STMicroelectronics
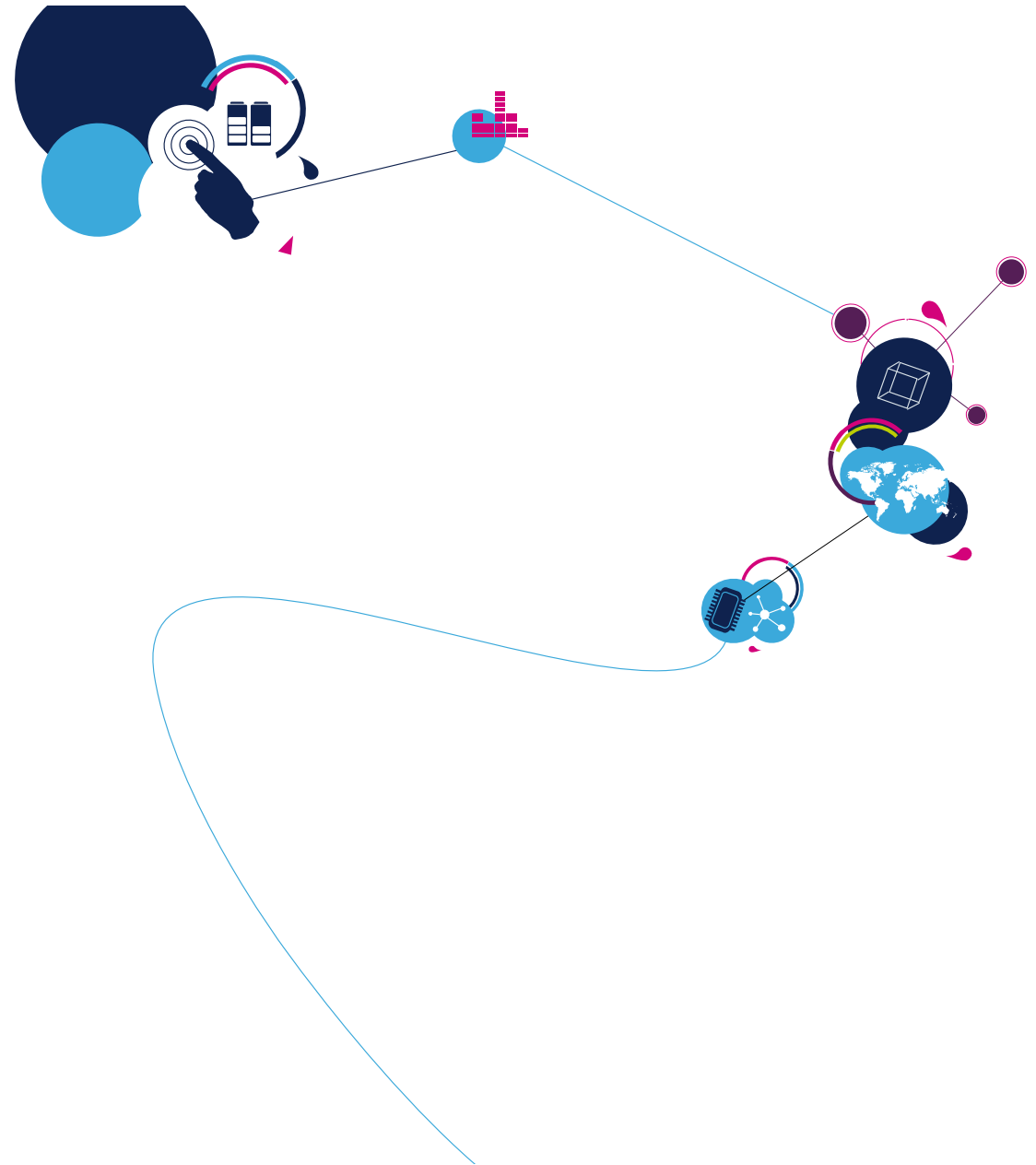
Consumer Electronics Show
January 6, 2014 – Las Vegas

Bob Krysiak

Executive Vice President

President, Americas Region

life.augmented

Agenda

Time	Topic
4:00 pm	Introduction
4:05 pm	Strategy, markets and business
4:45 pm	Q&A
5:00-6:00 pm	Demo Tour

Some of the statements contained in this release that are not historical facts are statements of future expectations and other forward-looking statements (within the meaning of Section 27A of the Securities Act of 1933 or Section 21E of the Securities Exchange Act of 1934, each as amended) that are based on management's current views and assumptions, and are conditioned upon and also involve known and unknown risks and uncertainties that could cause actual results, performance or events to differ materially from those anticipated by such statements, due to, among other factors:

- uncertain macro-economic and industry trends;
- customer demand and acceptance for the products which we design, manufacture and sell;
- unanticipated events or circumstances which may either impact our ability to execute the planned reductions in our net operating expenses and / or meet the objectives of our R&D Programs which benefit from public funding; •future events or circumstances which may require us to reassess our current plans concerning the break up and wind down of our ST-Ericsson joint venture;
- the loading and the manufacturing performances of our production facilities;
- the functionalities and performance of our IT systems, which support our critical operational activities including manufacturing, finance and sales;
- variations in the foreign exchange markets and, more particularly, in the rate of the U.S. dollar exchange rate as compared to the Euro and the other major currencies we use for our operations;
- the impact of intellectual property ("IP") claims by our competitors or other third parties, and our ability to obtain required licenses on reasonable terms and conditions;
- restructuring charges and associated cost savings that differ in amount or timing from our estimates;
- changes in our overall tax position as a result of changes in tax laws, the outcome of tax audits or changes in international tax treaties which may impact our results of operations as well as our ability to accurately estimate tax credits, benefits, deductions and provisions and to realize deferred tax assets;
- the outcome of ongoing litigation as well as the impact of any new litigation to which we may become a defendant;
- natural events such as severe weather, earthquakes, tsunami, volcano eruptions or other acts of nature, health risks and epidemics in locations where we, our customers or our suppliers operate;
- changes in economic, social, political or infrastructure conditions in the locations where we, our customers or our suppliers operate including as a result of macro-economic or regional events, military conflict, social unrest or terrorist activities;
- availability and costs of raw materials, utilities, third-party manufacturing services, or other supplies required by our operations;

Such forward-looking statements are subject to various risks and uncertainties, which may cause actual results and performance of our business to differ materially and adversely from the forward-looking statements. Certain forward-looking statements can be identified by the use of forward looking terminology, such as "believes," "expects," "may," "are expected to," "should," "would be," "seeks" or "anticipates" or similar expressions or the negative thereof or other variations thereof or comparable terminology, or by discussions of strategy, plans or intentions.

