

ST Intelligent Sensing enabling the physical AI

Update call, 16 March 2026

Marco Cassis

President

Analog, Power, MEMS and Sensors Group
STMicroelectronics

Forward looking information

Some of the statements contained in this document 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:

- changes in global trade policies, including the continuation, adoption and expansion of tariffs and trade barriers and sanctions, that are affecting and could further affect the macro-economic environment and are adversely impacting and could further adversely impact the demand for our products;
- uncertain macro-economic and industry trends (such as inflation and fluctuations in supply chains), which are impacting and may further impact production capacity and end-market demand for our products;
- customer demand that differs from projections, which may require us to undertake transformation measures that may not be successful in realizing the expected benefits in full or at all;
- the ability to design, manufacture and sell innovative products in a rapidly changing technological environment;
- changes in economic, social, public health, labor, 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, geopolitical and military conflicts, social unrest, labor actions, or terrorist activities;
- unanticipated events or circumstances, which may impact our ability to execute our plans and/or meet the objectives of our research and development ("R&D") and manufacturing programs, which benefit from public funding;
- financial difficulties with any of our major distributors or significant curtailment of purchases by key customers;
- the loading, product mix, and manufacturing performance of our production facilities and/or our required volume to fulfill capacity reserved with suppliers or third-party manufacturing providers;
- availability and costs of equipment, raw materials, utilities, third-party manufacturing services and technology, or other supplies required by our operations (including increasing costs resulting from inflation);
- the functionalities and performance of our IT systems, which are subject to cybersecurity threats and which support our critical operational activities including manufacturing, finance and sales, and any breaches of our IT systems or those of our customers, suppliers, partners and providers of third-party licensed technology;
- theft, loss, or misuse of personal data about our employees, customers, or other third parties, and breaches of data privacy legislation;
- 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;
- changes in our overall tax position as a result of changes in tax rules, new or revised legislation, 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;
- variations in the foreign exchange markets and, more particularly, the U.S. dollar exchange rate as compared to the Euro and the other major currencies we use for our operations;
- the outcome of ongoing litigation as well as the impact of any new litigation to which we may become a defendant;
- product liability or warranty claims, claims based on epidemic or delivery failure, or other claims relating to our products, or recalls by our customers for products containing our parts;
- natural events such as severe weather, earthquakes, tsunamis, volcano eruptions or other acts of nature, the effects of climate change, health risks and epidemics or pandemics in locations where we, our customers or our suppliers operate;
- increased regulation and initiatives in our industry, including those concerning climate change and sustainability matters and our goal to become carbon neutral in all direct and indirect emissions (scopes 1 and 2), product transportation, business travel, and employee commuting emissions (our scope 3 focus), and to achieve our 100% renewable electricity sourcing goal by the end of 2027;
- epidemics or pandemics, which may negatively impact the global economy in a significant manner for an extended period of time, and could also materially adversely affect our business and operating results;
- industry changes resulting from vertical and horizontal consolidation among our suppliers, competitors, and customers;
- the ability to successfully ramp up new programs that could be impacted by factors beyond our control, including the availability of critical third-party components and performance of subcontractors in line with our expectations; and
- individual customer use of certain products, which may differ from the anticipated uses of such products and result in differences in performance, including energy consumption, may lead to a failure to achieve our disclosed emission-reduction goals, adverse legal action or additional research costs.

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, 2025 as filed with the Securities and Exchange Commission ("SEC") on February 26, 2026. 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 document 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 document to reflect subsequent events or circumstances.

Unfavorable changes in the above or other factors listed under "Item 3. Key Information — Risk Factors" from time to time in our SEC filings, could have a material adverse effect on our business and/or financial condition.

STMicroelectronics Sensors : Products, Market and Ambition



ST sensors bridge the physical & digital worlds enable a more intelligent & sustainable future

Intelligent

Safe

Efficient



Sensors – MEMS & Imaging

The industry broadest portfolio of intelligent sensing technology & products

Data is the new oil at the age of AI

+

There is no data without sensors

=

There is no AI without sensors

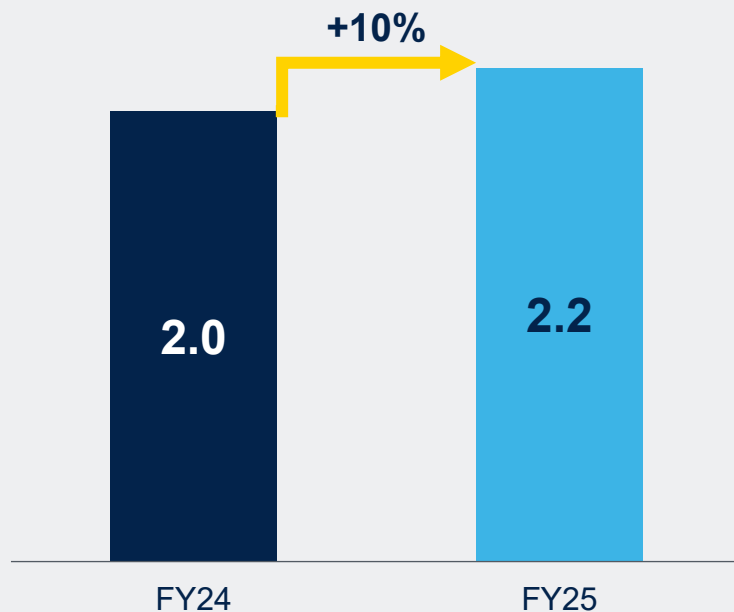
Sustainable AI needs intelligent sensors



