: NXP exceeding \$300 per vehicle



BMW 7-series Awarded
2016 World Luxury Car
NY International Auto Show

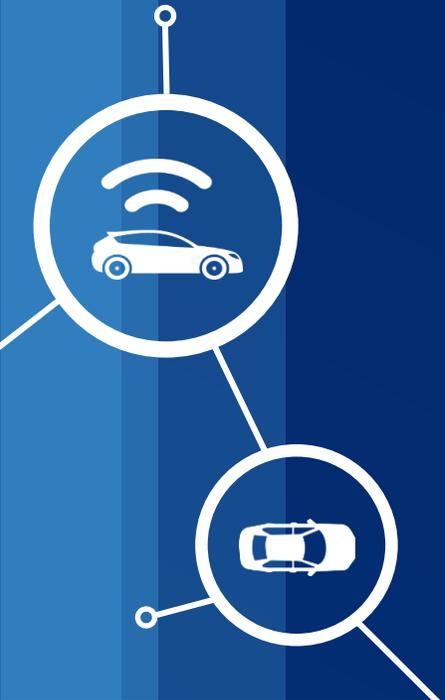
AGENDA

01 MARKET & STRATEGY

02 CORE BUSINESS GROWTH

03 ADAS & SECURITY

04 SUMMARY



Safe & Secure Mobility – 90% Innovation Through Electronics

Seamlessly Connected
Mobility Experience



One hour per
day in the vehicle

Enjoying Life

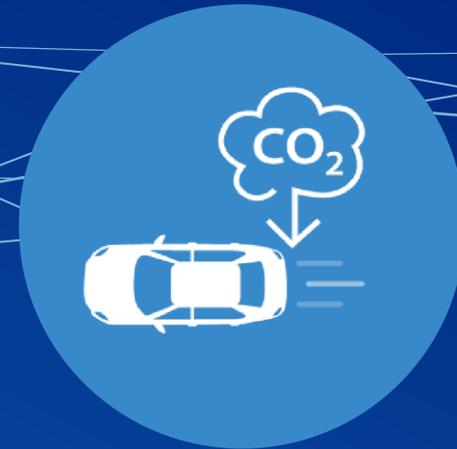
ADAS Towards
Self-Driving



1.3M global road fatalities
every year

Saving Lives

Energy
Efficiency



US mandates 163 grams / mile
and 54.5 MPG by 2025

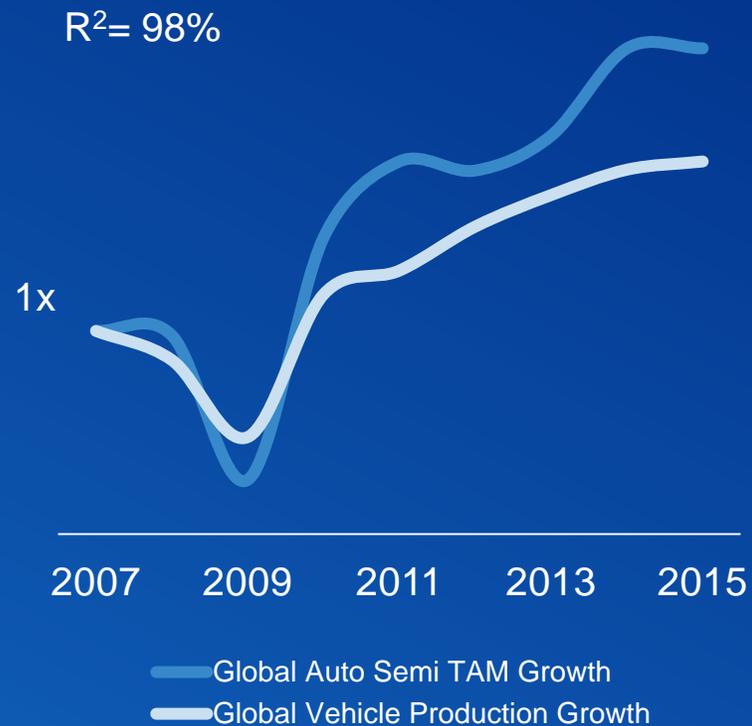
Reducing CO₂

Auto Semi Market Has Outgrown Vehicle Production

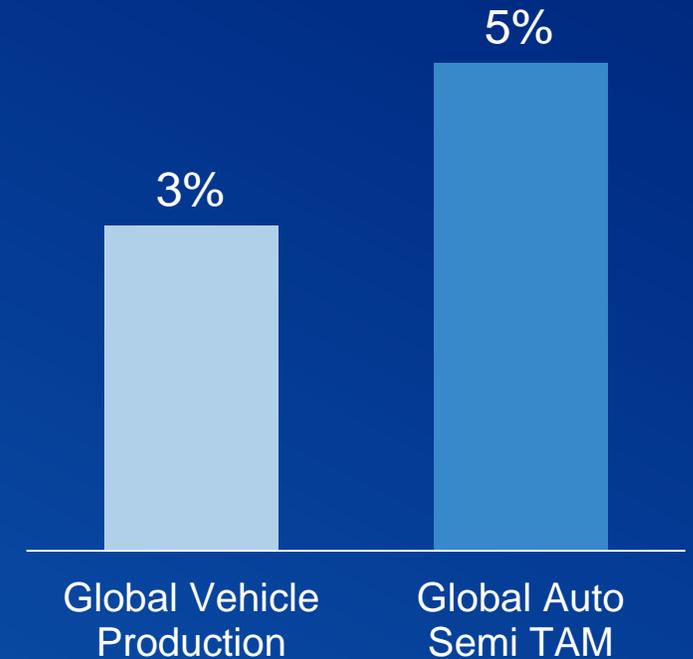
GDP and Vehicle Production
Highly Correlated
(Normalized, % Growth)



Auto Semi and Vehicle
Production Highly Correlated
(Normalized, % Growth)



2007–2015
Growth Rates
(%)



This Trend Will Continue: Auto Semi TAM Growth 4-6%

Global Vehicle Production
(MU)



Semi Content / Vehicle
(\$)



Auto Semi TAM
(\$B)

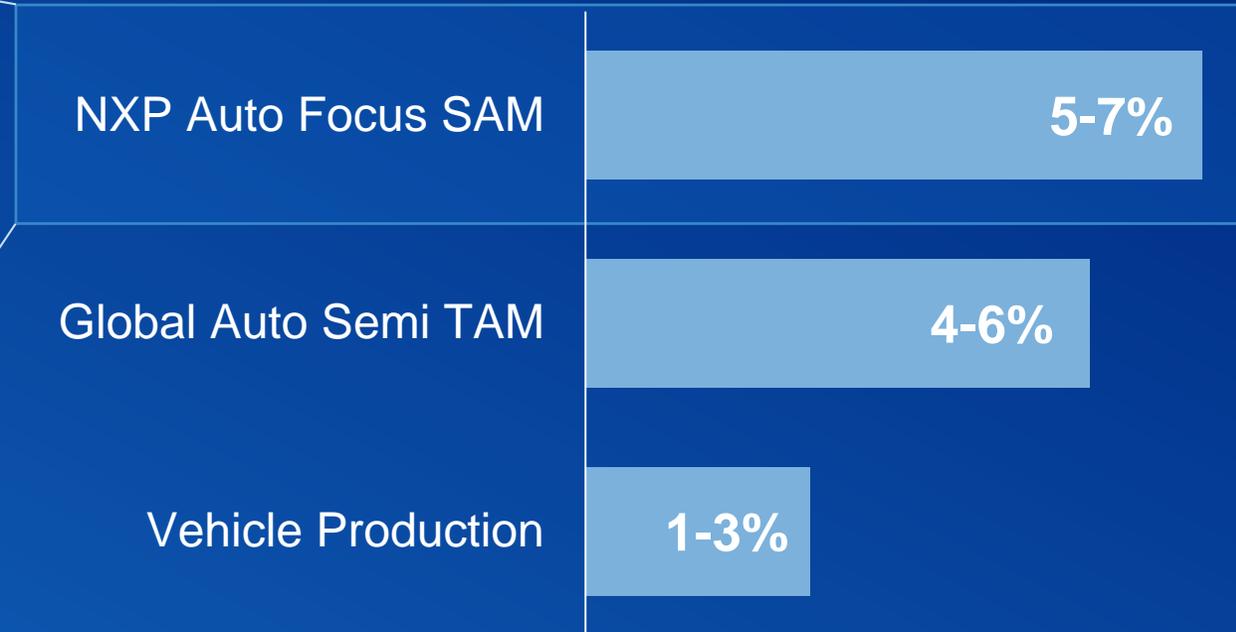
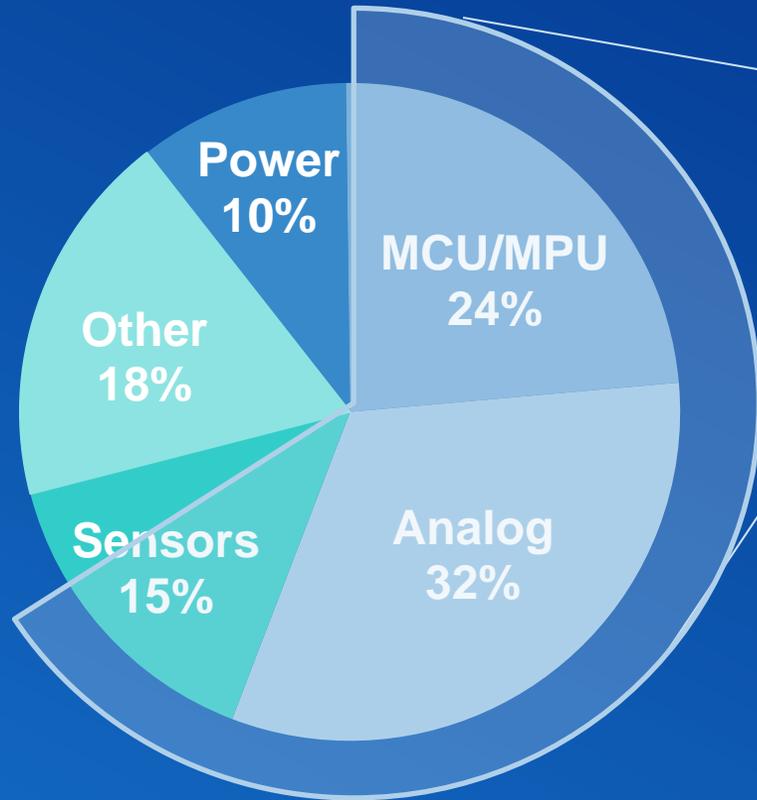


CAGR 2016E - 2019E Max% Min%

Auto Semi Market – Focus SAM Growing Ahead of TAM

Global Auto Semi TAM
(2015 \$29B)

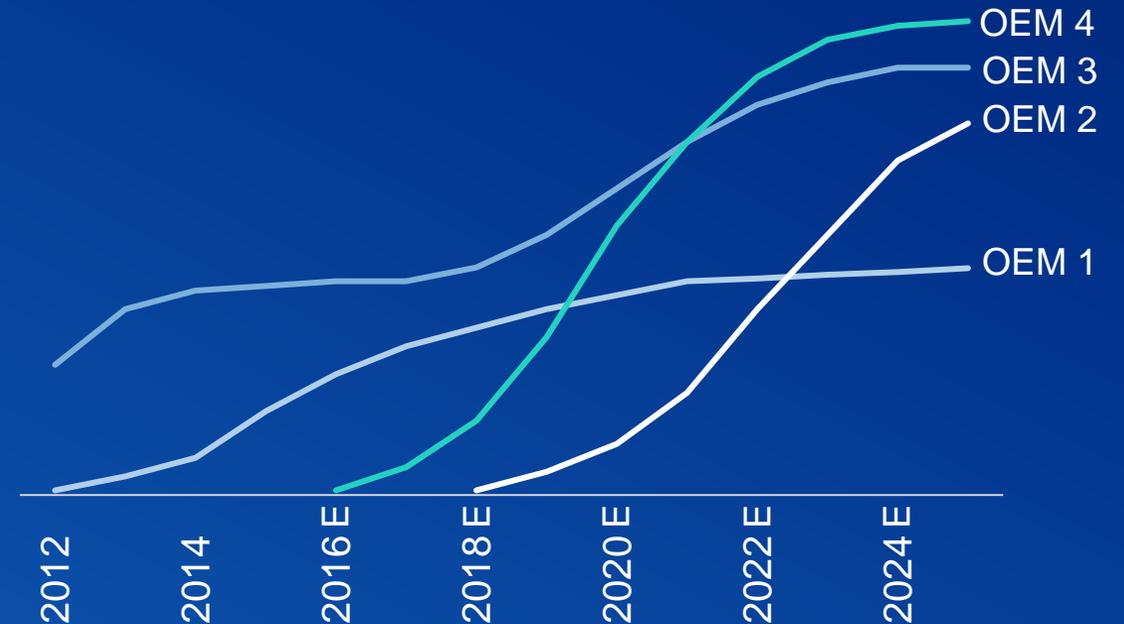
2016E – 2019E
(3-Year CAGR)



Very Sticky Business as Features Proliferate from Luxury to Volume

Year of First Introduction	High End Infotainment	Passive Keyless Entry / Go	ADAS – Front Radar
LUXURY 	2006	2006	2002
VOLUME 	2012	2014	2018E
SMALL 	2016E	2018E	2022E

Long Product Life-Cycles
(Secure Car Access, Revenue Over Time)



Strategy – Technology Leadership Across Application Domains



Strategy – Leverage Technology Leadership Towards RMS Leadership

APPLICATIONS FOCUS

		Infotainment	Car Access	Body & IVN	Safety	Powertrain	ADAS
TECHNOLOGY LEADERSHIP	2015 RMS	>1.5x	>1.5x	>1.5x	>1.5x	1x – 1.5x	Innovation Leader
	RF / DSP						
	MCU / MPU						
	Analog						
	Sensors						
	Security						

System Solution Leadership at Work



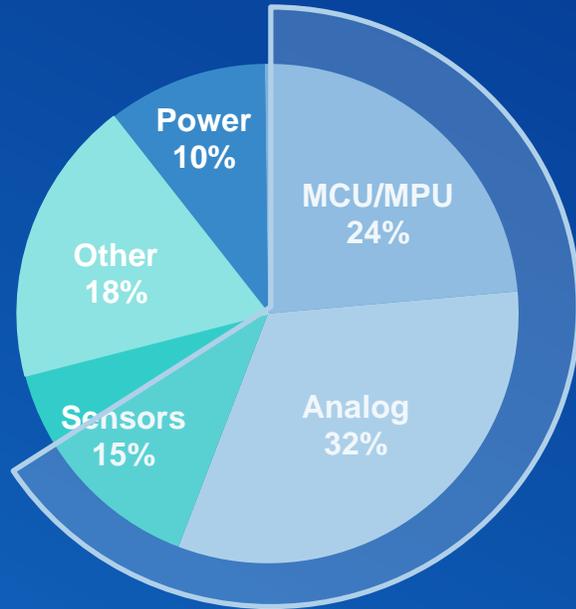
Industry 1st postage stamp sized radar solution