Some of these risk factors are set forth and are discussed in more detail in "Item 3. Key Information — Risk Factors" included in our Annual Report on Form 20-F for the year ended December 31, 2012, as filed with the SEC on March 4, 2013. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described in this release as anticipated, believed or expected. We do not intend, and do not assume any obligation, to update any industry information or forward-looking statements set forth in this release to reflect subsequent events or circumstances.
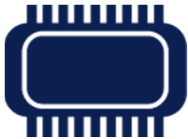
ST's vision and strategy

OUR VISION

Everywhere microelectronics make a positive contribution to people's lives, there is ST

OUR STRATEGY

Leadership in Sense & Power, Automotive Products and Embedded Processing Solutions

OUR 5 GROWTH DRIVERS

MEMS and Sensors

Smart Power

Automotive

Microcontrollers

Digital Consumer & ASICs

Smart energy usage

Embedded intelligence

Opportunities for ST in Connected Devices
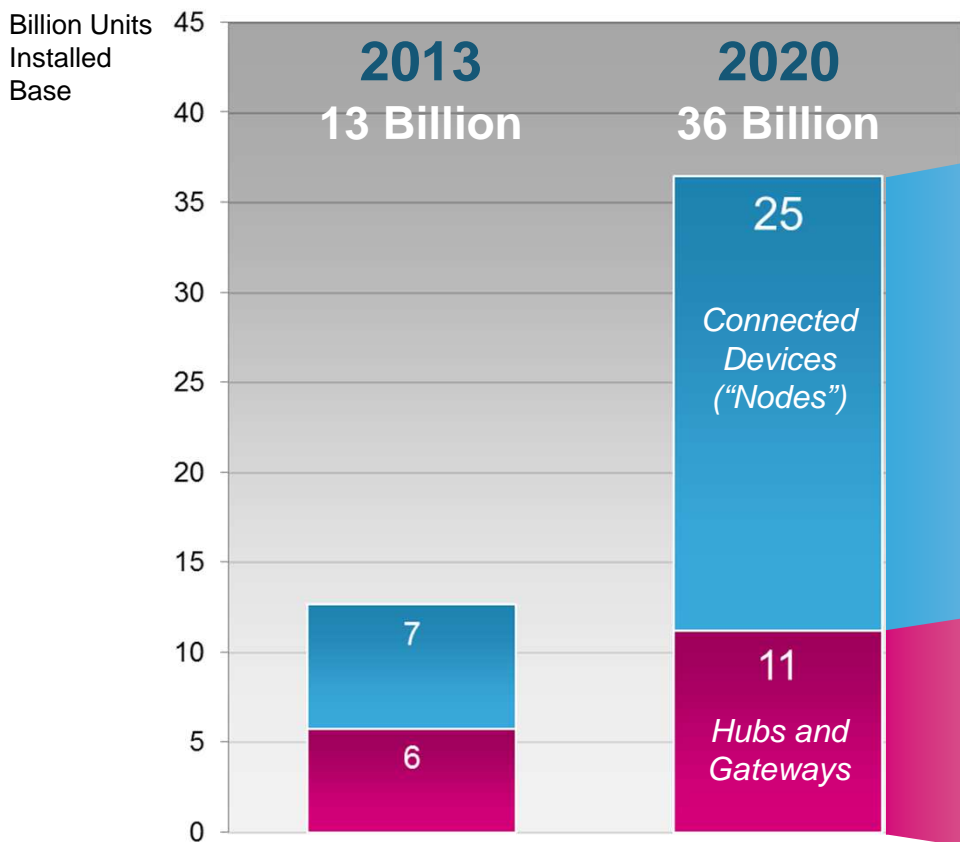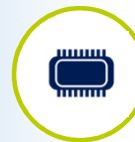
Billion Units Installed Base

2013
13 Billion

2020
36 Billion

45
40
35 — 25
30 — *Connected Devices ("Nodes")*
25
20
15
10 — 7 — 11
5 — 6 — *Hubs and Gateways*
0

MEMS and Sensors

Microcontrollers

Smart Power

Automotive

Digital Consumer & ASICs

Source: ABI Research

ST Leader in Set-Top-Box

Long-standing market leadership in Set-Top Box

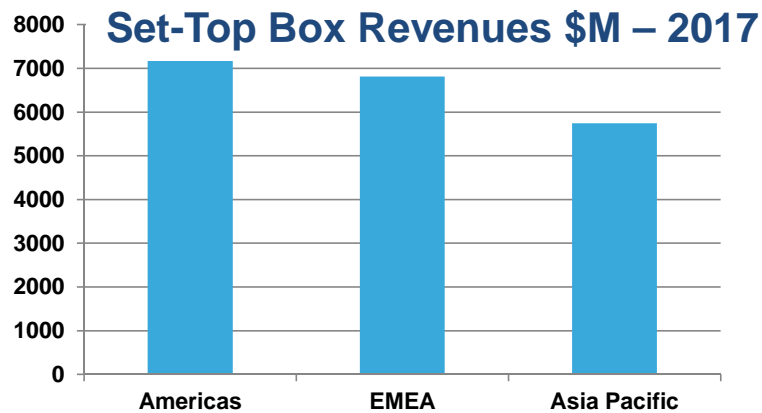| #2	Worldwide
>1 B	MPEG Decoders cumulative shipments

- **Market leadership** in Set-Top-Box through focused portfolio

- Complete portfolio for the **US cable market**

- Leading the transition to the **HEVC** and **Ultra HD** Client/Server and Home Gateway

- Established **worldwide ecosystem** of partners and 3rd parties
  - Middleware vendors and integrators
  - Content management and security solutions
  - Services and application provider

- **World-class IP portfolio**, enabling Ultra HD multi-screen video processing & seamless home connectivity

Source: IHS iSuppli, ST

TAM Distribution by geography

Set-Top Box Revenues $M – 2017

Bar chart (values in thousands, y-axis 0 to 8000):
- Americas: ~7200
- EMEA: ~6800
- Asia Pacific: ~5750

Americas

- High value market
- $1.6B TAM in 2013 for ST

HD/UHD and Gateway/Client

Shipments 000's

Stacked bar chart (y-axis 0 to 140,000), legend:
- Gateways and Clients
- HD

Years: 2012, 2013, 2014, 2015, 2016, 2017
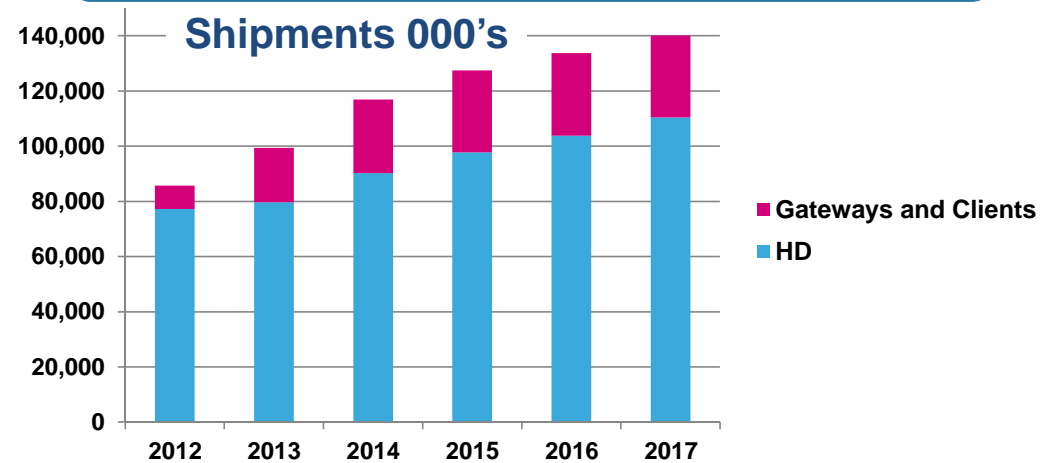
HD/UHD