Sensors delivered revenue growth in 2025

Double-digit revenue growth

Sensors revenues*, \$B



*MEMS + Imaging

Key strengths

30+ billion sensors sold to date

A pioneer in both the **MEMS** and **imaging** industries

In-house technology development & manufacturing

In-sensor **AI & low-power** technology leader

Advanced **hardware & software** ecosystem

Automotive-qualified sensor technologies

Leading positions

MEMS #1

Motion & pressure MEMS in Android devices

MEMS for automotive navigation

Actuators for printing

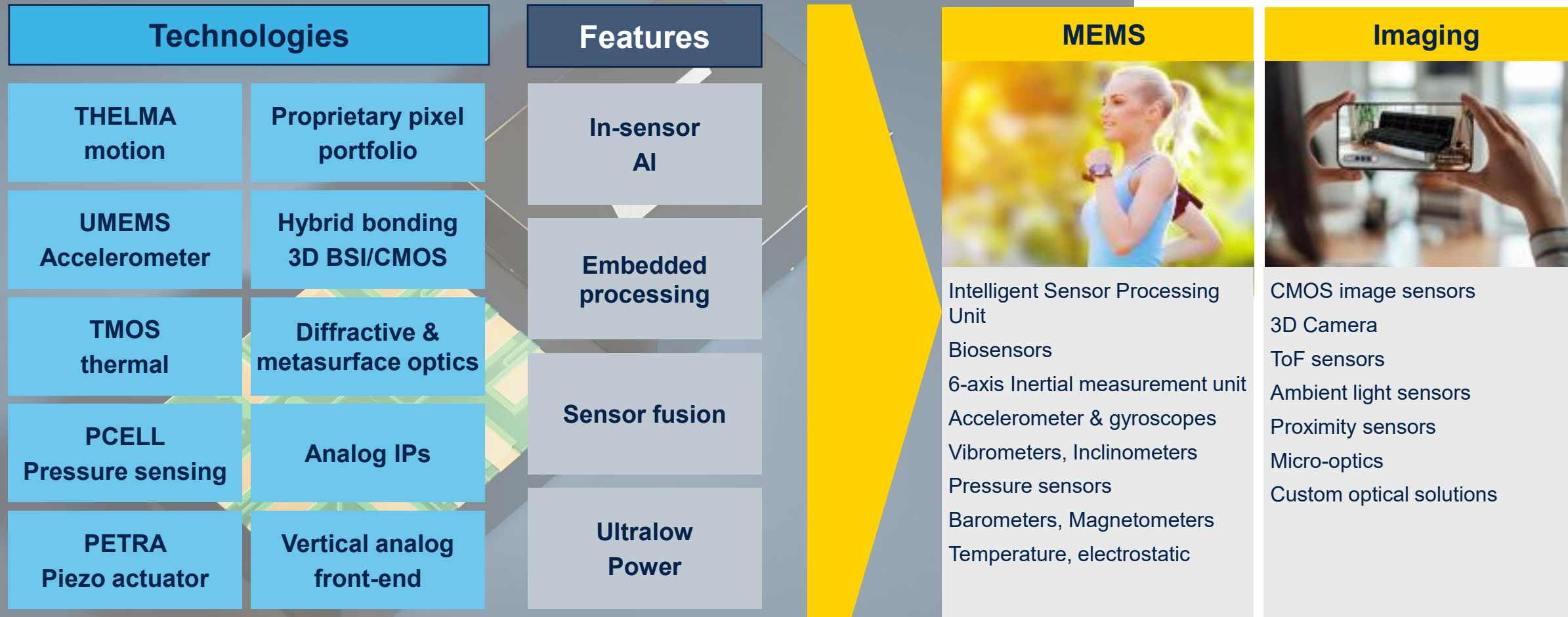
Imaging #1

Time-of-Flight

Global shutter

Metasurface optics

ST intelligent sensors leverage our IDM model and proprietary technologies



ST intelligent sensors leverages in-house manufacturing capacity for both Front-End and Back-End



Sweden
Norrköping

France
Crolles
Rousset
Tours
Rennes

Italy
Agrate
Catania
Marcianise

Morocco
Bouskoura

Malta
Kirkop

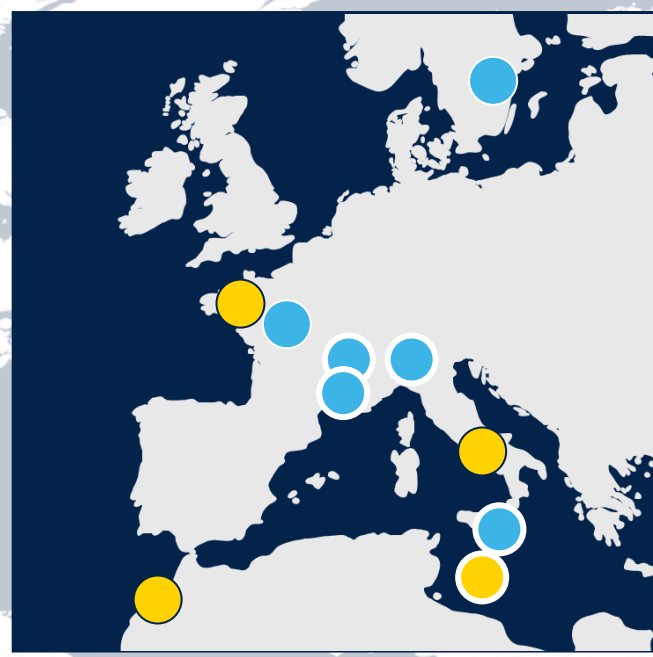
China
Shenzhen

Philippines
Calamba

Malaysia
Muar

Singapore

- Front-End (Wafer fabrication)
- Back-End (Assembly & Test)
- Sites with sensors production



Sensors at the intersection of structural growth trends across multiple end-markets