Field Tested by

Google

Strategic Position

Technology Leadership



- #1 Auto Analog / RF / DSP
- #1 Auto Microcontrollers (ex. Japan)
- #1 Merchant Auto MEMS Sensors



Application Focus

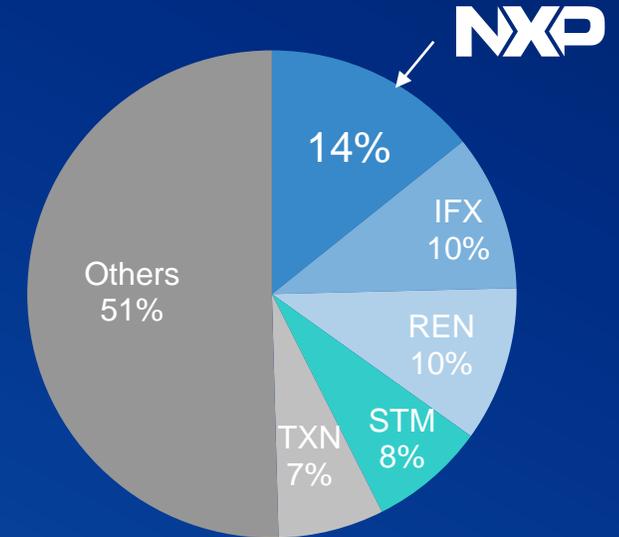


- #1 Car Infotainment
- #1 Secure Car Access
- #1 Body & In-Vehicle Networking
- #1 Safety
- #1 Powertrain

Innovation Leader ADAS
Innovation Leader Security



#1 Auto Semi



- #1 2015 Global Auto Semi
- #1 China, North America, Europe

AGENDA

01 MARKET & STRATEGY

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Car Infotainment

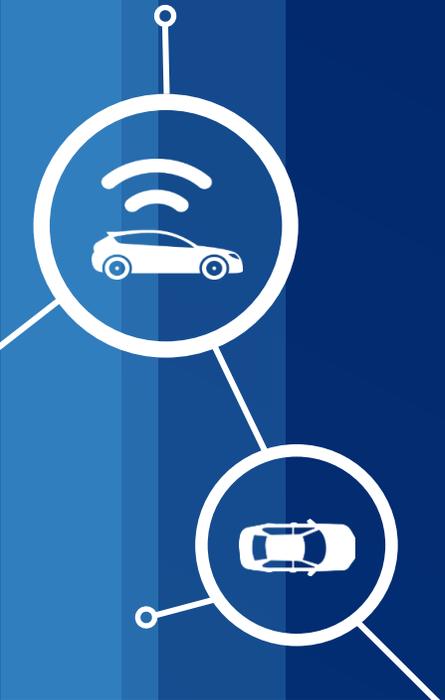
Secure Car Access

Body & In-vehicle Networking

Safety

03 ADAS & SECURITY

04 SUMMARY



Leadership in Core Application Segments

	Car Infotainment	Secure Car Access	Body & In-Vehicle Network	Safety	Powertrain		
SAM Market Size, 2015	\$2.9B	\$0.5B	\$2.3B	\$2.8B	\$0.7B		
Market Growth Rate, 2016E – 2019E	6%	7%	4%	4%	3%		
NXP Rank, 2015	#1	#1	#1	#1	#1		
Relative Market Share, 2015	>1.5x	>1.5x	>1.5x	>1.5x	1x – 1.5x		
OEMs	 	DAIMLER 	 	 HONDA 	 RENAULT NISSAN 	 TOYOTA 	
Tier 1 Customers							
							

AGENDA

01 MARKET & STRATEGY

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Car Infotainment

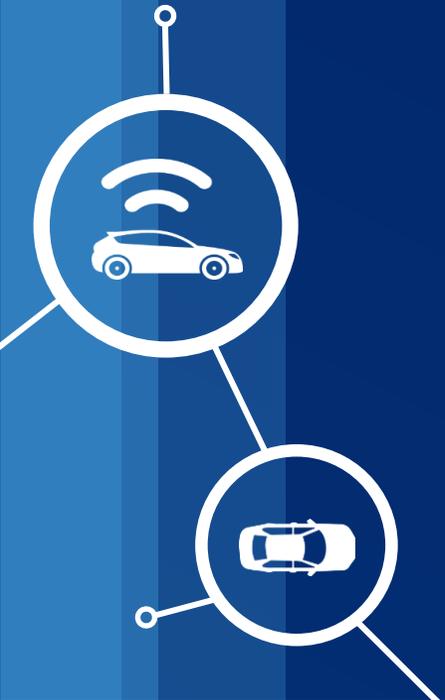
Secure Car Access

Body & In-vehicle Networking

Safety

03 ADAS & SECURITY

04 SUMMARY



Accelerating Consumer Expectations Drive Infotainment Growth



Underpinned Share Gains in Radio/Audio...

Strong SAM Growth

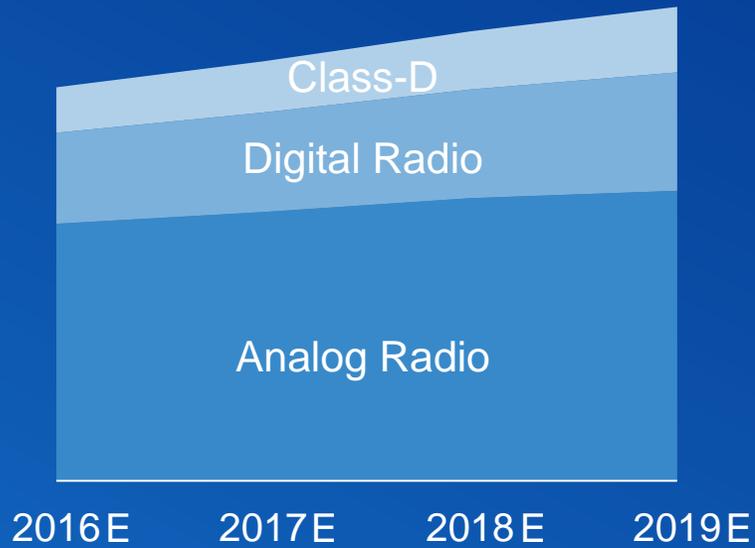


Outgrowing the Market



True Leadership

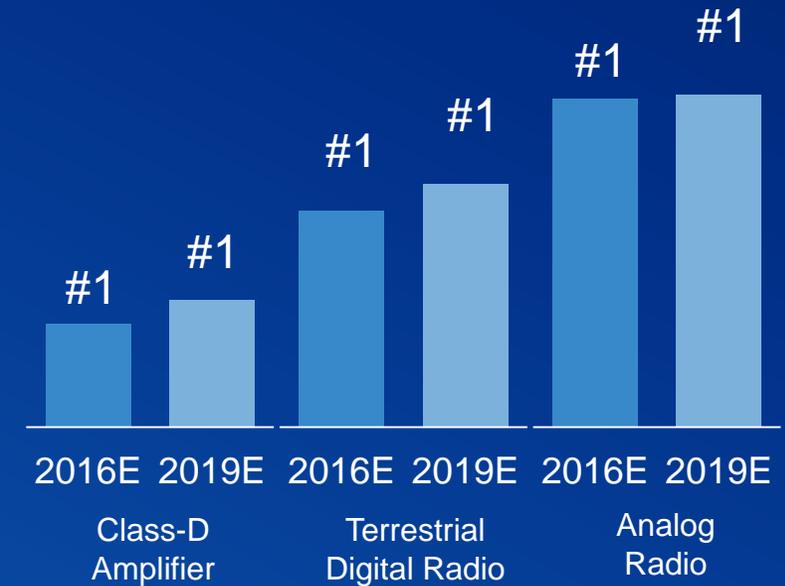
SAM



NXP vs. Market



MS by Segment



NXP designed into 14 of top 15 OEM customers in 2016



...Enabled by Industry Leading 1-Chip RFCMOS Solutions

From: Multi-Chip Discrete



- 2x Analog Radio Tuner ICs
- 1x Analog Radio DSP
- 1x Digital Radio Tuner IC
- 1x Digital Radio DSP
- 1x Memory IC

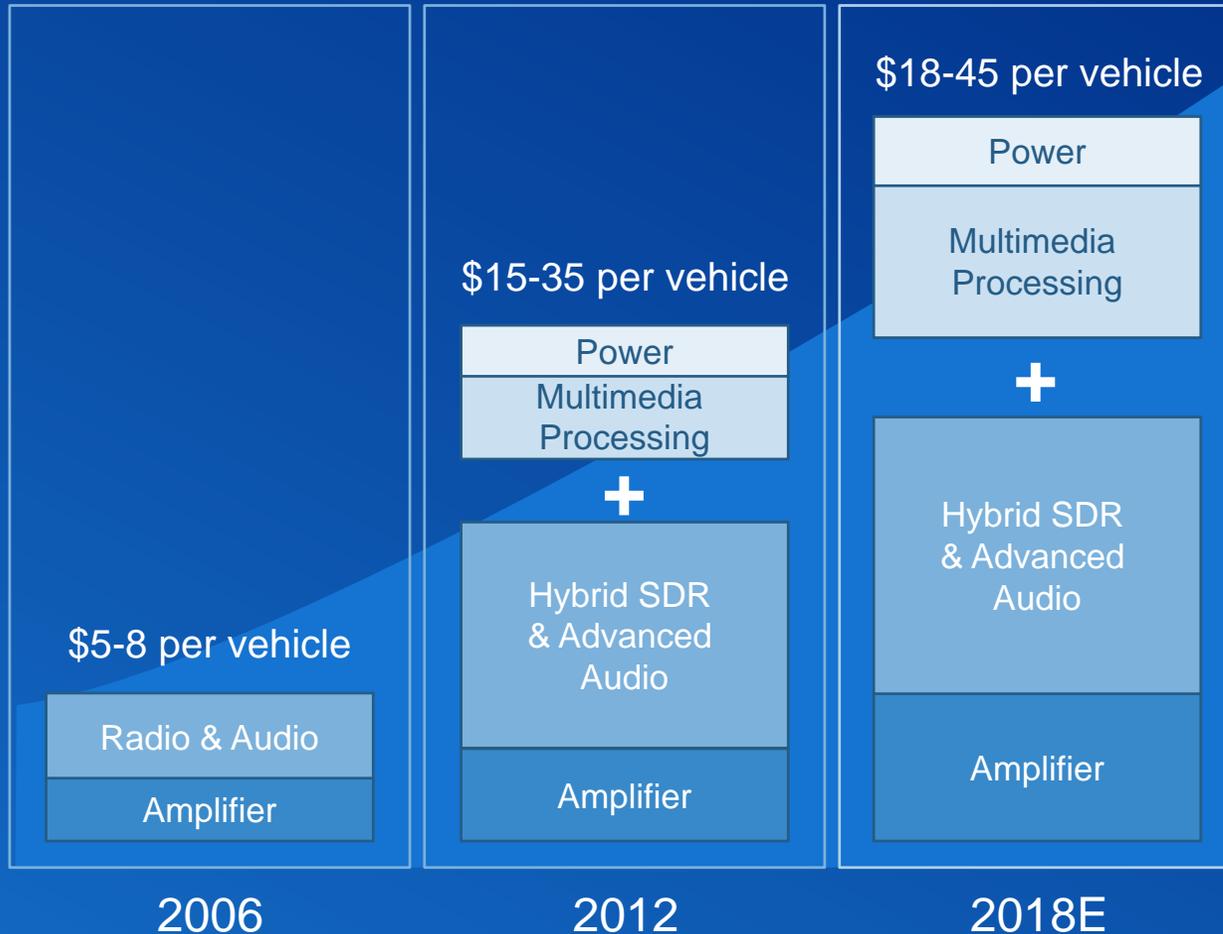
To: 1-Chip RFCMOS



- Integrating 6 ICs into 1 SoC
- Minimum externals
- Single PCB, no daughter board
- No shielded tuner modules

Integration: ease of use for customers & SAM expansion

NXP Offers Most Complete Infotainment System



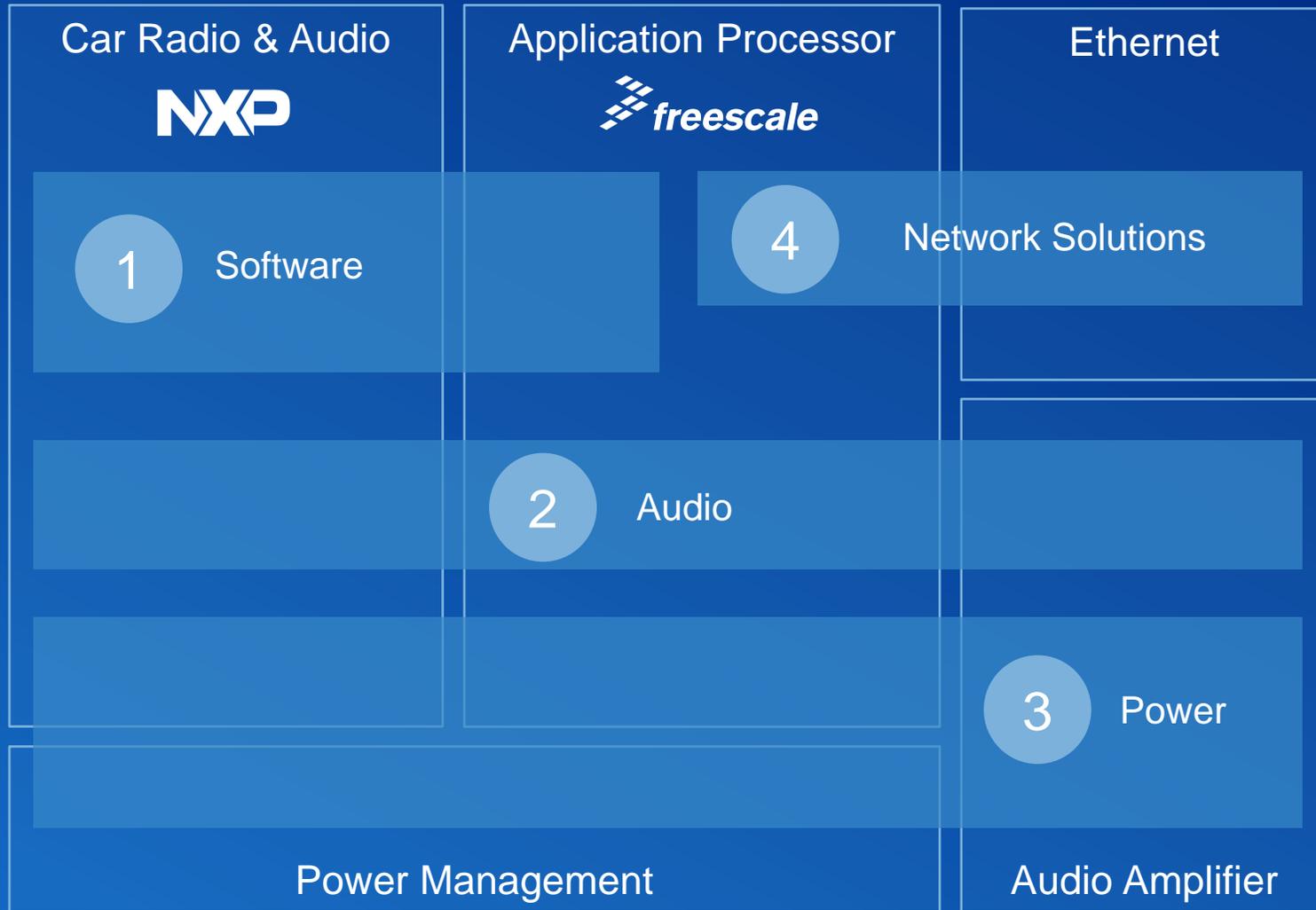
World leader in car infotainment

- Most complete infotainment system solution

Innovation leadership

- Best performance broadcast reception & audio
- Fully digital amplifier for lowest power dissipation
- Multimedia processors with power management