- Fast-growing segment
- HEVC deployment

Transition to Client & Server models happening now

Source: IHS iSuppli STB Market Monitor Q3 2013, ST

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From Broadcast Set-Top Box to Cloud-Connected Clients
Home Gateways to Manage Home Clouds with Multiple Clients

Medium Screen Clients

Small Screen Clients

Big Screen Client

Home Automation Clients

Home Cloud

Personal Clients

Broadcast Set-Top Box

Connected Client

Network Cloud

Home Gateway

On the Move
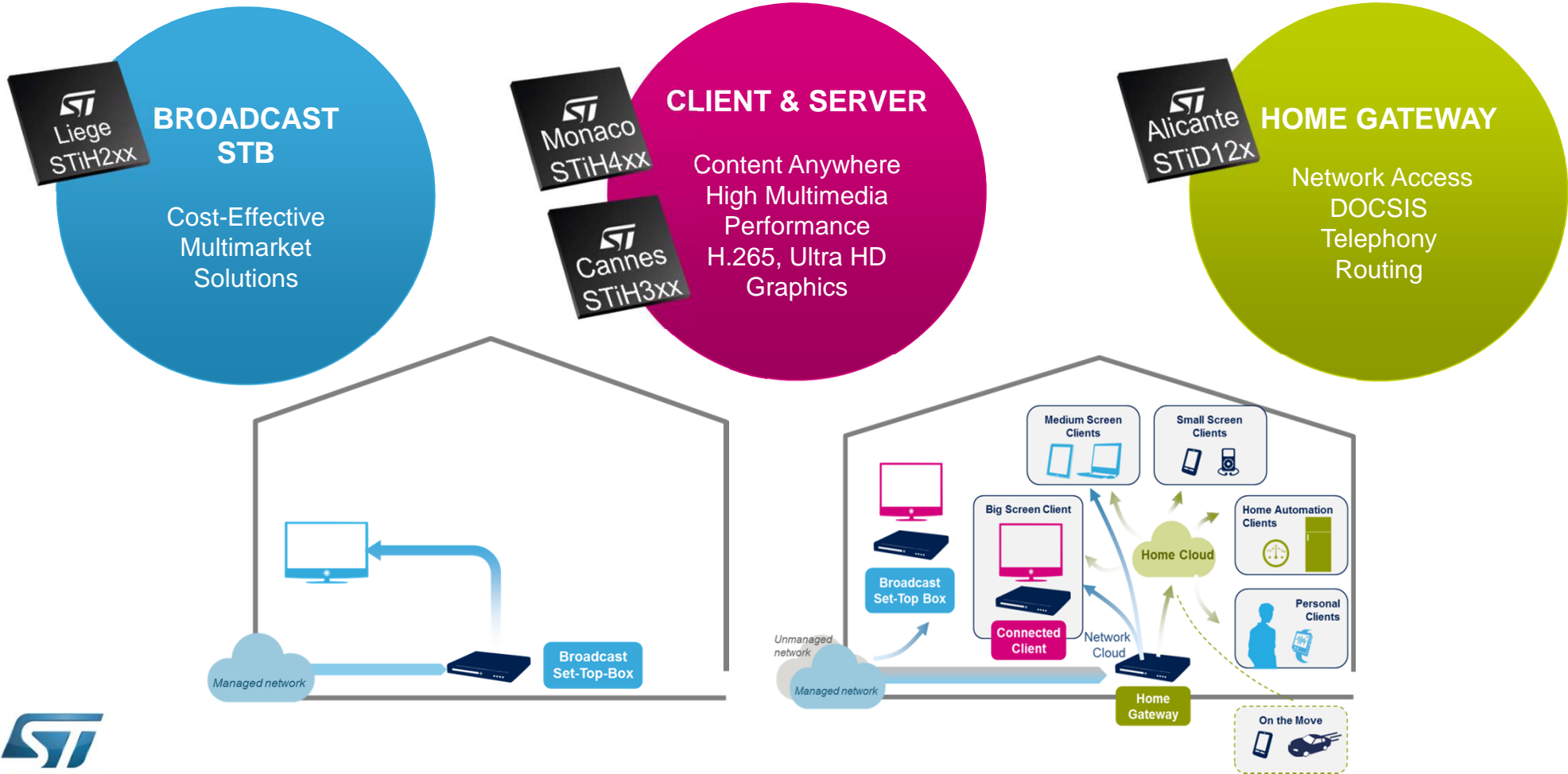
Unmanaged network
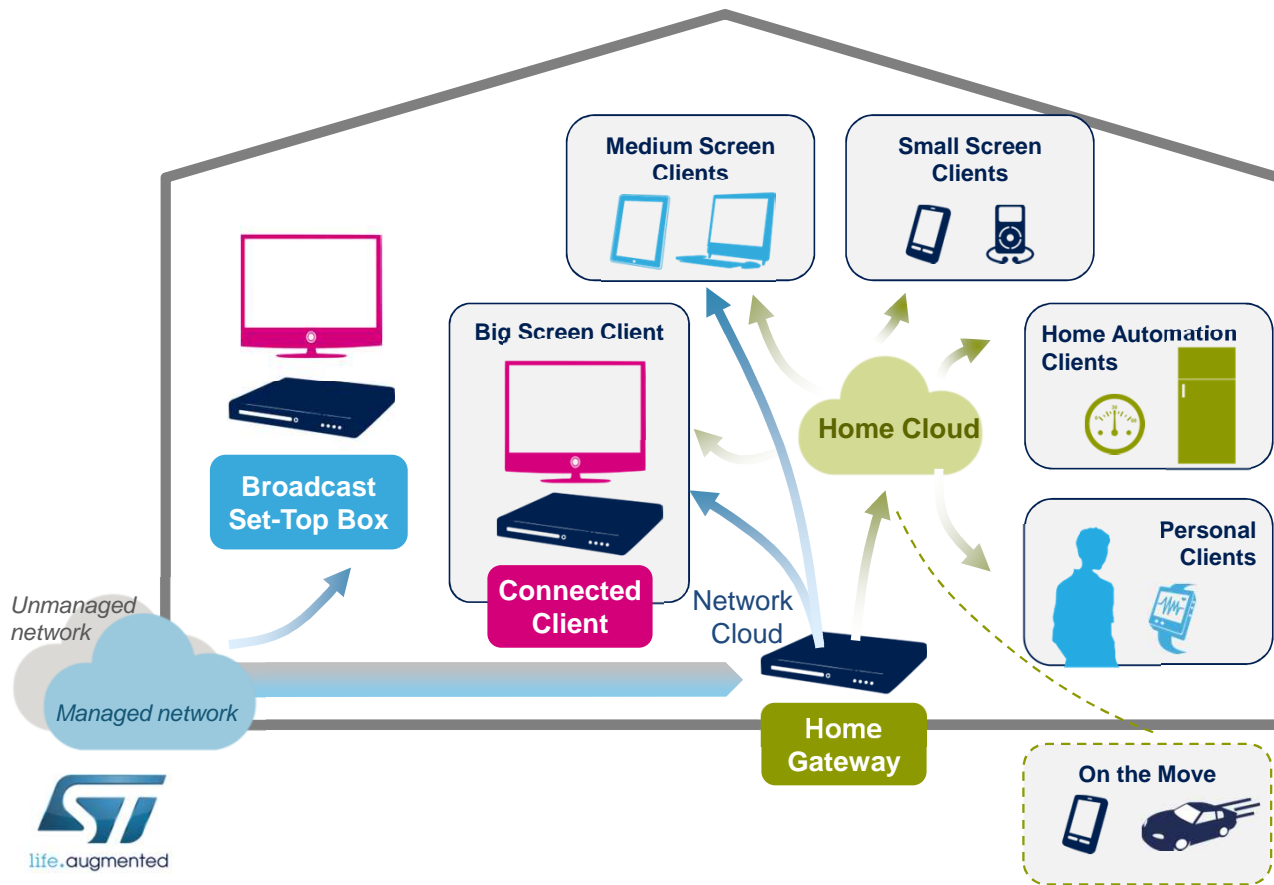
Managed network