Energy transition & environmental monitoring

Automotive safety & regulation

Health, medical & remote care

Electrification & Autonomous driving

Sensor Market Growth

IoT & Smart home / smart city

Industrial automation & robotics

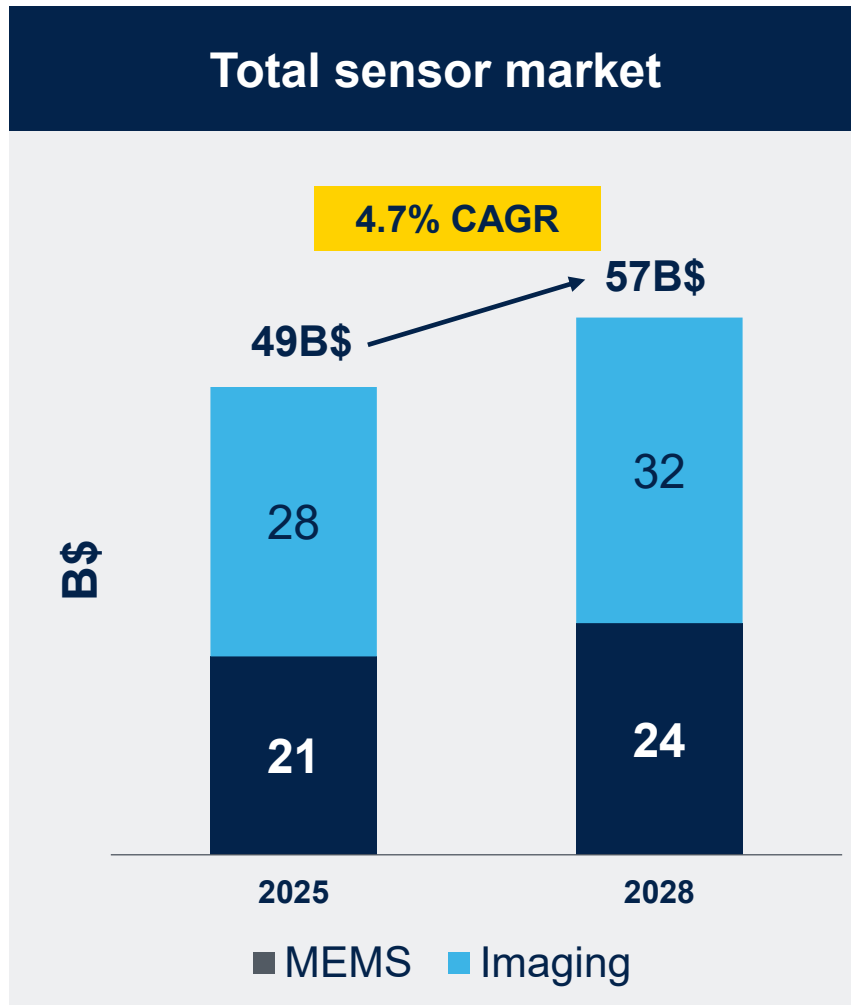
Consumer devices & immersive interfaces

Smart factories & Infrastructure

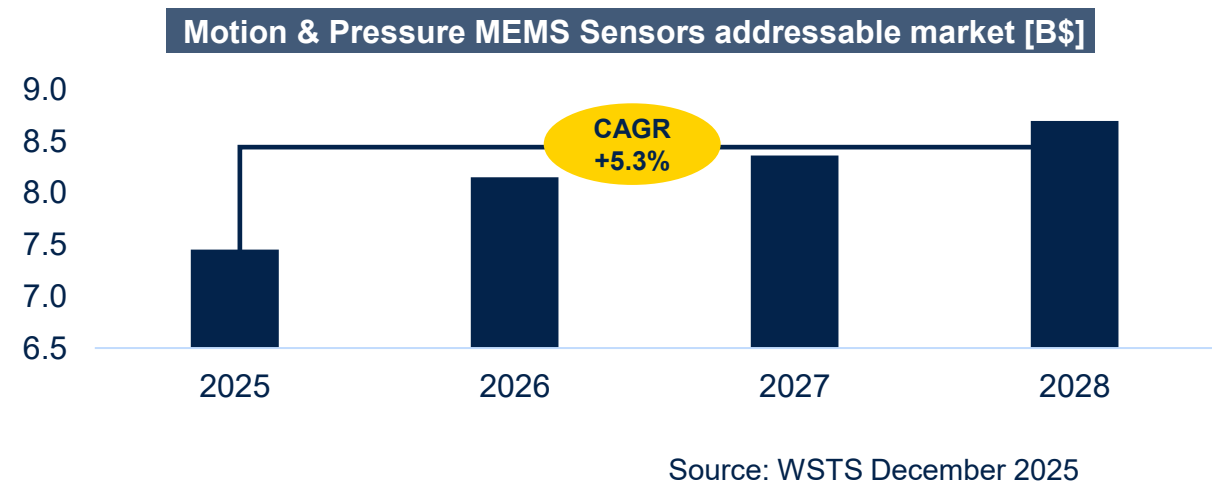
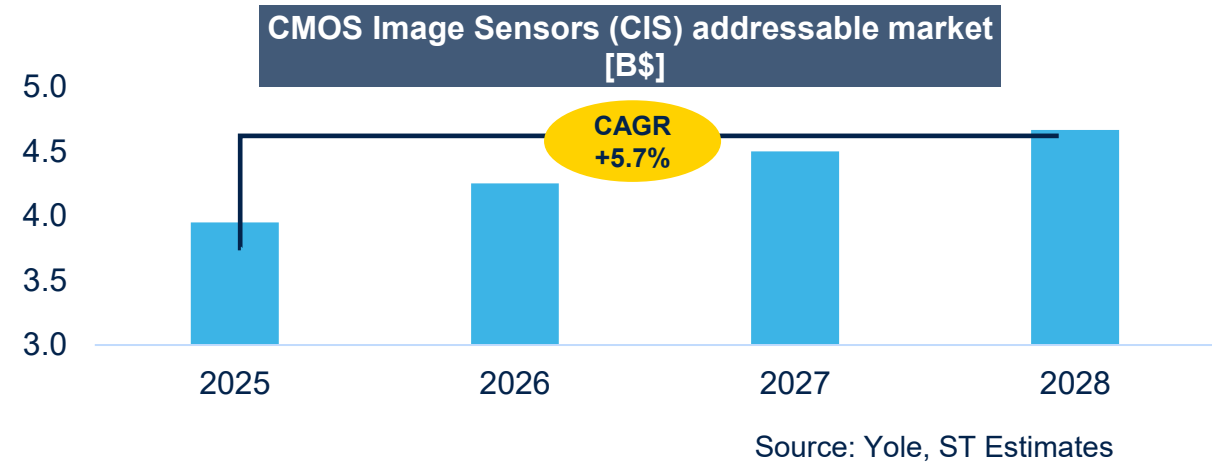
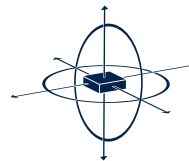
Physical AI further supporting growth



Strong growth ahead in the sensor market



Source: WSTS December 2025



Our ambition in sensors: Outgrowing the markets we serve

Aim to grow our sensors* revenues at a mid-teens **CAGR**** between 2025 and 2028, with further opportunities to grow beyond this time horizon