Unique Cross Sell Opportunity with Enhanced Performance



Leading system performance

- 1 Tight system coupling
- 2 Powerful audio system play
- 3 Tailored PMIC system
- 4 Complete IVN solutions

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01 MARKET & STRATEGY

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Car Infotainment

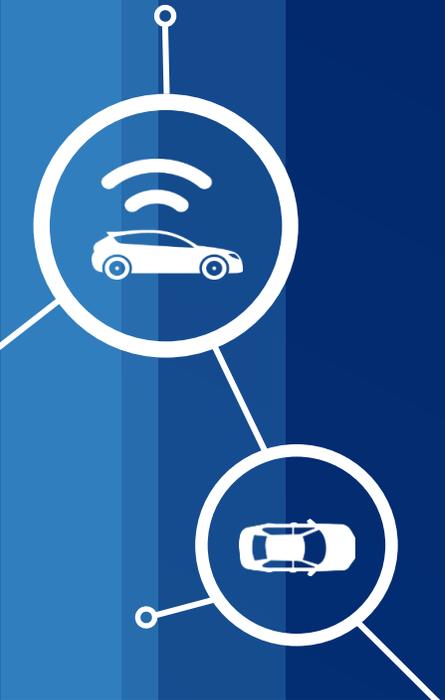
Secure Car Access

Body & In-vehicle Networking

Safety

03 ADAS & SECURITY

04 SUMMARY



Security and Convenience Drive Car Access Growth

Complementary
Devices and
Services



- Smartphone access
- Cloud-based virtual key management
- Car sharing and fleet management

Smart Key



- Passive keyless entry / go
- Personalization
- Display key and diagnostics
- Remote control of car functions

Classic Key



- Remote keyless entry
- Immobilization

SAM Expansion and True Leadership



Designed into 19 of top 20 OEMs

Best convenience and security

- Smallest form factor
- Near-field communication
- 1st with ultra-wide-band
- 1st with motion sensors

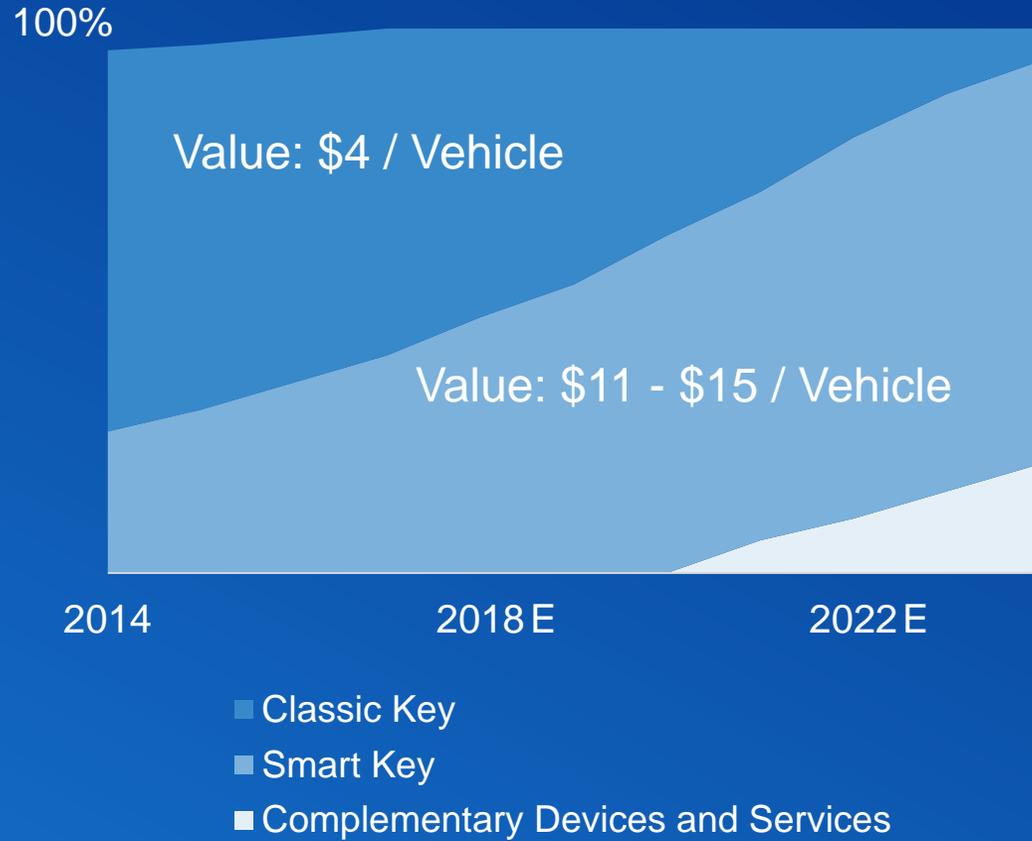
NXP Powers High End Smart Key



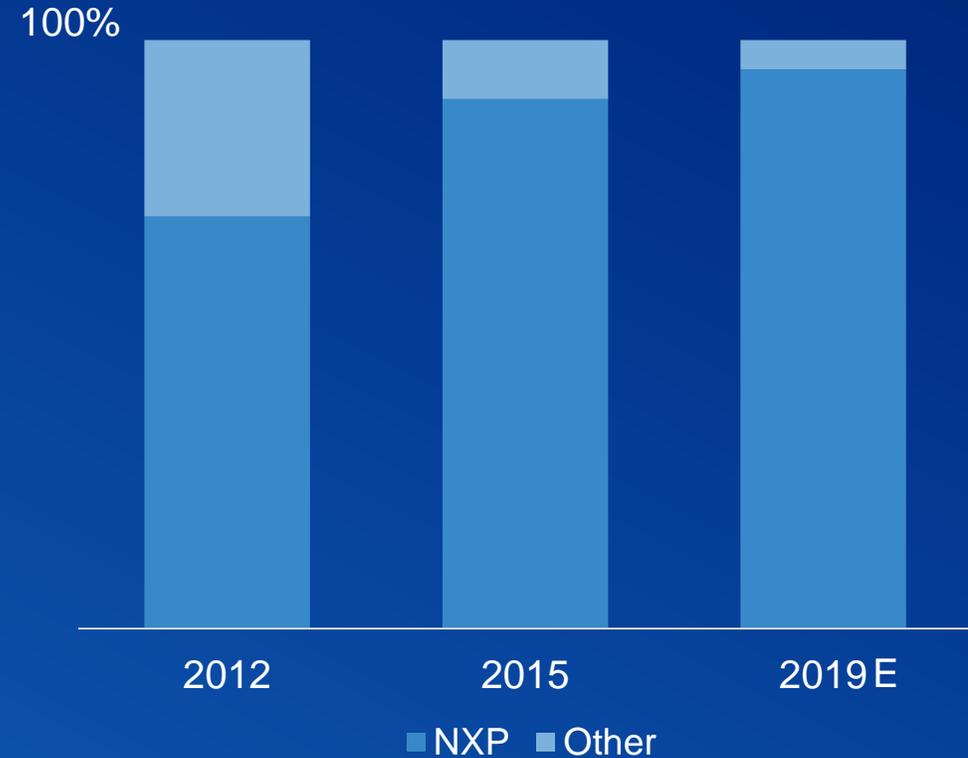
BMW 7-Series display key: up to \$15 of NXP content per vehicle

Underpinned Share Gains in Secure Car Access

Driving System Value Up (Penetration Rate)



Winning 19 of Top 20 OEMs (% of OEMs won)



Safe and Secure Mobility

BOB CONRAD

Senior Vice President and General Manager



AGENDA

01 MARKET & STRATEGY

02 CORE BUSINESS GROWTH

Car Infotainment

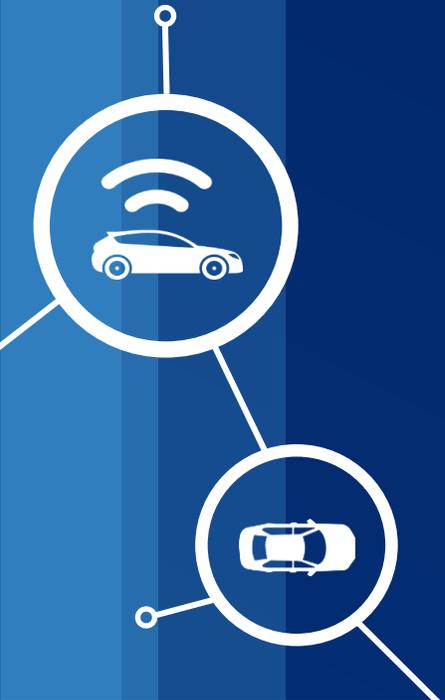
Secure Car Access

Body & In-vehicle Networking

Safety

03 ADAS & SECURITY

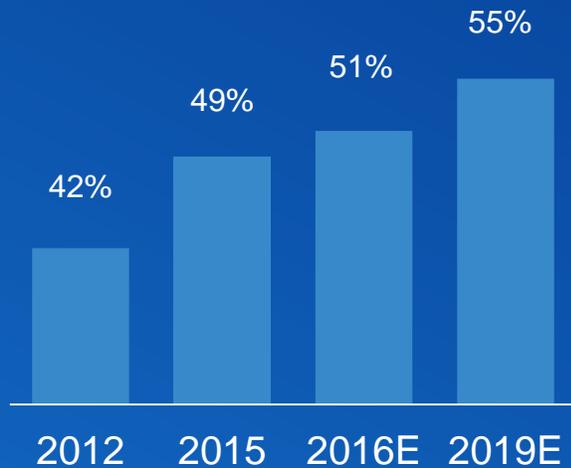
04 SUMMARY



Comfort Features Drive Body and Networking Market

Comfort Features

Fully Automated HVAC
(Penetration rate, %)



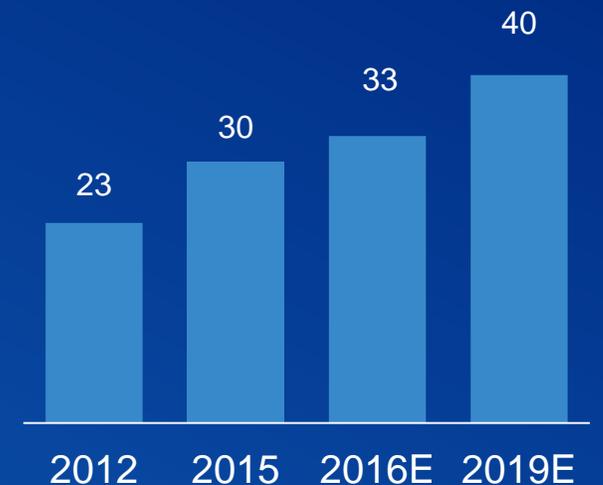
Physical Constraints

Average Passenger Vehicle Weight
(kg)

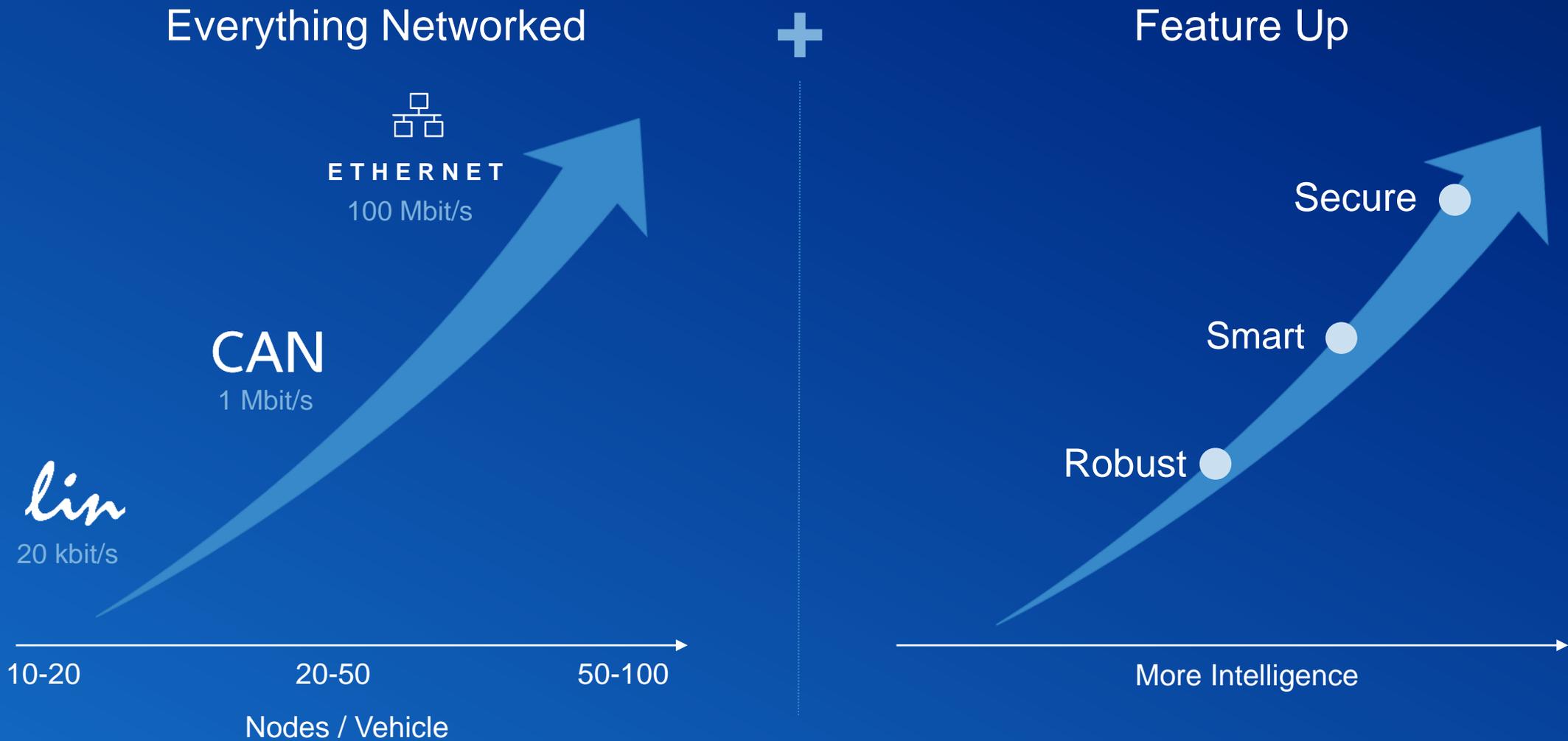


Everything Networked

Number of Nodes Per Vehicle
(Units)