Any client benefits from managed network services

New applications across multiple clients

QoS thanks to Multimedia Gateway acting as a cloud proxy

Home-services continuity for mobile clients

Complete Product Portfolio

BROADCAST STB

Liege STiH2xx

Cost-Effective Multimarket Solutions

CLIENT & SERVER

Monaco STiH4xx

Cannes STiH3xx

Content Anywhere
High Multimedia
Performance
H.265, Ultra HD
Graphics

HOME GATEWAY

Alicante STiD12x

Network Access
DOCSIS
Telephony
Routing

Managed network

Broadcast Set-Top-Box

Unmanaged network

Managed network

Broadcast Set-Top Box

Big Screen Client

Connected Client

Medium Screen Clients

Small Screen Clients

Home Cloud

Home Automation Clients

Personal Clients

Network Cloud

Home Gateway
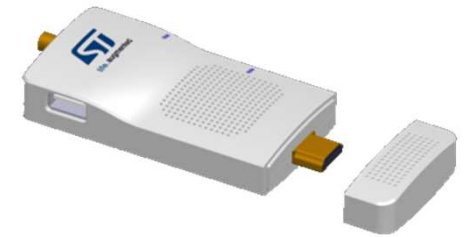
On the Move

BROADCAST STB

Cost-Effective Multimarket Solutions

Most Optimized Broadcast Solutions

Worldwide deployment with over 50 part numbers

Accelerating Time-To-Market

Best-in-class performances for future-proof solutions

Broad Ecosystem of Partners

BROADCAST STB

Cost-Effective Multimarket Solutions

STiH237

Cisco Technology
Pre-Integrated Design

OpenTV 5
STiH273
Optimized Integration of OpenTV for Broadcast Set-Top Box

HTML5 / Opera
STiH207
Advanced User Interface with Full Support of HTML5

23x23 package
STiH273
Smooth User Interface with httv Middleware

HDMI dongle
STiH207
SmarDTV Middleware Integration on Dongle Form Factor

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Leading in Ultra HD & HEVC Video Technologies

CLIENT & SERVER

Content Anywhere
High Multimedia
Performance
H.265, Ultra HD
Graphics

HOME GATEWAY

Network Access
DOCSIS
Telephony
Routing

STiH3xx
Cannes

STiH4xx
Monaco

STiD12x
Alicante

Driving Operator & OEM CAPEX optimization

Enabling large-scale Ultra HD deployments

Bringing an exciting new experience to the consumer

UHD - 3840 x 2160

Full HD - 1920 x 1080
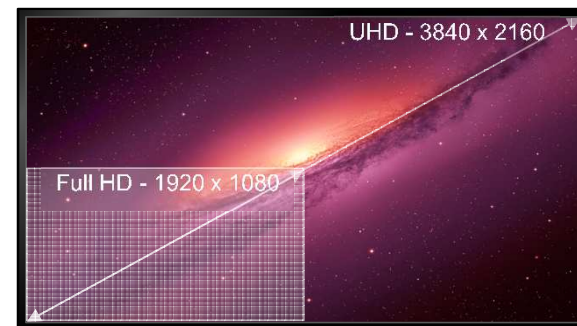
ULTRAHD

HEVC

H.265 - HIGH EFFICIENCY VIDEO CODING

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Complete HEVC/H.265 Line up
for Client & Servers

Benefits

- 4K/UHD HEVC/H.265 to capture emerging 4K VOD and Catch-Up TV services
- Simultaneous graphics rendering with high-performance GPU
- Graphics engines optimized for smooth-swipe User Interface
- HTML5 Advanced UI for seamless experience across all screens

- Multiple middleware partners: Cisco Technology, Wyplay, SoftAtHome
- Mature SW Development Kit (SDK2)

HEVC
H.265 - HIGH EFFICIENCY VIDEO CODING

ULTRAHD

UHD - 3840 x 2160

Full HD - 1920 x 1080

Cannes
STiH312

Monaco
STiH412

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Powering the Cloud in the Home

Android TV

- Android TV applications
- Integration of TEE (Trusted Execution Environment) & SDP (Secure Data Path)
- Linear-TV services integration

Cable Data Gateway

- STiD12x has DOCSIS 3.0 Certification by CableLabs®
- Outbound/Inbound phone call
- Complete SW stack from eRouter to packet cable

Data Gateway – Smart Home Services

- ST Smart Home as a service of the gateway
- Multi Standard connectivity support : Wi-Fi, ZigBee, Zwave, GreenNet, NFC….
- New sensors and use cases : eHealth, GreenNet

Content Anywhere - DLNA CVP2

- Securely distribute premium content to retail connected devices
- One Server Box per Home distributes the premium content of the service provider

Multi-Stream Transcode Network-Attached Storage

- Quad Transcode Server
- Addressing NAS emerging market

Advanced Use Case on Deployed Client

- Cloud gaming on deployed ARM-based solutions
- DLNA stack

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Complete Solution for US Cable Set-Top Box

Client & Server RDK Available NOW

- Leveraging open SW technology
- Partnering with key UI providers for US cable operators

RDK REFERENCE DESIGN KIT

Support of Zodiac Middleware

- Alternative to RDK for US cable market
- Interactive -television software middleware

zodiac INTERACTIVE™

OpenTV 5 Interactive Cable Gateway

- DOCSIS 3.0 complete Pay-TV multimedia gateway
- OTV5 Gravity Edge HTML5 user interface
- Servicing home client including transcoding