* MEMS + Imaging
** from a base of \$2.2B in 2025

Recent transaction in MEMS

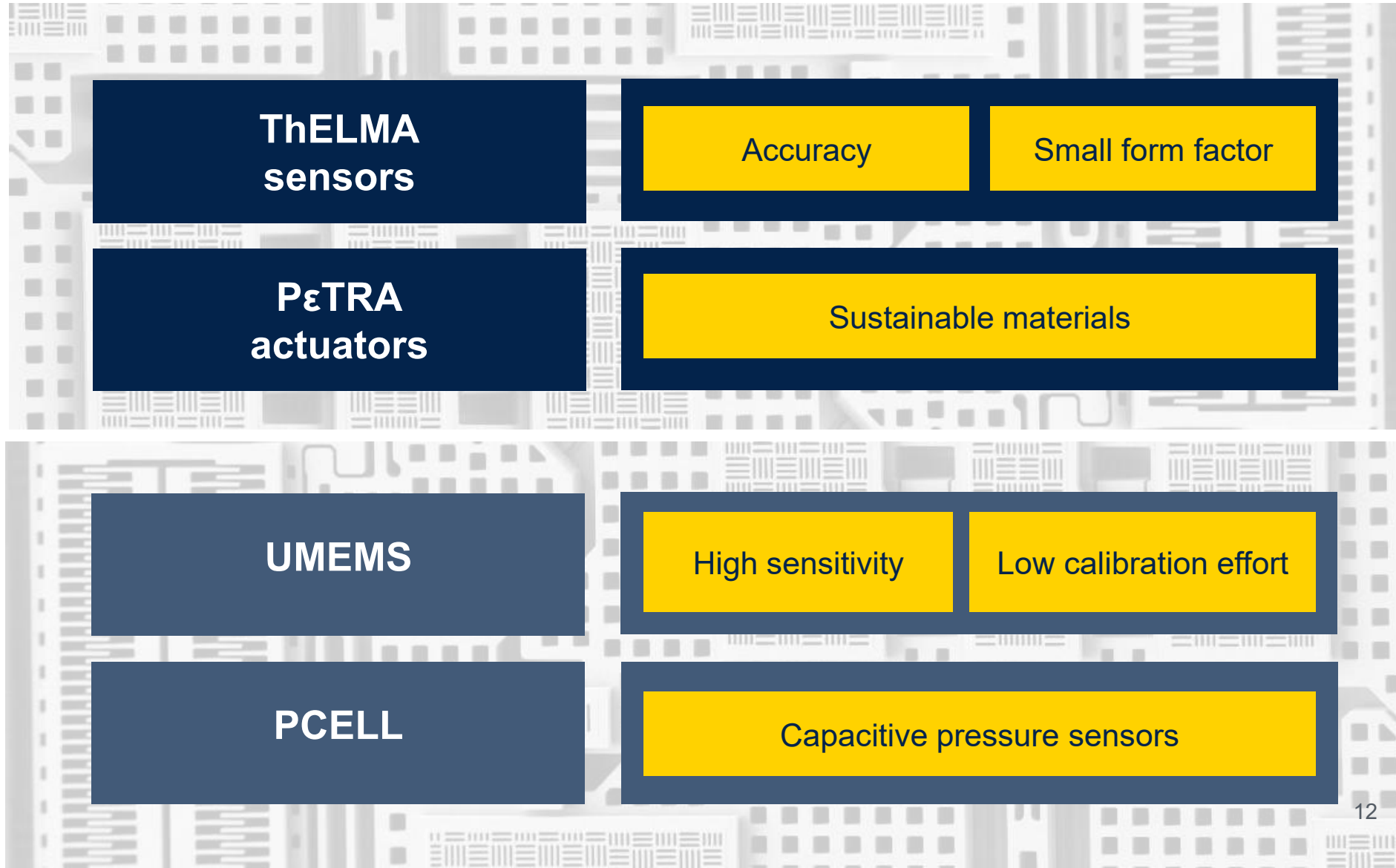
A highly complementary acquisition



MEMS technology portfolio further strengthened with the acquired business



Acquired Business



Complementary MEMS product portfolio ...



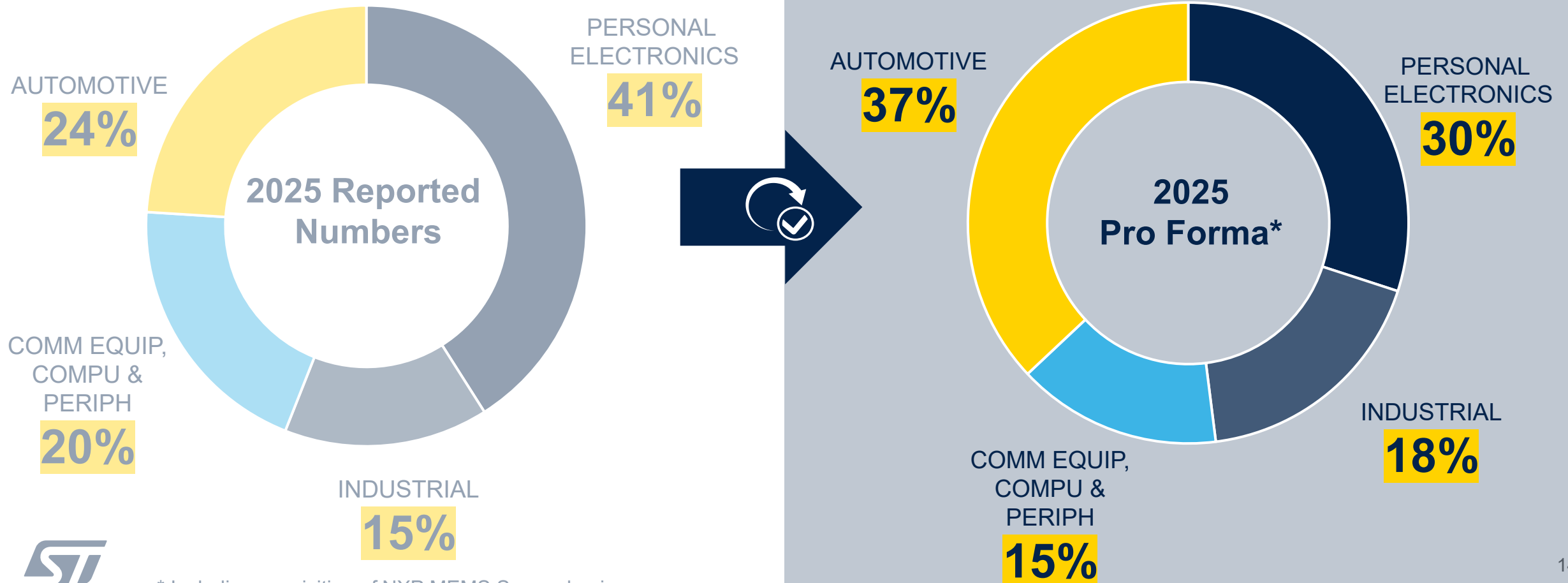
Acquired Business

#1 in MEMS sensors for Android	Personal electronics	-
#1 in MEMS for automotive navigation	Automotive	#1 accelerometer for safety In top 5 for pressure sensor
Applications specific solutions	Industrial	Solution for medical industrial
#1 in MEMS actuators printheads #1 in inertial MEMS sensors for laptop	Computer & Peripherals	-