Networking: More Nodes, More Value



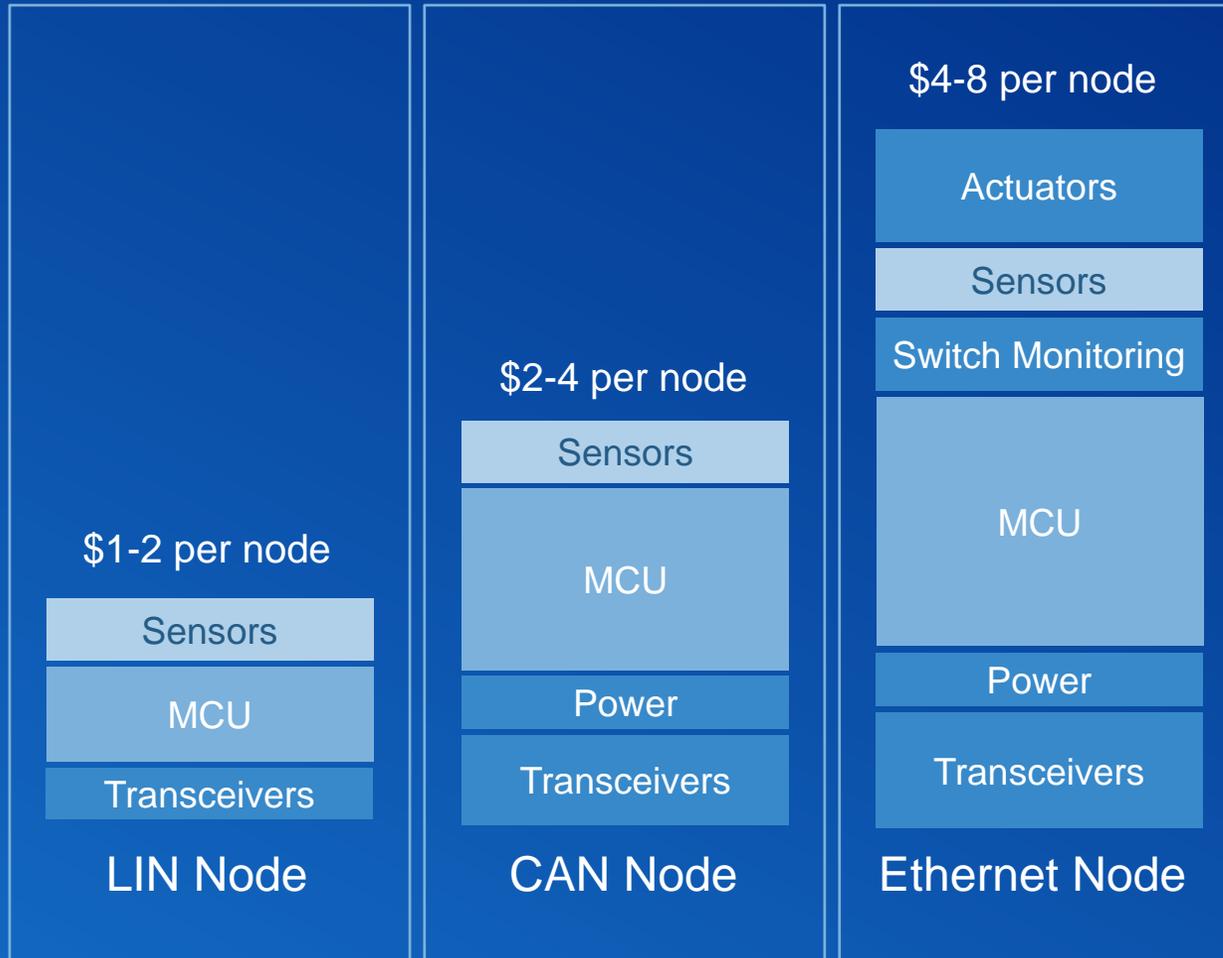
For Every Node NXP Offers Full Scalability for Easiest Design



brose
Technik für Automobile

*“Fully integrated solutions like S12 MagniV help Brose to deliver superior functionality in a yet cost efficient design.”
Mr. Attila Dalkilic, VP Purchasing Electronics/Drives*

New NXP Offers Most Complete Node Solutions



More nodes per vehicle

Higher \$ value per node

Scalable solutions for every node

- From discrete to integrated
- From low to high bandwidth
- From 8 bit to 32 bit MCU
- Common tool and software platform

AGENDA

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Car Infotainment

Secure Car Access

Body & In-vehicle Networking

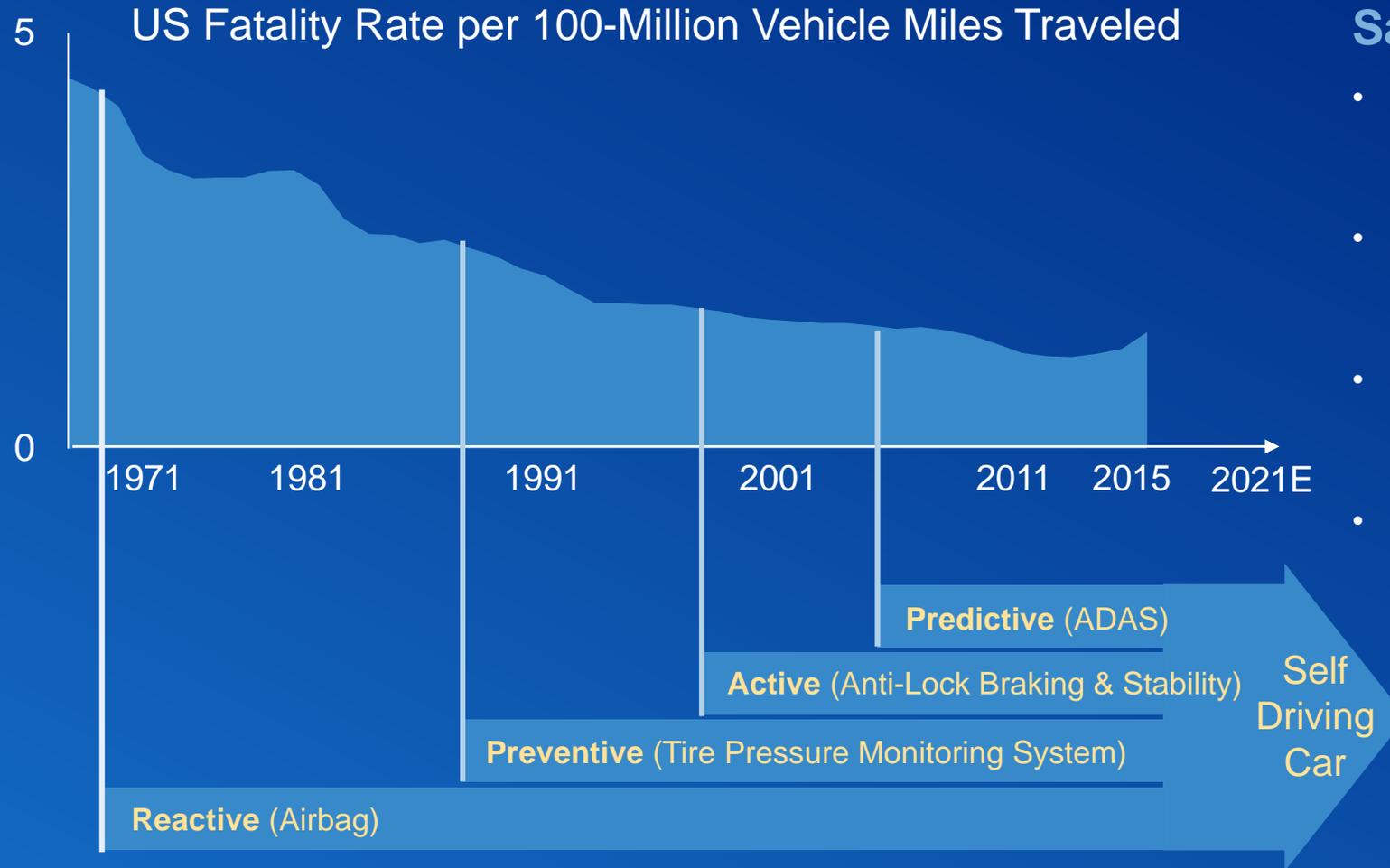
Safety

03 ADAS & SECURITY

04 SUMMARY



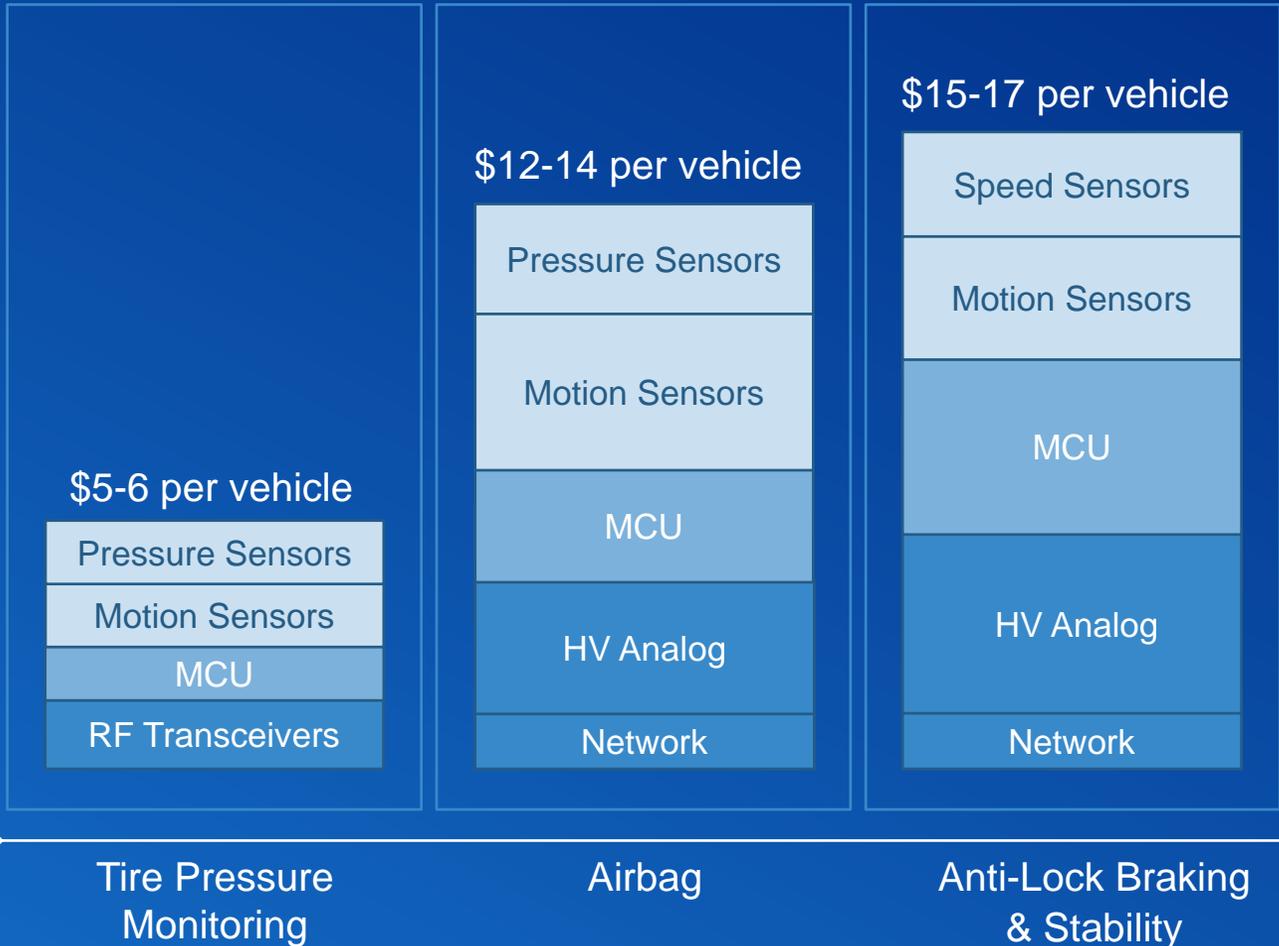
Safety Advancements Reducing Road Fatalities



Safety crucial for self-driving car

- Safety, quality & reliability at the heart of automotive engineering
- Trusted technology and functional safety track-record essential
- Safety system adoption accelerated by mandates & NCAP ratings
- ADAS needed to reverse recent increase in fatality rate (texting)

Leading Position With Top Tier-1 Safety Customers



Key supplier across market leaders

Autoliv

Continental

TRW

BOSCH

DELPHI

- Trusted partner with broadest portfolio of safety solutions
- Industry first with ISO26262 certification for functional safety
- Foundational position and competence for next wave of safety: ADAS

AGENDA

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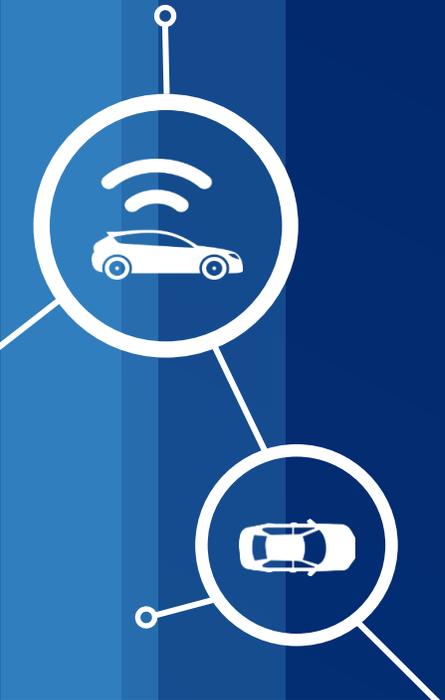
General