CL CableLabs CERTIFIED

Support of MoCA2 Connectivity

- Enables high-quality content distribution to multiple IP boxes
- In line with growing bandwidth of network access
- Improved quality of service (QoS)

MoCA Multimedia over Coax Alliance

Whole-Home Wi-Fi Connectivity

- High QoS/QoE Wi-Fi platform
- Seamless integration in set-top box
- WFA 802.11ac certified

WiFi

ST
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Towards Tomorrow's Digital Home
STi8K™ Architecture

- ARM® v8 Cortex™-A53/A57 64-bit processor technology
- FD-SOI 28nm process technology for the best power-to-performance ratio

+

CLIENT & SERVER

- 4K Ultra HD video at 60 frames per second
- 10-bit High Efficiency Video Coding (HEVC)
- 2D/3D graphics, native 4K resolution & OpenGL 3.0
- Smooth-swipe user interface
- HDMI 2.0 / HDCP2 for advanced secure connectivity
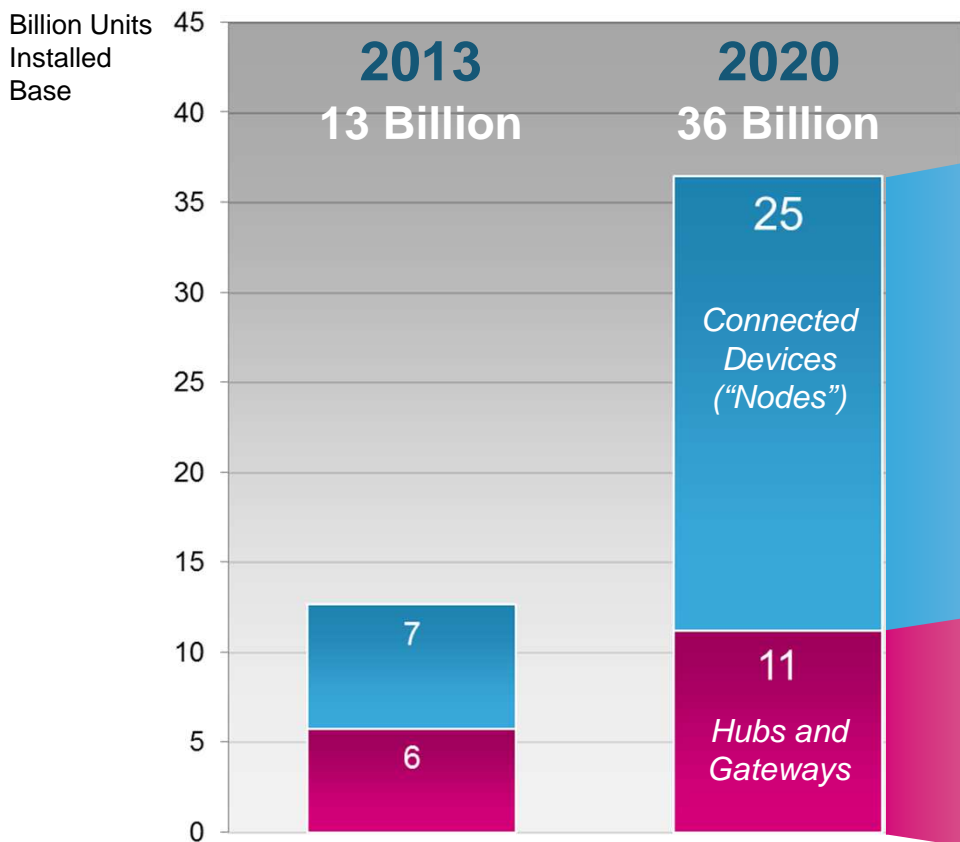
True Ultra HD experience

+

HOME GATEWAY

- DOCSIS 3.1 for uncompromised bandwidth
- Wire speed routing capabilities

**The future
Home Gateway solution**
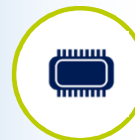
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Opportunities for ST in Connected Devices

Billion Units Installed Base

2013
13 Billion

2020
36 Billion

25
Connected Devices ("Nodes")

7

6

11
Hubs and Gateways

- MEMS and Sensors
- Microcontrollers
- Smart Power
- Automotive
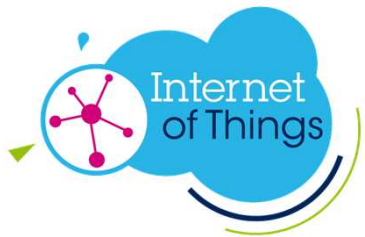- Digital Consumer & ASICs

Source: ABI Research

Existing Infrastructure

Global smartphone availability
(personal network)

Residential broadband penetration

IPv6

Cloud computing

Available Technologies

Inexpensive low-power processing

Tiny, inexpensive sensors
+ sensor-fusion software

Ultra-low-power connectivity

Battery technology + energy harvesting

Opening new business models

ST at the Heart of the IoT

ST has all the ingredients for the IoT

- A unique portfolio with all the key technologies & products

- Understanding the sensor-to-cloud value chain

- Engaging with a broad ecosystem

- Expertise in digital-security technologies

- State-of-the-art semiconductor technologies and high-volume production capabilities

Smart Energy Management

Sensors	LP Microcontrollers & Memories	ULP Connectivity

Internet of Things

Opportunities in Wearable

Wearable Electronic Devices

M Units

- Smartwatches
- Fitness / Sports / Wellness
- Smartglasses
- Other Consumer Devices
- Healthcare & medical