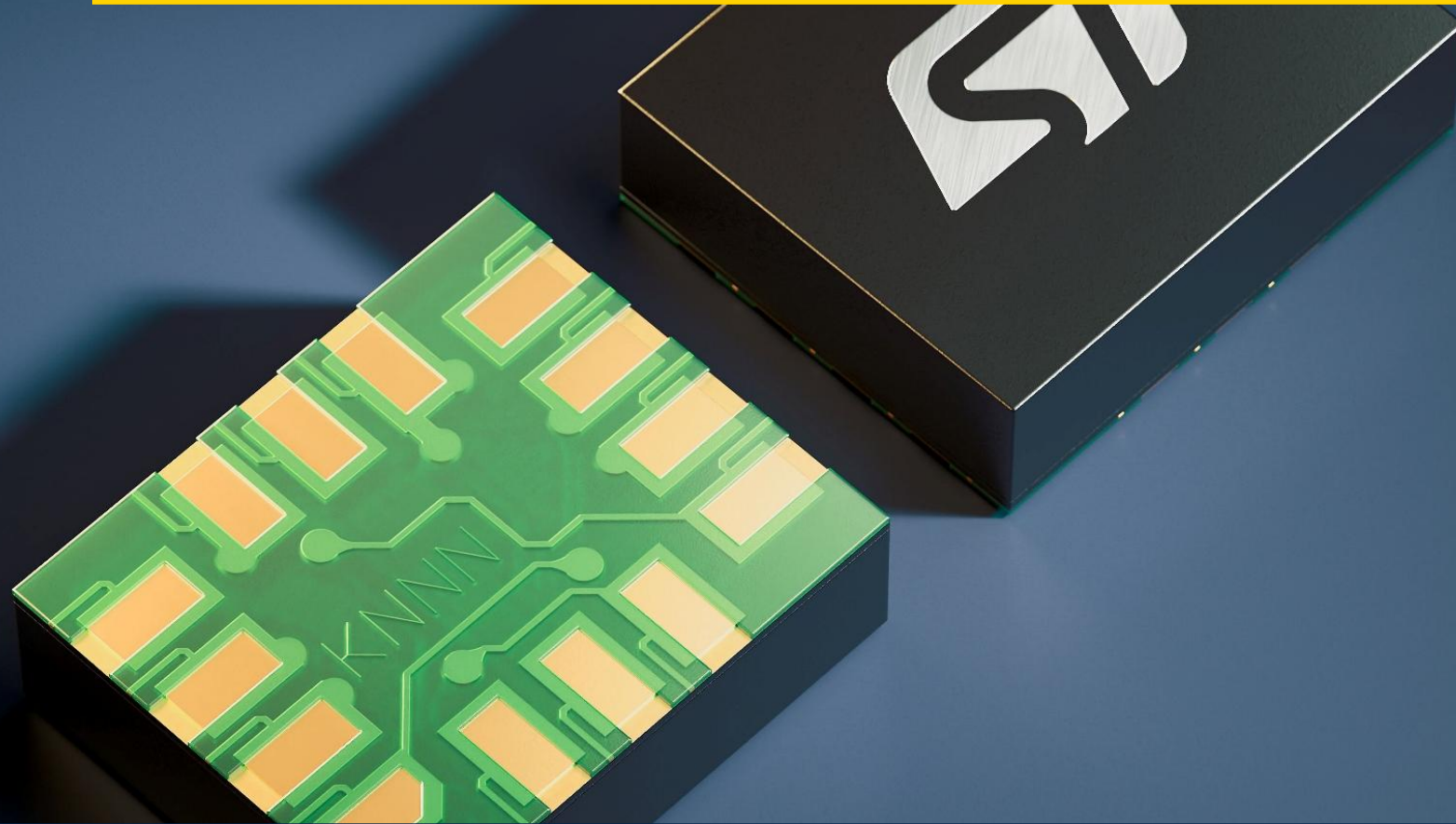
... rebalancing MEMS end-market exposure