Radar

Secure V2X

Security

04 SUMMARY



Safe & Secure Mobility – 90% Innovation Through Electronics

Seamlessly Connected
Mobility Experience



One hour per
day in the vehicle
Enjoying Life

ADAS Towards
Self-Driving



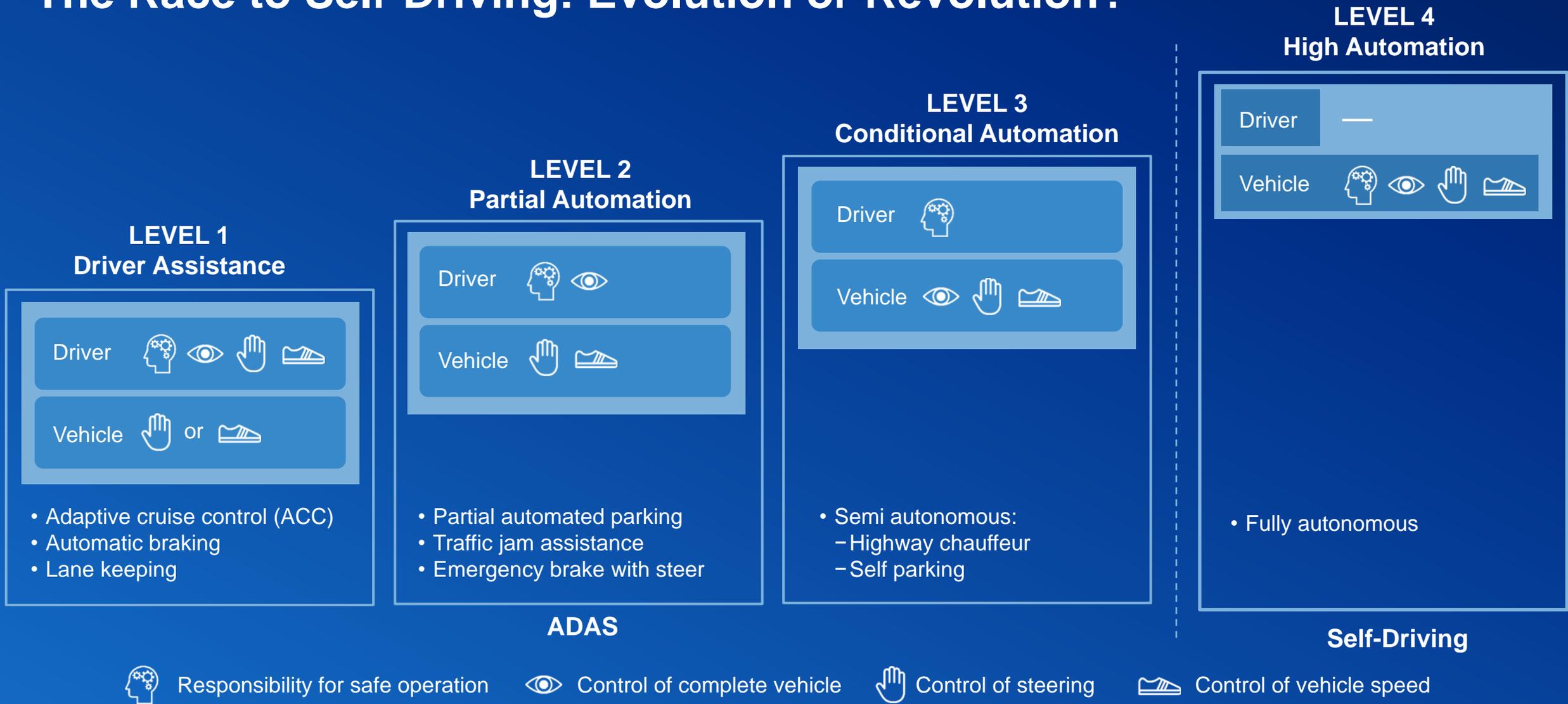
1.3M global road fatalities
every year
Saving Lives

Energy
Efficiency

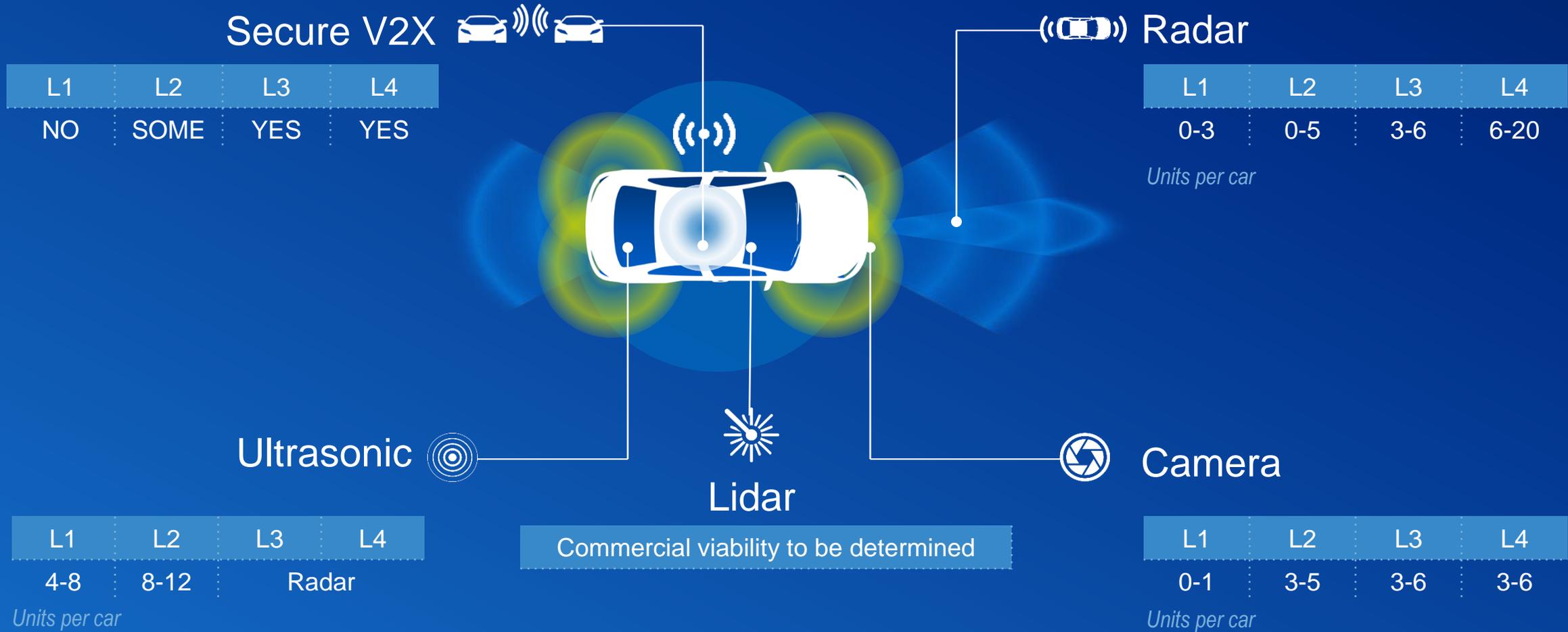


US mandates 163 grams / mile
and 54.5 MPG by 2025
Reducing CO₂

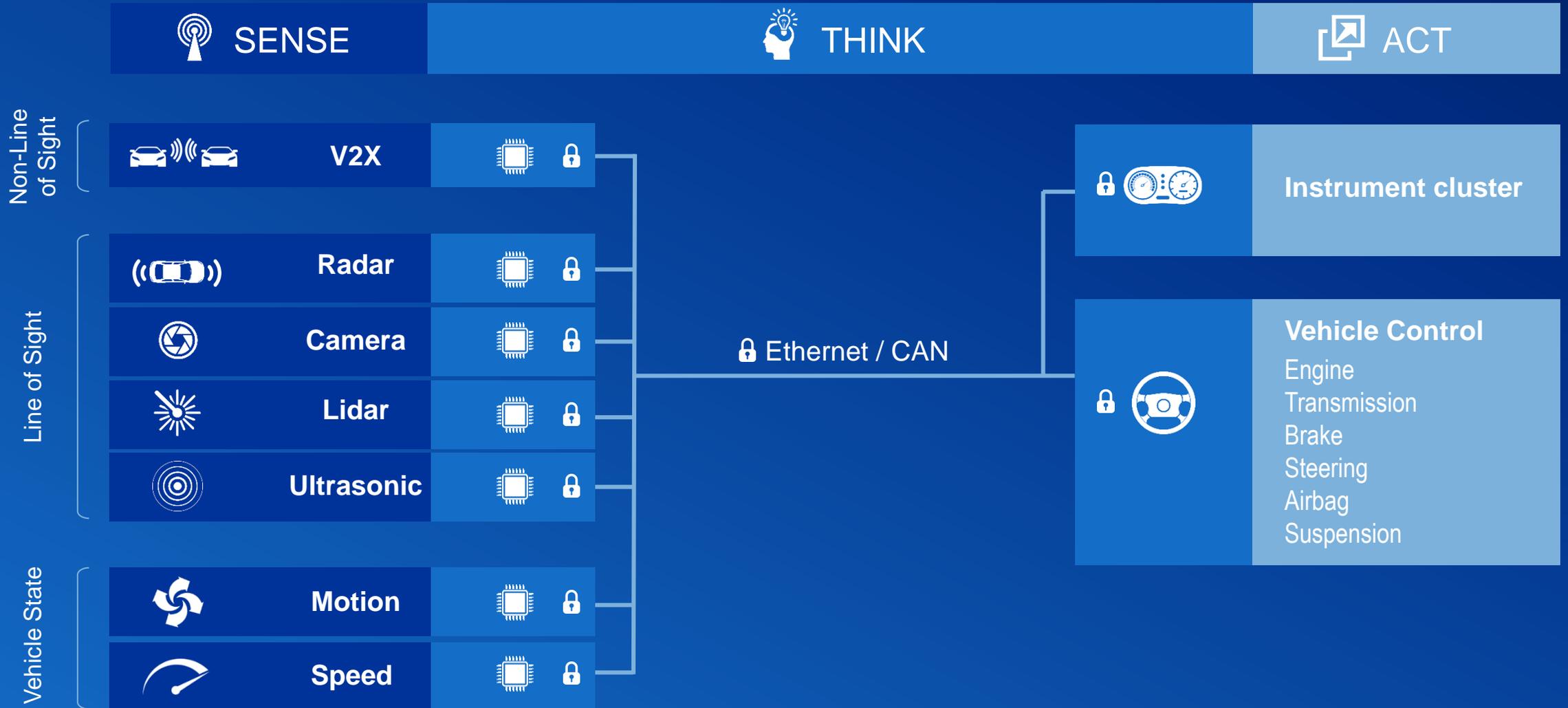
The Race to Self-Driving: Evolution or Revolution?



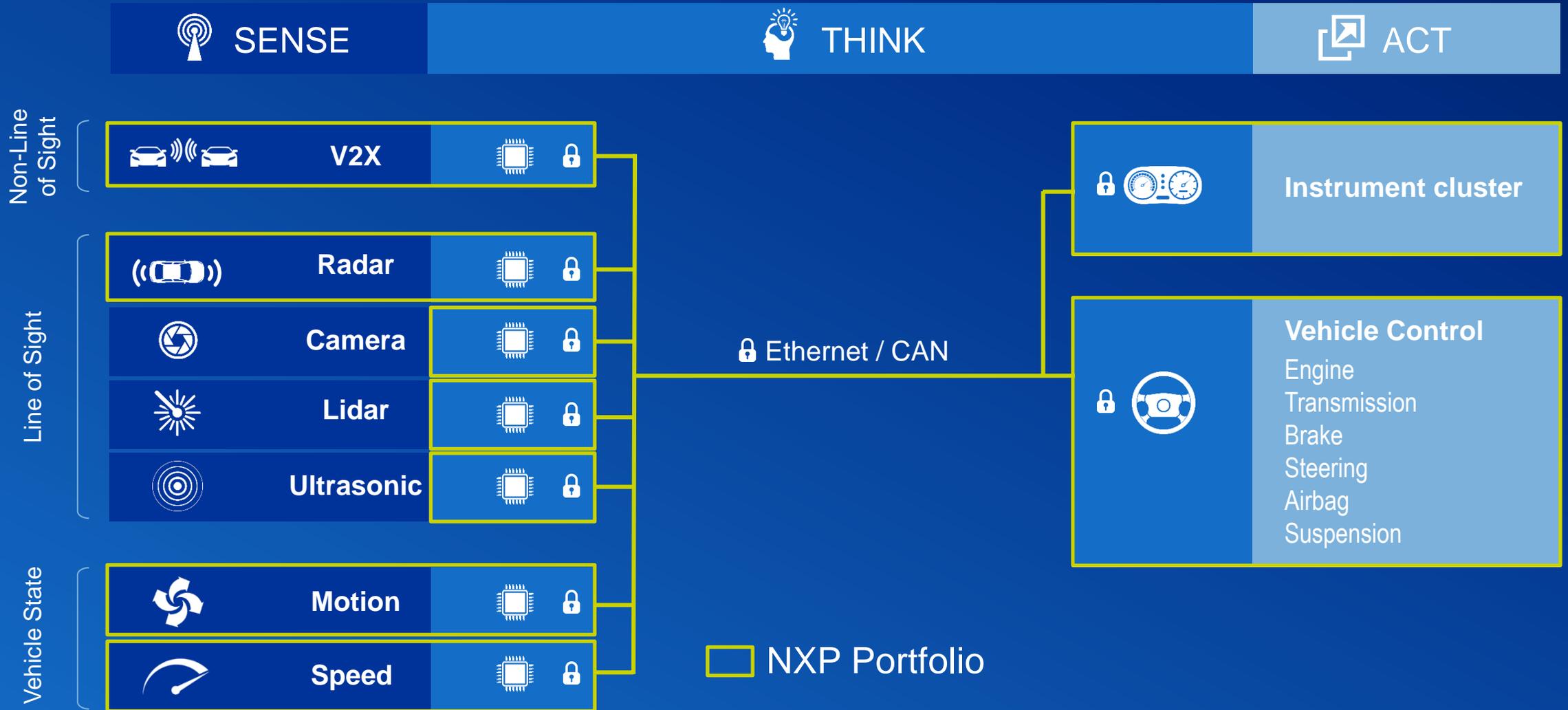
Higher Levels of Automation Need Many Complementary Sensors