Wearable Devices SAM

$M

Sources: Strategy Analytics, ABI Research, ST
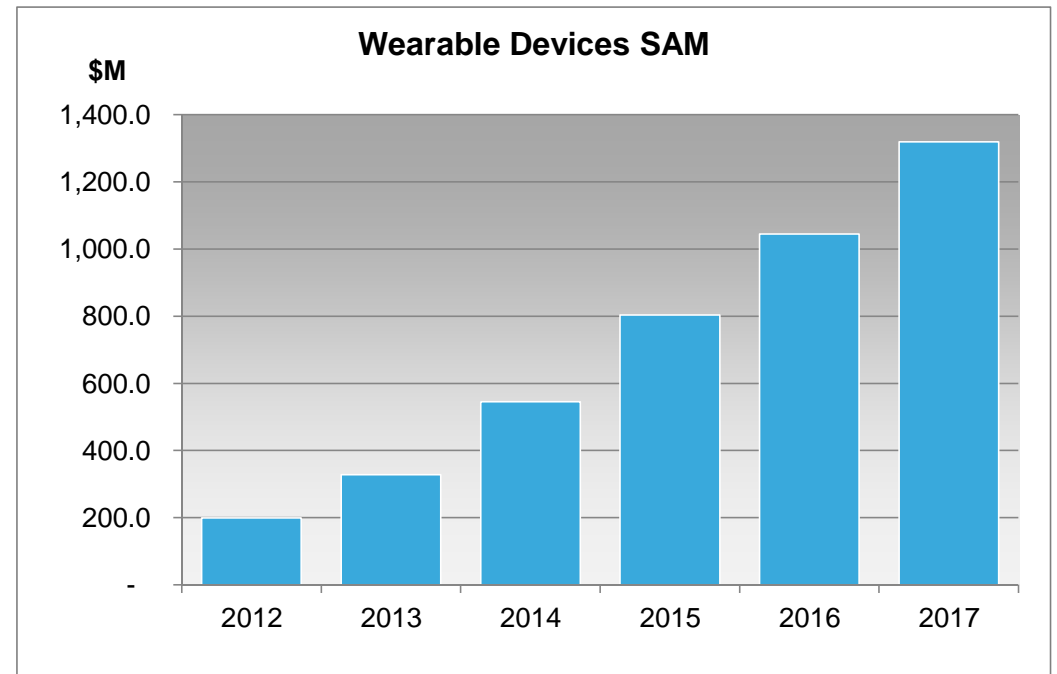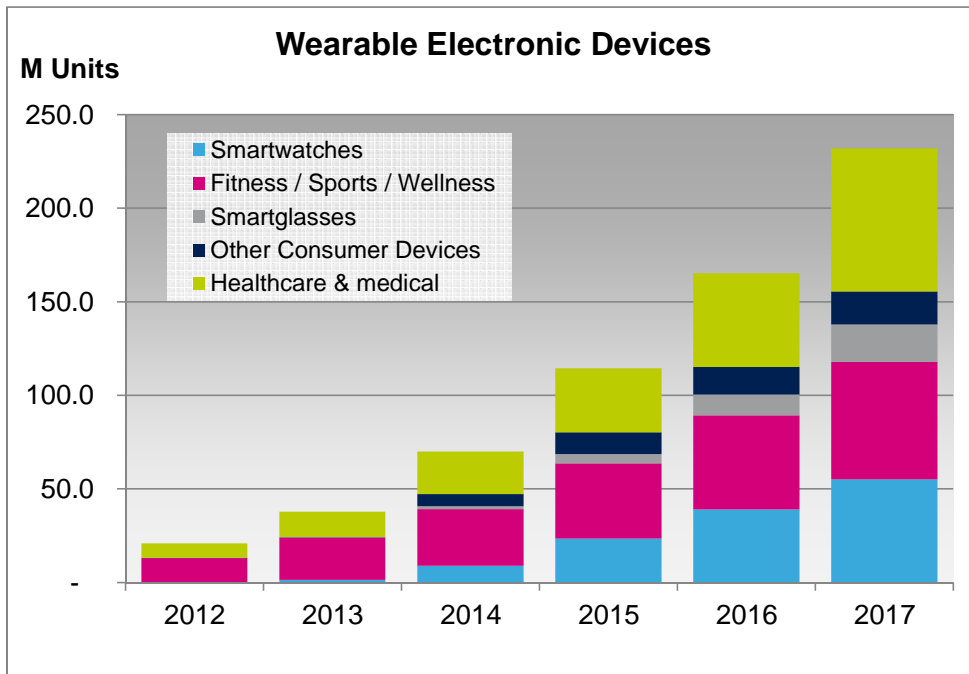
ST Offering for Wearable Technology

Always On
(and on you)

Intelligent

Aware

Connected

Open Platform

Intuitive

Sensors

+

Low-Power MCU
+ eNVM

+

Ultra Low Power
Connectivity

+

Smart Energy
Management

life.augmented
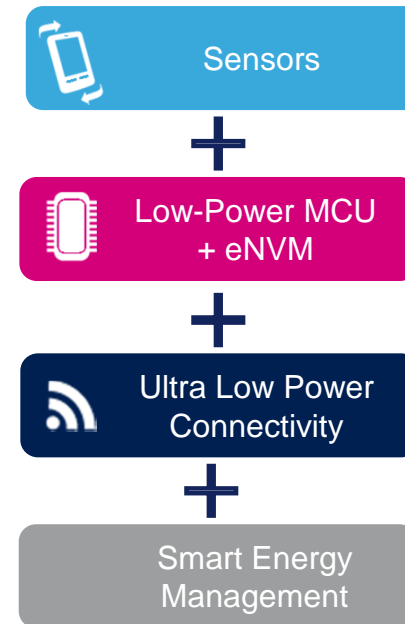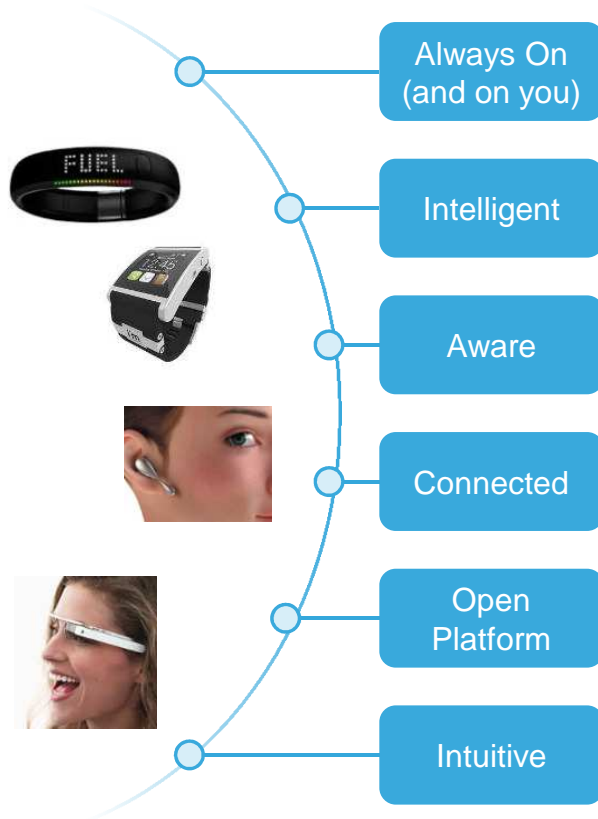
Smart Watch