Breakdown of MEMS revenues by end market

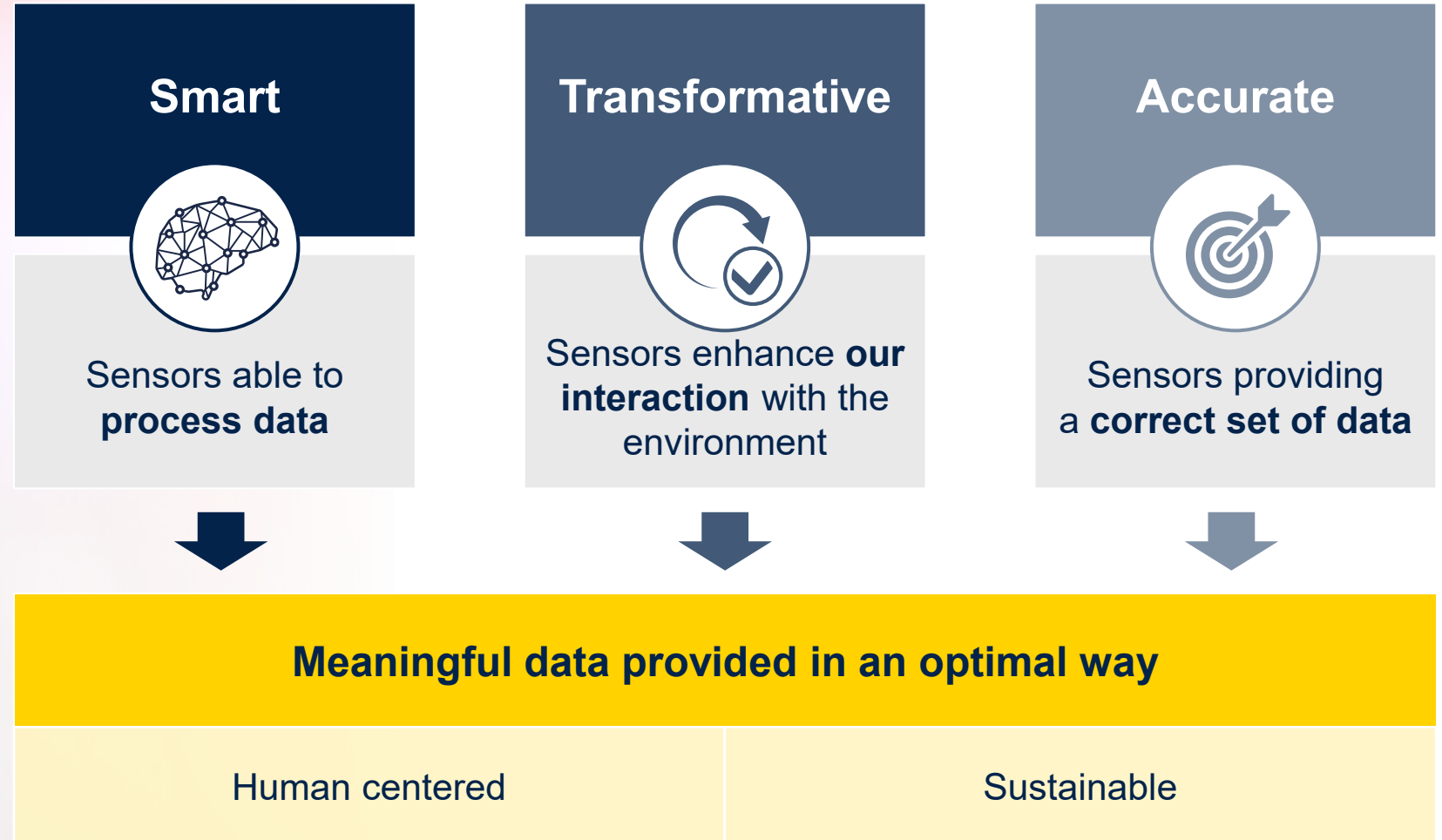


* Including acquisition of NXP MEMS Sensor business

Our strategy for intelligent sensing



Intelligent sensors are sensing & computing



Intelligent sensing of the real world Bringing intelligence closer to the user



Intelligent sensing as an enabler

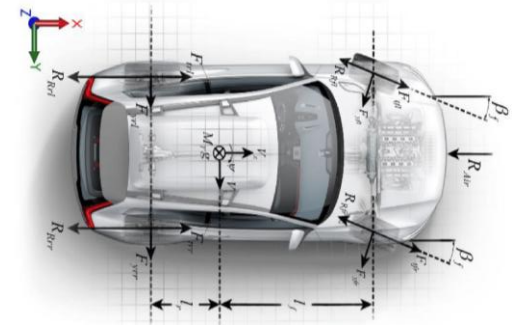
Intelligent sensing in the sensor



Around You



Robots



Cars

Intelligent sensing - MEMS embedded AI for higher efficient data processing

Applications with in-sensor AI



Anticipating user actions



Monitoring car status

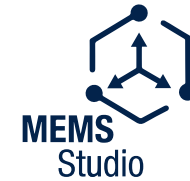


Detecting complex gestures & activities



Monitoring movement & body biosignals

Ecosystem for developer engagement



A roadmap for in-sensor processing

>20
sensors
released



Machine learning
core

Generation 3



Intelligent sensor
processing unit

Generation 2

In-sensor AI for real-time processing

The intelligent sensor processing unit

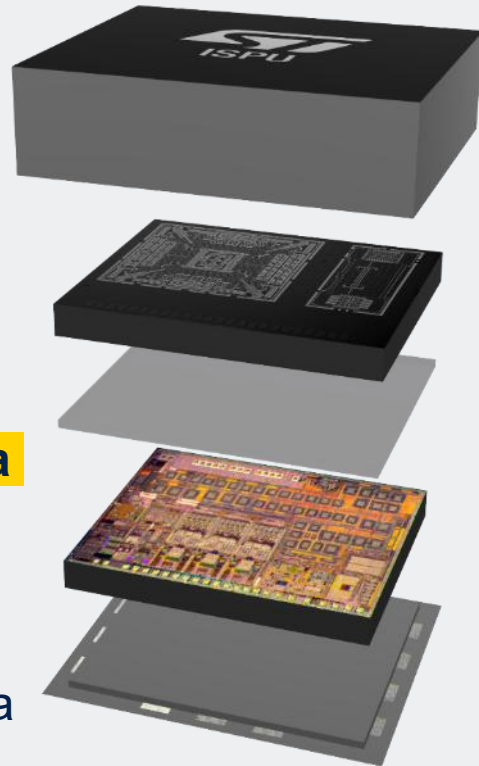
Raw data from
MEMS sensor



ISPU processes data locally (a few μW)



Only meaningful data



MEMS sensor

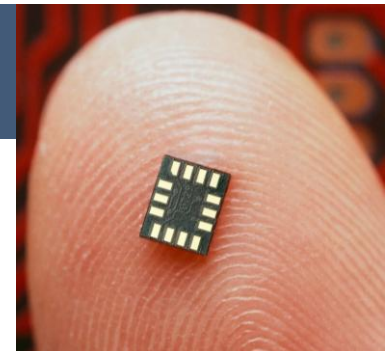
3-axis accelerometer & 3-axis gyroscope

Sensor hub

to collect data from additional external sensors (up to 4)