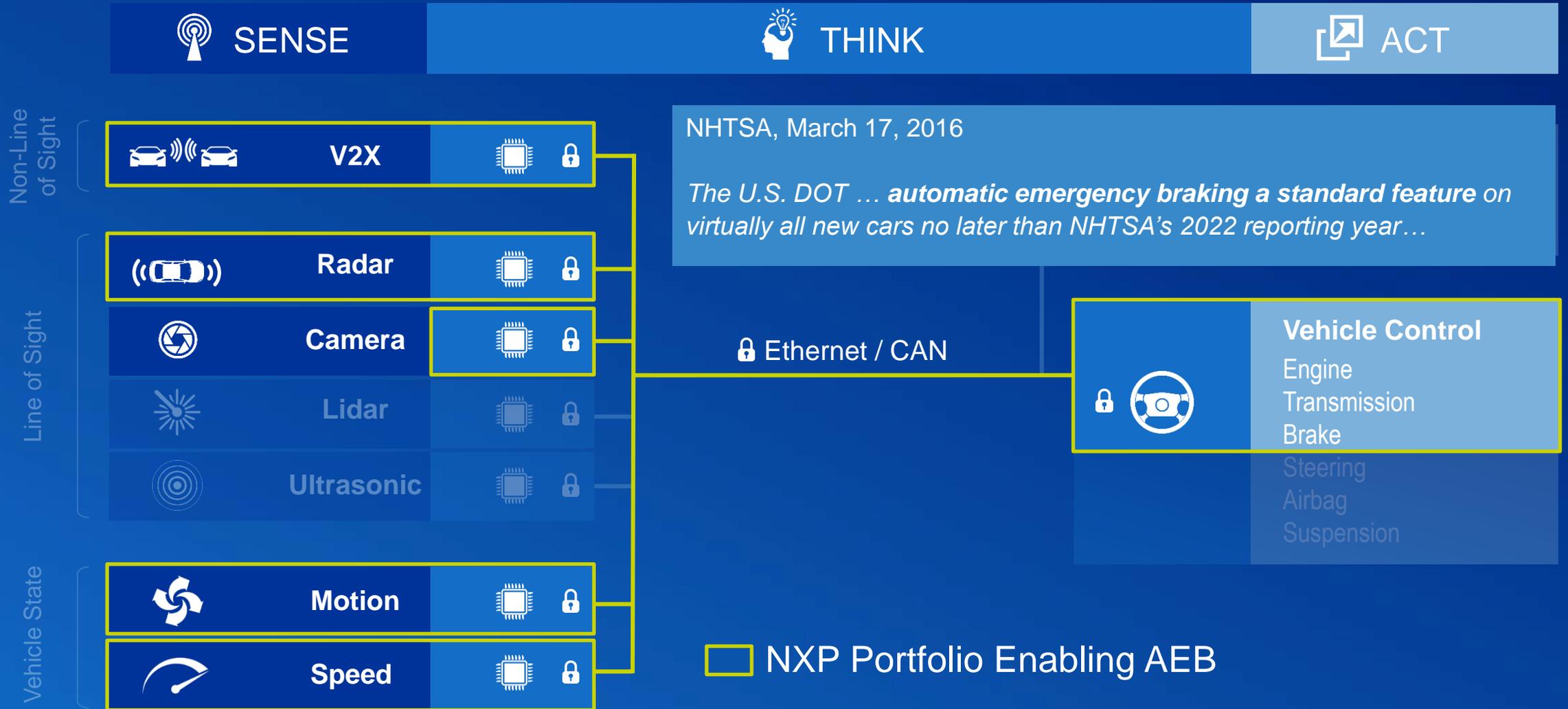
ADAS – Real-Time Network of Sensors, Processors and Actuators



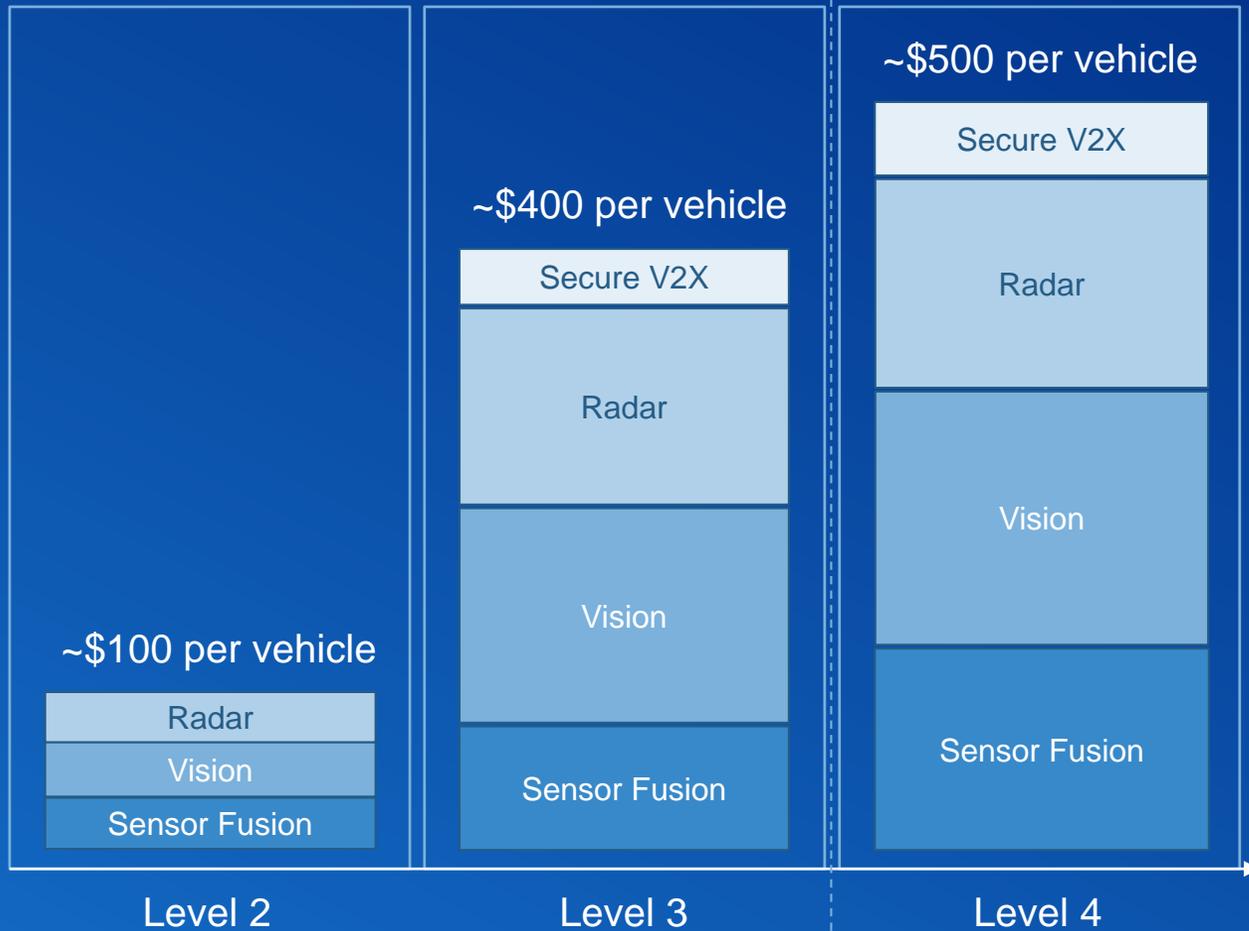
ADAS – Real-Time Network of Sensors, Processors and Actuators



Automatic Emergency Braking Accelerating ADAS Market

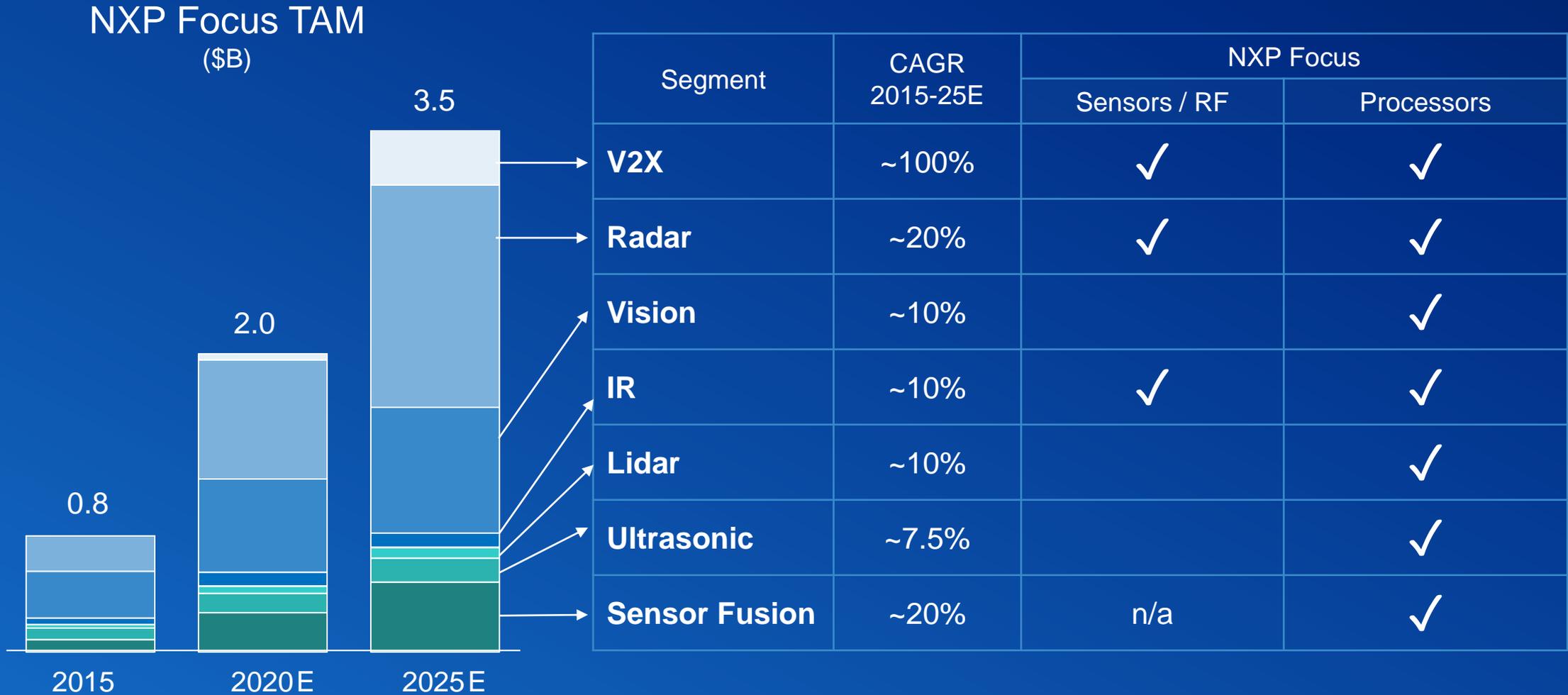


Semiconductor Content Scales with Automation Level

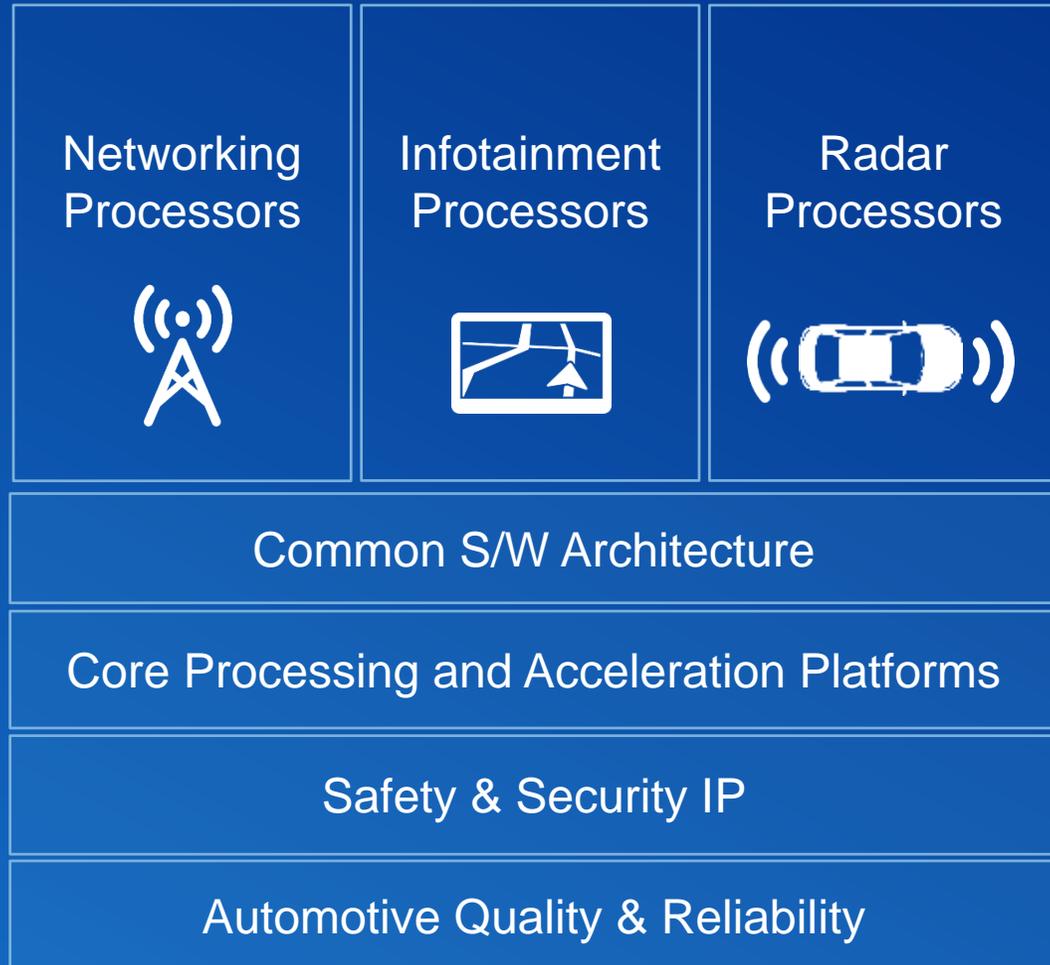


- Safety requirements accelerate L3 adoption ahead of self-driving cars
- Majority of safety benefits achieved by L2-3 automation
- L3 captures 80% of growth opportunity