Headset

Activity Monitor

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Wearable/Health and Fitness

Glasses & Goggles

Heart Monitor

Sports

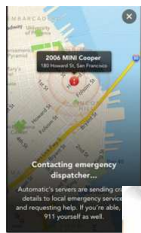# Smart Home

Intelligent Locks

Home Gateway

Smart Appliances

Toys & Games

Smart Accessory

Car Radio

Car Infotainment

Navigation
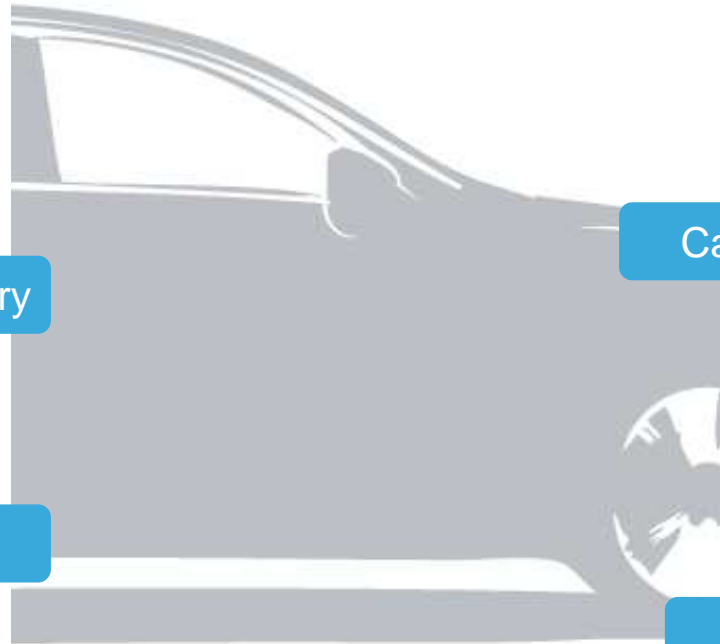
Smart City

Weather Station

Smart Street Lighting

Contactless Payment

Smart Grid

ST Offering for Portable & Wearables Markets

Motion Sensors

Environmental & Bio Sensors

Audio Processors
MEMS Microphones
Audio Amplifiers

Ultra-Mobile Projectors

FingerTip Touch Sensors

Proximity and Ambient Light Sensors

Imaging Solutions

Low-Power Microcontrollers

EEPROM

NFC & Secure Microcontrollers

Wireless Chargers

Power Management

Antenna Tuning

Low-Power Connectivity

Protection and EMI-Filtering Devices

Backlight Drivers

Microcontroller and Memories

#5	General-Purpose MCU
#1	EEPROM Memories
#3	Secure MCU

General-Purpose Microcontrollers

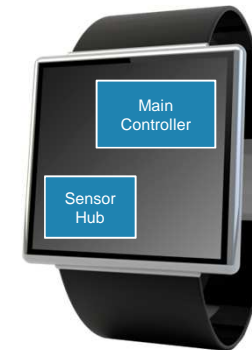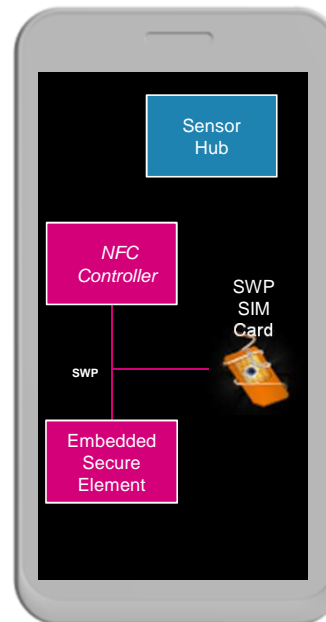Leadership in 32-bit architecture based on Cortex-M™ platform

Memories

Leadership in RF EEPROM Near-Field-Communication compliant

Secure MCU

Leadership in 32-bit architecture based on Secure Cortex™- SCxxx platform

Sensor Hub

NFC Controller

SWP SIM Card

SWP

Embedded Secure Element

Main Controller

Sensor Hub

Dynamic NFC / RFID tags

#1	**MEMS Sensors**
#1	**Gyro & Accelerometer**

Mobile & Consumer

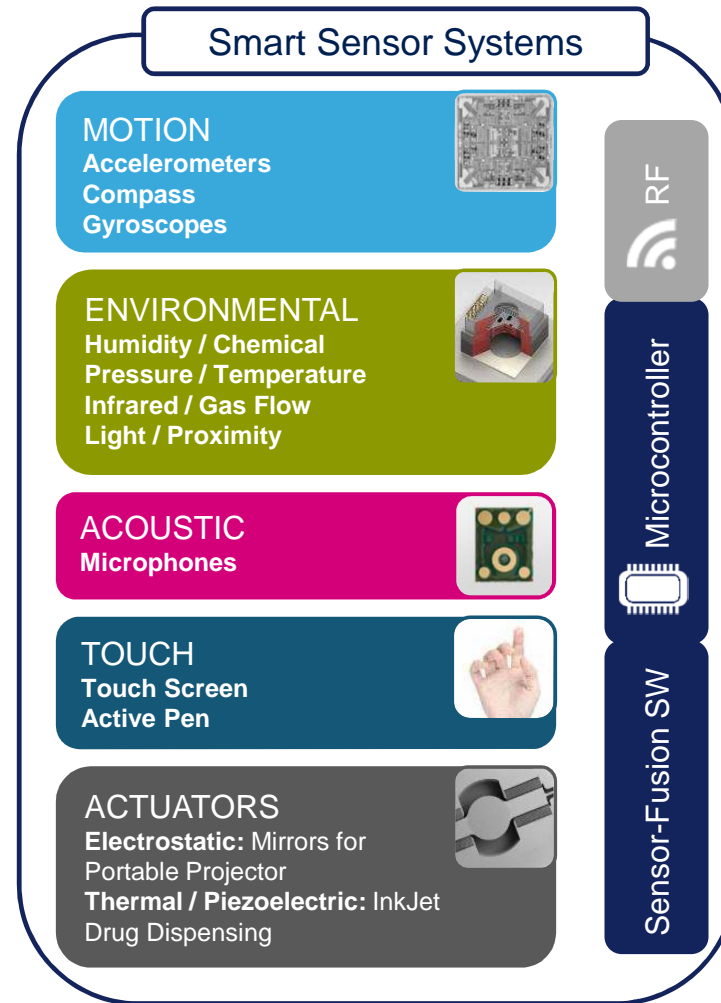Leading supplier of MEMS for
mobile and consumer applications

New markets

Fitness & Wearable
The Internet of Things

Automotive

Addressing the market for assisted
guidance, personal safety & comfort

Smart Sensor Systems

MOTION
Accelerometers
Compass
Gyroscopes

ENVIRONMENTAL
Humidity / Chemical
Pressure / Temperature
Infrared / Gas Flow
Light / Proximity