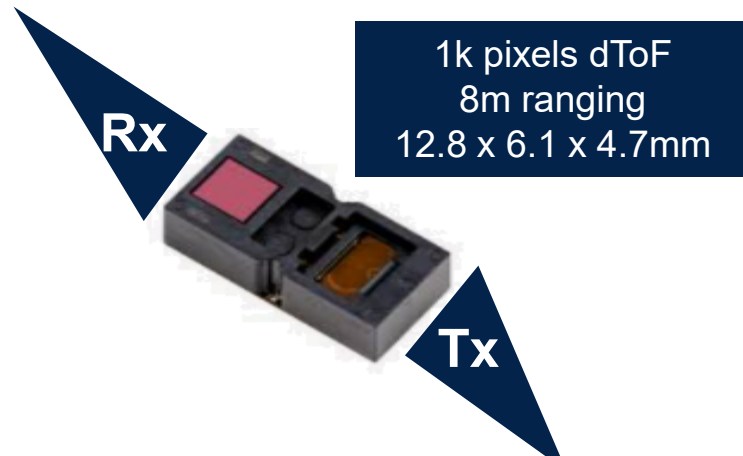
Intelligent sensor processing unit (ISPU) core

Standard package: 2.5 x 3 mm²



Intelligent sensing - Imaging

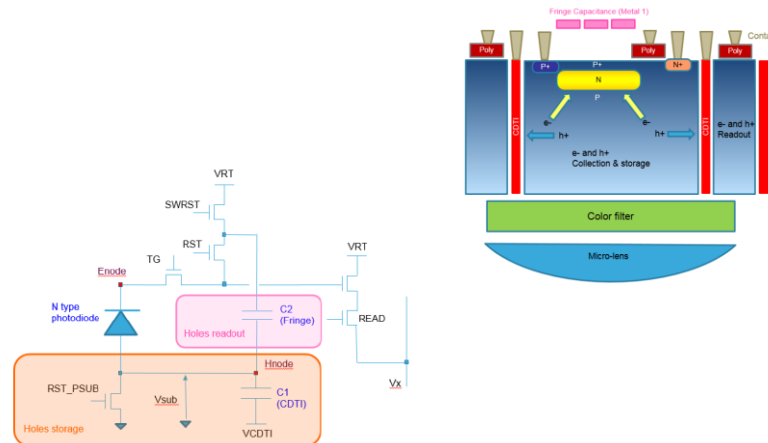
Sense & Compute Industry first consumer LiDAR



3D camera are needed to add additional context information (XR , Robotics)

ST intelligent sensing able to sense and compute depth information for the host

Intelligent pixel for low light sensitivity and high dynamic range



Pixels usually collect only electrons
ST intelligent pixels collect electron and holes
Enabling high dynamic range pixel

In-sensor ultralow power CNN accelerator



All ST sensor integrate a 32-bit MCU

New wave of ST intelligent sensor will include additional an AI accelerator for lower power system wake-up

Configurable accelerator for neural networks at the edge

Imaging business expanding to high growth areas

Core business

Smartphones user interaction



- Face authentication
- Touchscreen controller
- Ambient Light Sensing

Smartphone world facing



- Camera assist (Bokeh, laser autofocus..)
- Color tone & Flicker detection

PC / Laptops



- Low power & smart presence detection
- Face authentication
- Gesture control
- Security

Automotive



- Driver monitoring
- Occupancy monitoring

High growth areas

Industrial



- Robotics
- People counting
- Touchless operation
- Smart home
- Depth sensing
- Security & surveillance

Emerging applications



- Humanoid robots
- AR / VR / MR
- Consumer LiDAR
- Gesture control
- Capacitive touch
- AI computer vision

Takeaways

ST winning in intelligent sensing

**Intelligent sensing is essential for AI....
... and AI will drive future sensor growth with intelligence at the edge**

Strong technology & products roadmaps

- #1 European IDM for optical sensing technology
- MEMS & Imaging dedicated technology platforms & teams
- Sensor product roadmaps leveraging ST CMOS technology

Partner with market shapers

- Intimacy with key players, engaged key customer programs
- Standard & custom solutions tailored for specific applications
- Deep engineering expertise



In-house manufacturing capacity

- Proprietary front-end & back-end technology
- Proven & scalable EU based front-end capacity
- 300 mm fabs
- Able to ramp in line with customer expectations

Differentiated products

- Broadest industry sensor provider
- Large set of reusable analog & sensing IP
- Embedded processing & edge AI tools and ecosystem
- Enabling multiple innovative applications

Humanoids opportunity



~\$600 current addressable BoM in humanoid robots

Sensors are core components

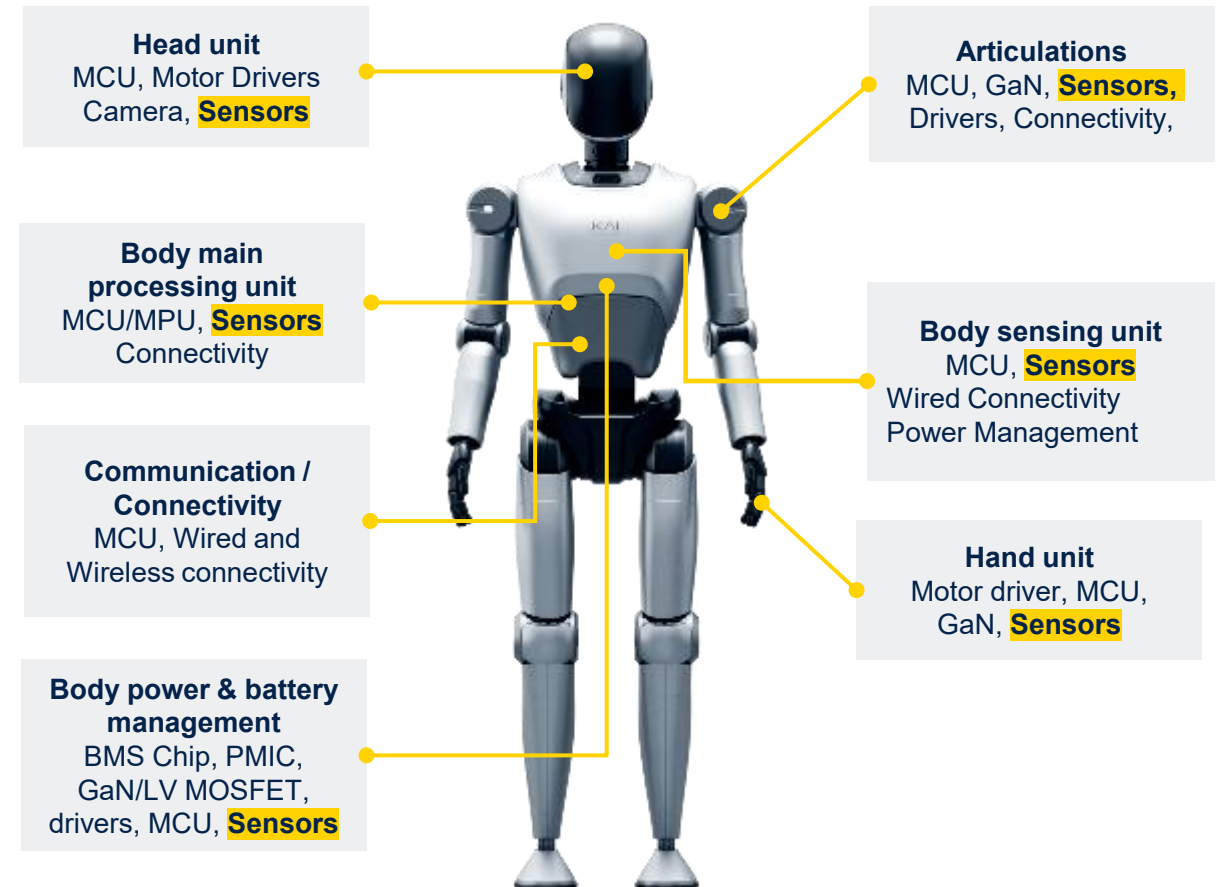
Sensors are core components enabling further ST component attach