ADAS: \$3.5B Focus TAM by 2025E @ 15% CAGR



ADAS Processor Leadership



AGENDA

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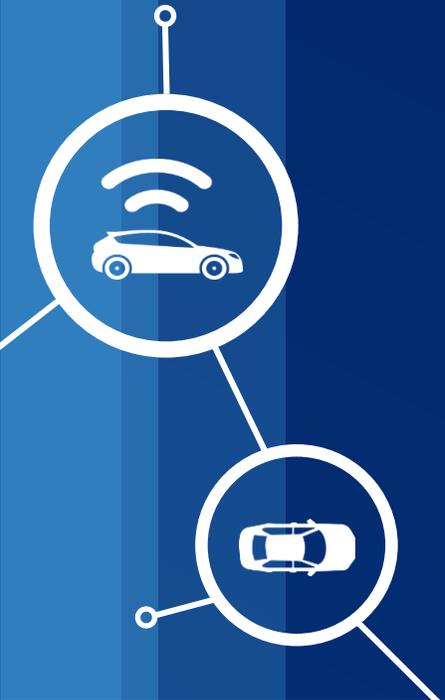
General

Radar

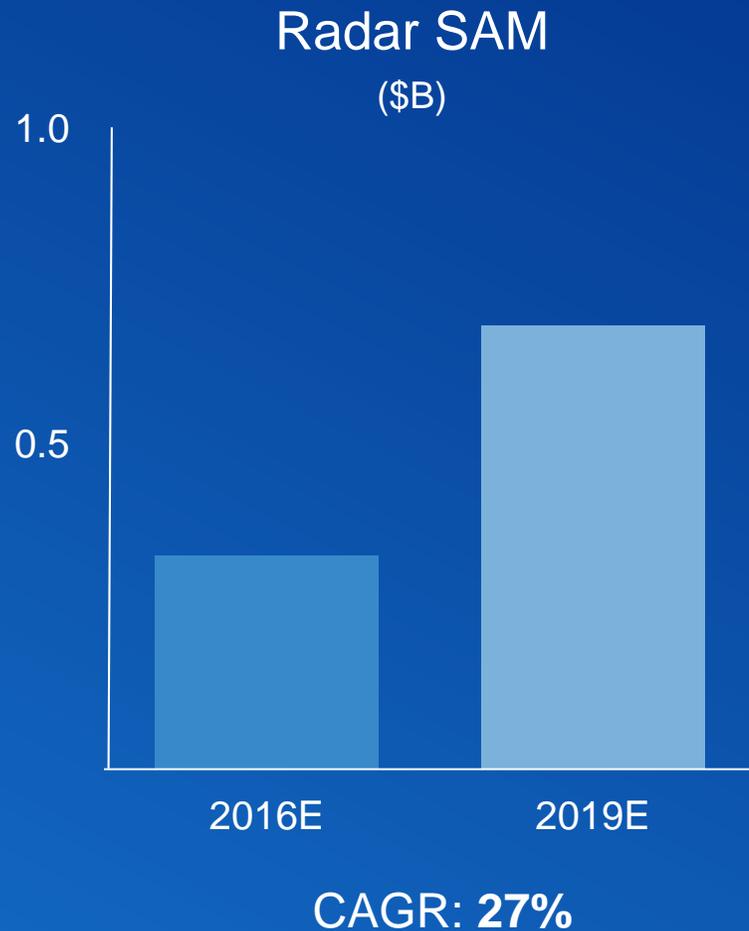
Secure V2X

Security

04 SUMMARY



Radar: Explosive Growth Opportunity

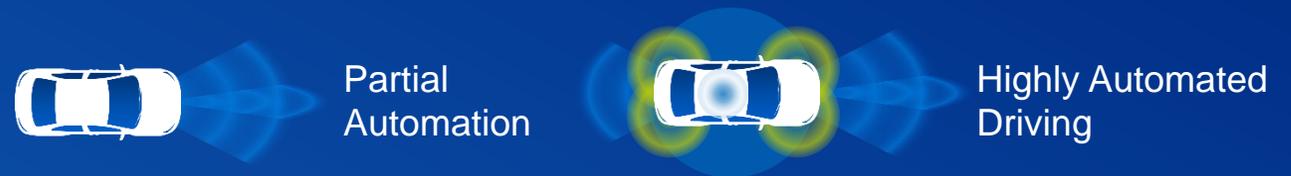


More cars with radar

“Toyota plans to make automatic emergency braking a standard feature by the end of 2017”

Automotive News, March 2016

More radar sensors per vehicle



Additional use-cases emerging



Parking
(Ultrasonic Replacement)

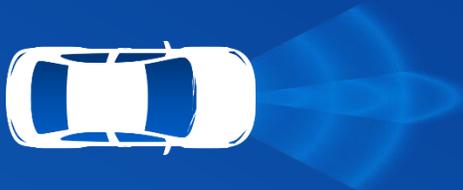


Gesture Control
(Infotainment HMI)

Leading Radar Innovation

LEVEL 1-2

FRONT



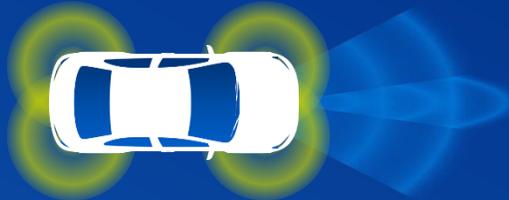
\$15-35 per vehicle
1-3 radars per vehicle

Scalable Transceiver
Platform

Processor

LEVEL 3

CORNER + FRONT



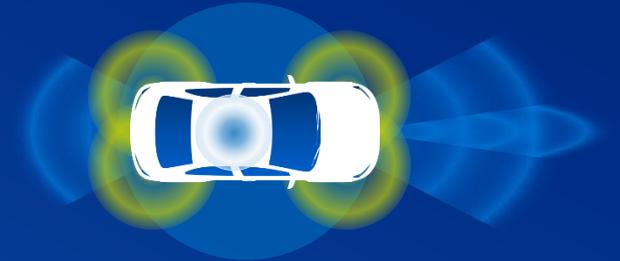
\$35-60 per vehicle
3-6 radars per vehicle

One-Chip
Transceiver

Processor

LEVEL 4

360° COCOON



\$120-220 per vehicle
up to 20 radars per vehicle

RFCMOS
One-Chip

One-Chip
Transceiver

Processor

Design Win Pipeline Filled For Radar Leadership by 2019E



9 out of top 10 ADAS Tier-1s are expected to use NXP-based solution by 2019E

Safe and Secure Mobility

KURT SIEVERS

Executive Vice President and General Manager,
Automotive



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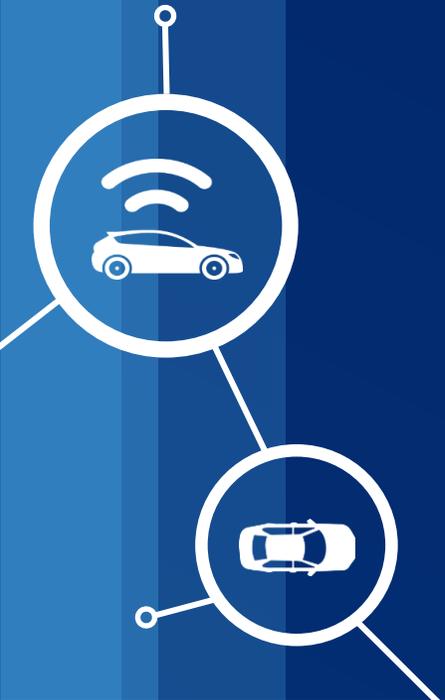
General

Radar

Secure V2X

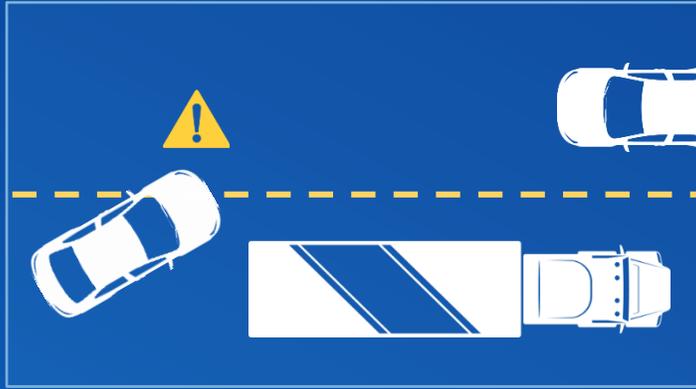
Security

04 SUMMARY

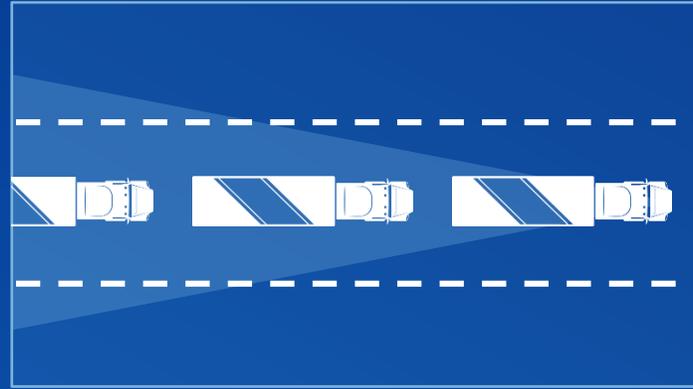


Secure V2X – ADAS Full Potential

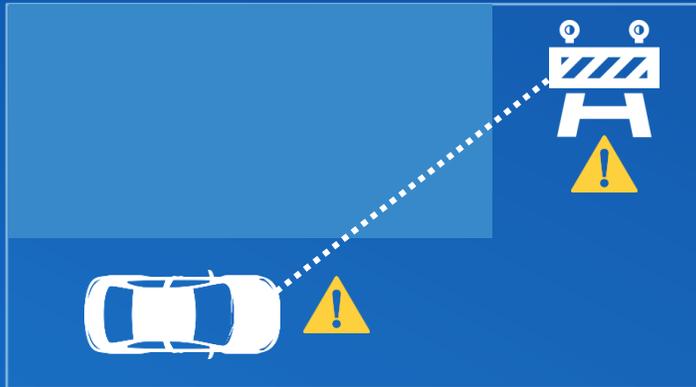
Vehicle Approaching
“Do Not Pass!”



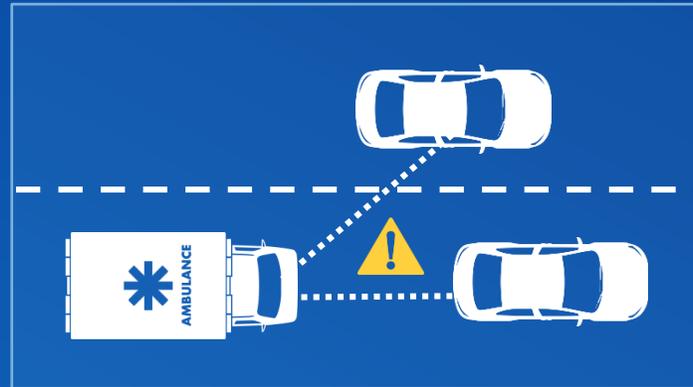
Platooning
30 Feet Gap @ 50mph



Roadwork Beyond Line-of-Sight



Emergency Vehicle Warning



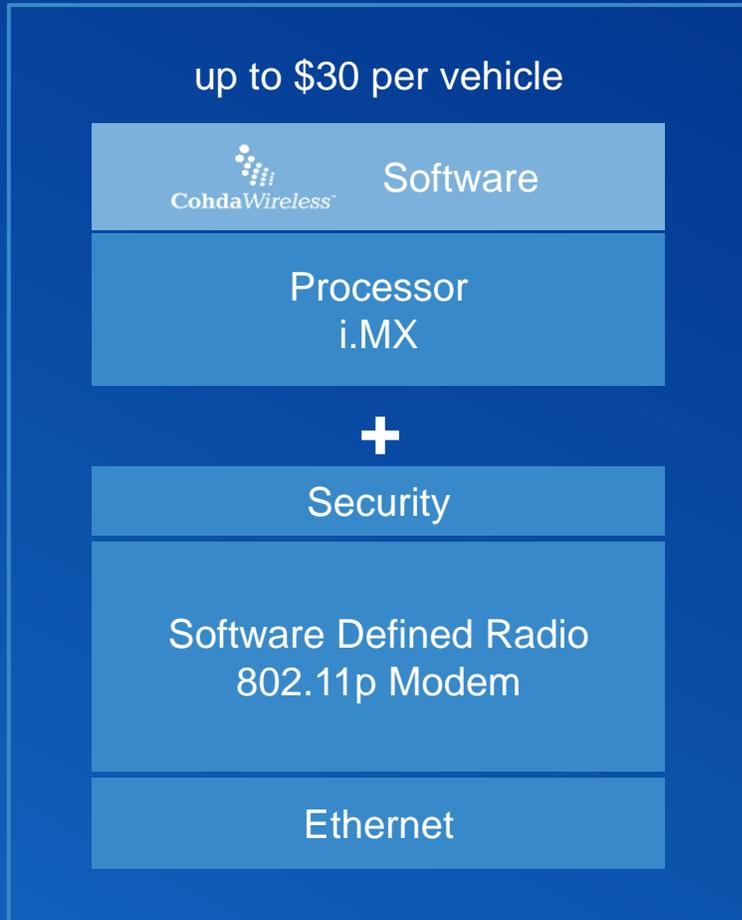
Connecting cars

- Beyond-line-of-sight
- From sensing to communicating
- Direct communication, no network
- Fully secure

Societal benefits (US DOT)

- Save >1,000 lives / year
- Reduce 2.3M non-fatal injuries
- Save society \$871 billion annually

New NXP Offers Most Complete Secure V2X System Solution



NXP V2X Smart Antenna Module

Strong value proposition

- Innovation leader in secure V2X
- Highest performance
 - 1.5 Miles distance
 - 5 msec latency
 - Field-tested by Audi

Powerful system play

- Integral software + hardware solution
- Scalability
- Secure element

In Pole Position to Lead in Secure V2X



Government



- Mandate expected 2016E



- Corridor test drive (AT, DE, NL)



- ERPII launch 2019E / 2020E



- Plan to mandate for 2020E



Customers, Partners & Field Trials



- SoP MY2017 (Delphi)