ACOUSTIC
Microphones

TOUCH
Touch Screen
Active Pen

ACTUATORS
Electrostatic: Mirrors for
Portable Projector
Thermal / Piezoelectric: InkJet
Drug Dispensing
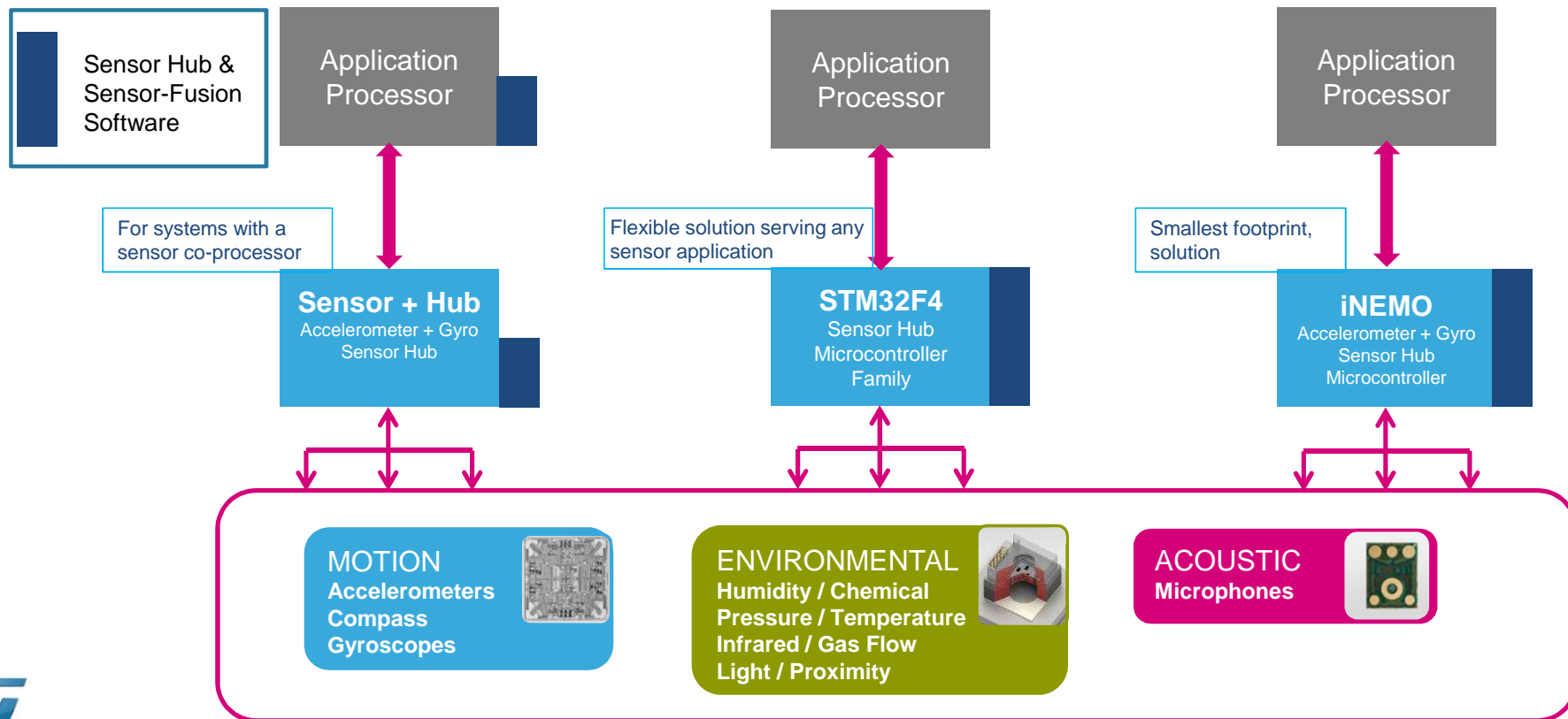
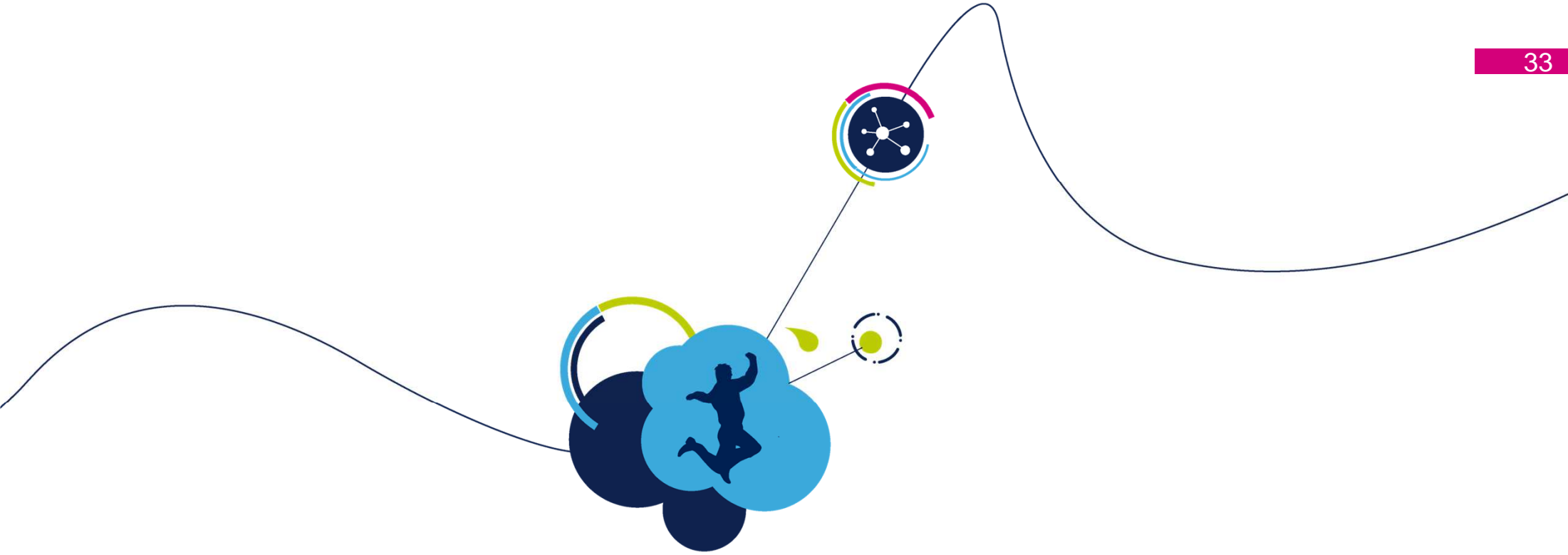RF

Microcontroller

Sensor-Fusion SW

Source: IHS iSuppli, Q1 2013

Complete Range of Sensor-Hub Solutions

Family of flexible, operating-system-agnostic sensor-hub solutions for always-on operation

Sensor Hub & Sensor-Fusion Software

Application Processor

Application Processor

Application Processor

For systems with a sensor co-processor

Flexible solution serving any sensor application

Smallest footprint, solution

Sensor + Hub
Accelerometer + Gyro
Sensor Hub

STM32F4
Sensor Hub
Microcontroller
Family

iNEMO
Accelerometer + Gyro
Sensor Hub
Microcontroller

MOTION
**Accelerometers
Compass
Gyroscopes**

ENVIRONMENTAL
**Humidity / Chemical
Pressure / Temperature
Infrared / Gas Flow
Light / Proximity**

ACOUSTIC
Microphones

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- ST is leading the evolution of the Digital Home
    - Optimized solutions for broadcast Set-Top-Box market
    - Complete portfolio for the evolving US cable market
    - Strong customer traction on recently launched product families
    - Best-in-class Ultra HD and HEVC solutions available today
    - Evolutionary STi8K architecture setting the foundation for tomorrow's Digital Home

- ST is already a leader in the Internet of Things
    - Complete product portfolio including sensors, microcontrollers, connectivity, & smart energy management
    - Expertise in digital-security technologies & understanding of the sensor-to-cloud value chain
    - Strongly engaged with leading players

Q&A