- EcoTwin truck platooning



- Smart City Challenge USA



- Harman platform design win

AGENDA

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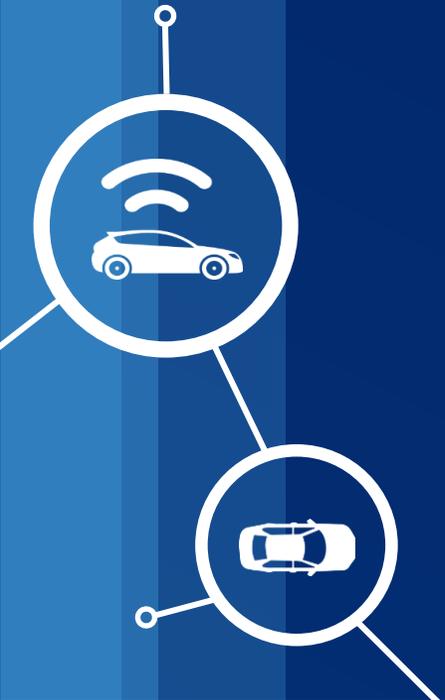
General

Radar

Secure V2X

Security

04 SUMMARY



Security Foundational for the Connected Car



Protect privacy

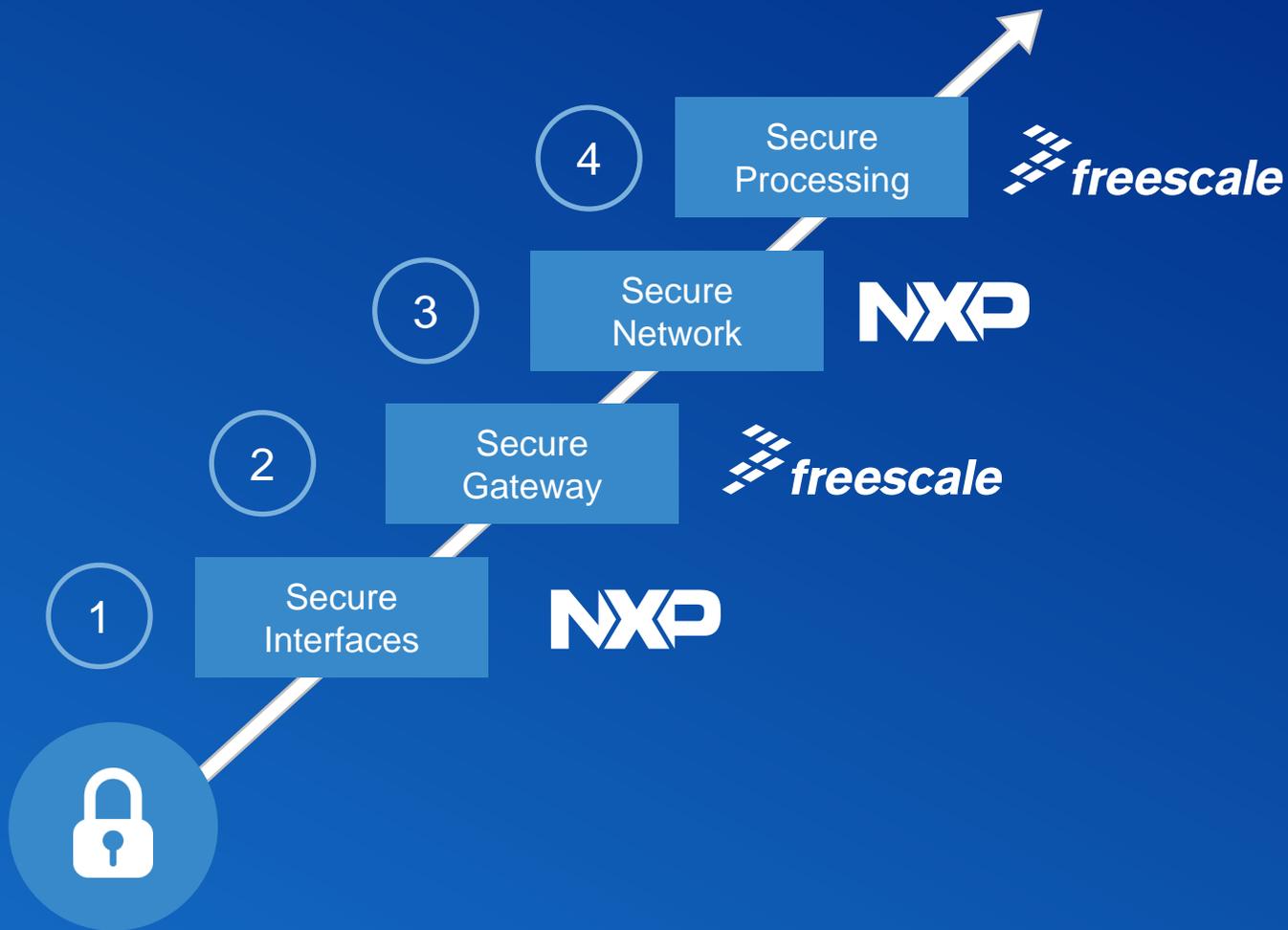


Prevent unauthorized access



Increase safety

New NXP Offers Most Scalable Auto Cybersecurity Solution



NXP #1 Automotive Hardware Security

4-Layer security solution

- Secure wireless interfaces – HW crypto
- Secure gateway – separation of concerns
- Secure in-vehicle network communication
- Secure application processing

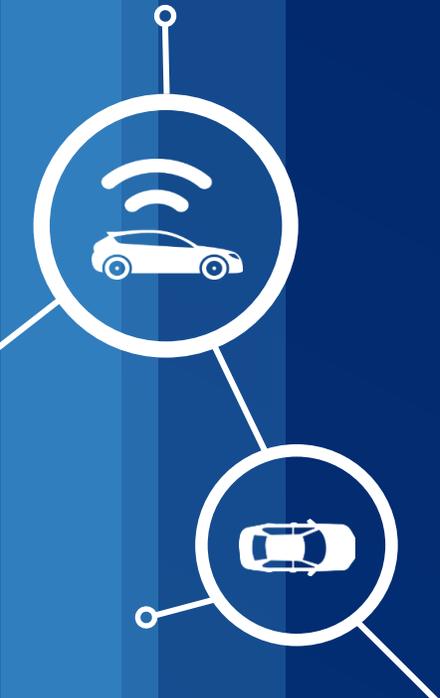
AGENDA

01 MARKET & STRATEGY

02 CORE BUSINESS GROWTH

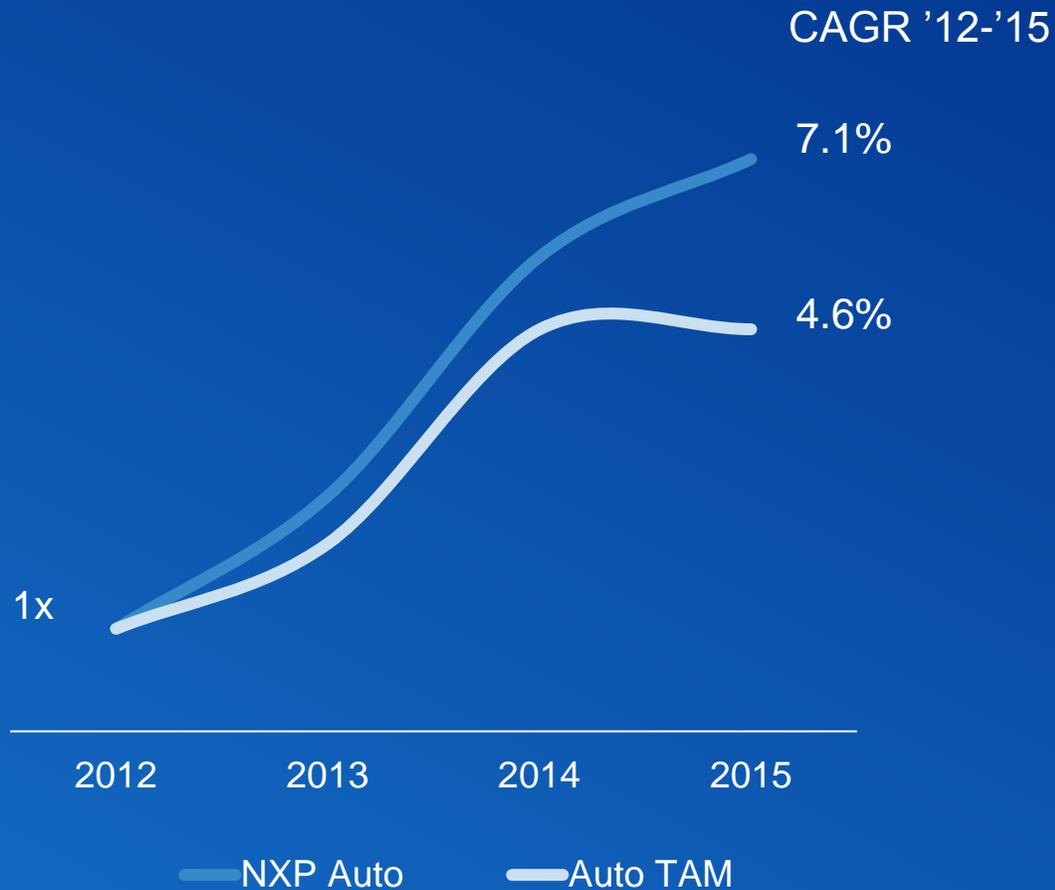
03 ADAS & SECURITY

04 SUMMARY



Track Record of 1.5x TAM Growth from 2012-2015

NXP Auto Growth vs Auto TAM
(Normalized, % Growth)



NXP Auto has outgrown TAM by 1.5x

- RMS leadership
- SAM expansion through innovation
- Trusted partner of global auto industry

Auto Growth Strategy

ADAS and Security			
Technology Leadership		Application Leadership	
#1 Infotainment	#1 Car Access	#1 Body & IVN	#1 Safety
Trusted partner of the global auto industry			
90% of auto innovation through electronics Sticky market, high barriers to entry			

New business

- Innovation leader in ADAS & security

Core business

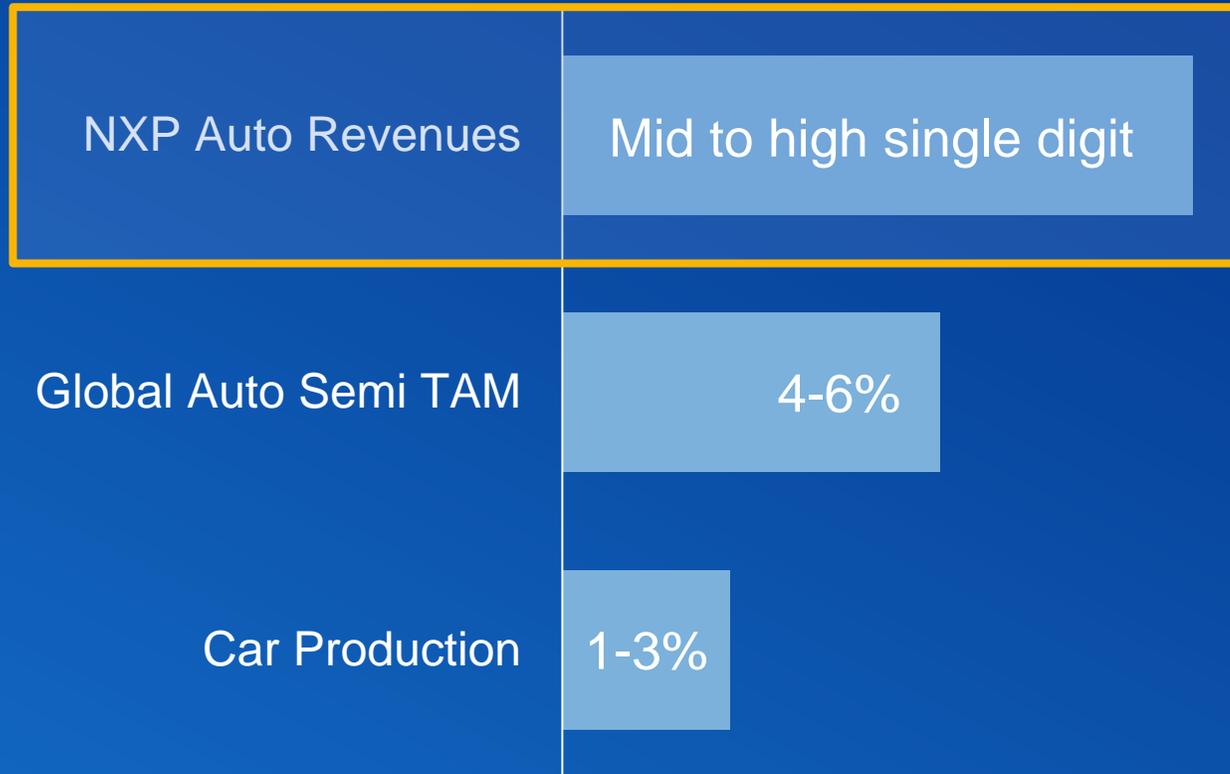
- Profitable & sustained growth secured

Foundation

- Trusted partner (#1) in attractive market

Auto Growth Summary

2016E – 2019E 3-Year CAGR



NXP outgrows TAM by >1.5x

- Trusted partner
- High RMS franchises
- Innovation leadership

ADAS expected to approach ~10% of total 2019E expected revenues

The NXP logo is rendered in a bold, white, sans-serif font. The letters 'N', 'X', and 'P' are interconnected, with the 'X' having a distinctive shape where the two vertical strokes are slightly offset. The background is a solid dark blue.

SECURE CONNECTIONS
FOR A SMARTER WORLD

A large, multi-story office building with a grid of windows is visible in the background, tinted in a dark blue color. On the right side of the building, there is a sign with the letters 'NXP' in a light blue color.

NXP

NXP Semiconductors Summary

RICK CLEMMER

President & Chief Executive Officer



Key Messages Today

Growth drivers

- **Auto:** analog, ADAS, infotainment
- **SIS:** transit & access, eGovernment, banking
- **SCD:** MPU, mobile transactions, MCU
- **SI&I:** high speed I/F, RF Power, smart antennas

Strong financial returns

- Revenue growth: 5-7%
- Non-GAAP EPS CAGR: ~15%+
- 2019E Non-GAAP Adjusted EBITDA: \$4B+
- Returning excess cash to shareholders

NXP Value Proposition



True Leadership Driving RMS

FOCUSED ON RMS > 1.5x



Multiple High Growth Markets

PROFITABLE GROWTH



World-Class Expertise & Team

CUSTOMER-FOCUSED PASSION TO WIN



Operational Excellence + Benchmark Cost Structure

STRONG CASH GENERATION

MAXIMIZE SHAREHOLDER VALUE

The NXP logo is rendered in a bold, white, sans-serif font. The letters 'N', 'X', and 'P' are interconnected, with the 'X' having a distinctive shape where the two vertical strokes are slightly offset. The background is a solid dark blue.

SECURE CONNECTIONS
FOR A SMARTER WORLD

A large, multi-story office building with a grid of windows is visible in the background, tinted in a lighter shade of blue. A sign on the top right corner of the building displays the NXP logo in green.

NXP