Opportunity addressed at system architecture level leveraging our wide portfolio

Engagements with major OEMS in US, Europe China and APeC

Deep integration into the value chain

Sensors are present in most units of the humanoid robot



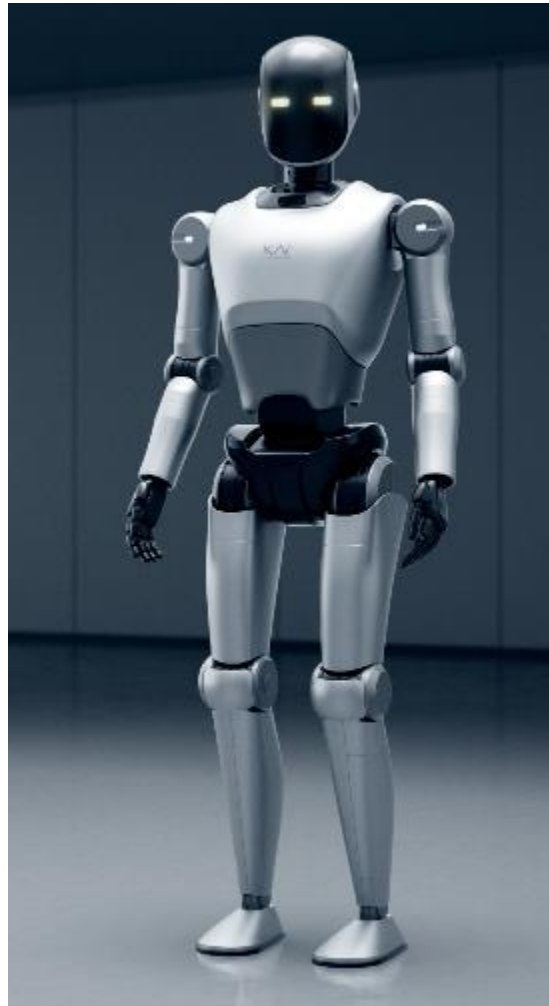
Wide portfolio of sensors for humanoid robots

MEMS Sensor offer

IMU	ISM330DHCX
IMU (ISPU)	ISM330IS
IMU (dual XL)	ISM6HG256X
IMU (AEC-Q100, Asil B)	ASM330LHHXG1/BG1
Vibration (6 kHz)	IIS3DWB
Inclinometer	IIS2ICLX
Magnetometer	IIS2MDC
Pressure sensor	ILPS22QS/ILPS28QSW
Biosensor	ST1VAFE6AX / 3BX

Use cases

Positioning / navigation	Balance / stability	Contextual awareness
Motion execution	Fall detection	Predictive maintenance



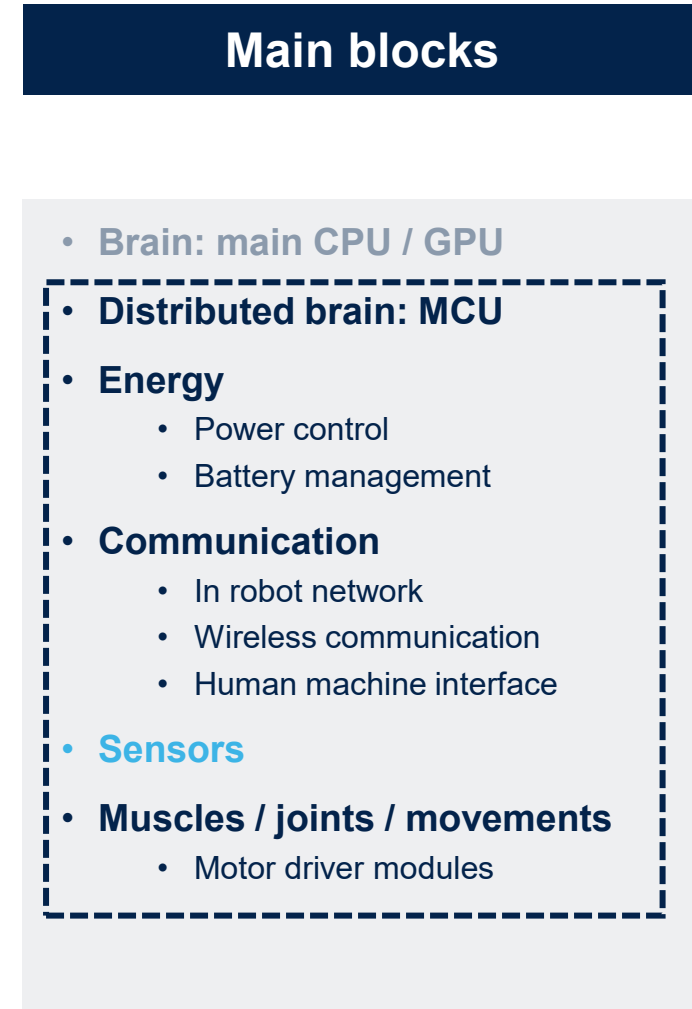
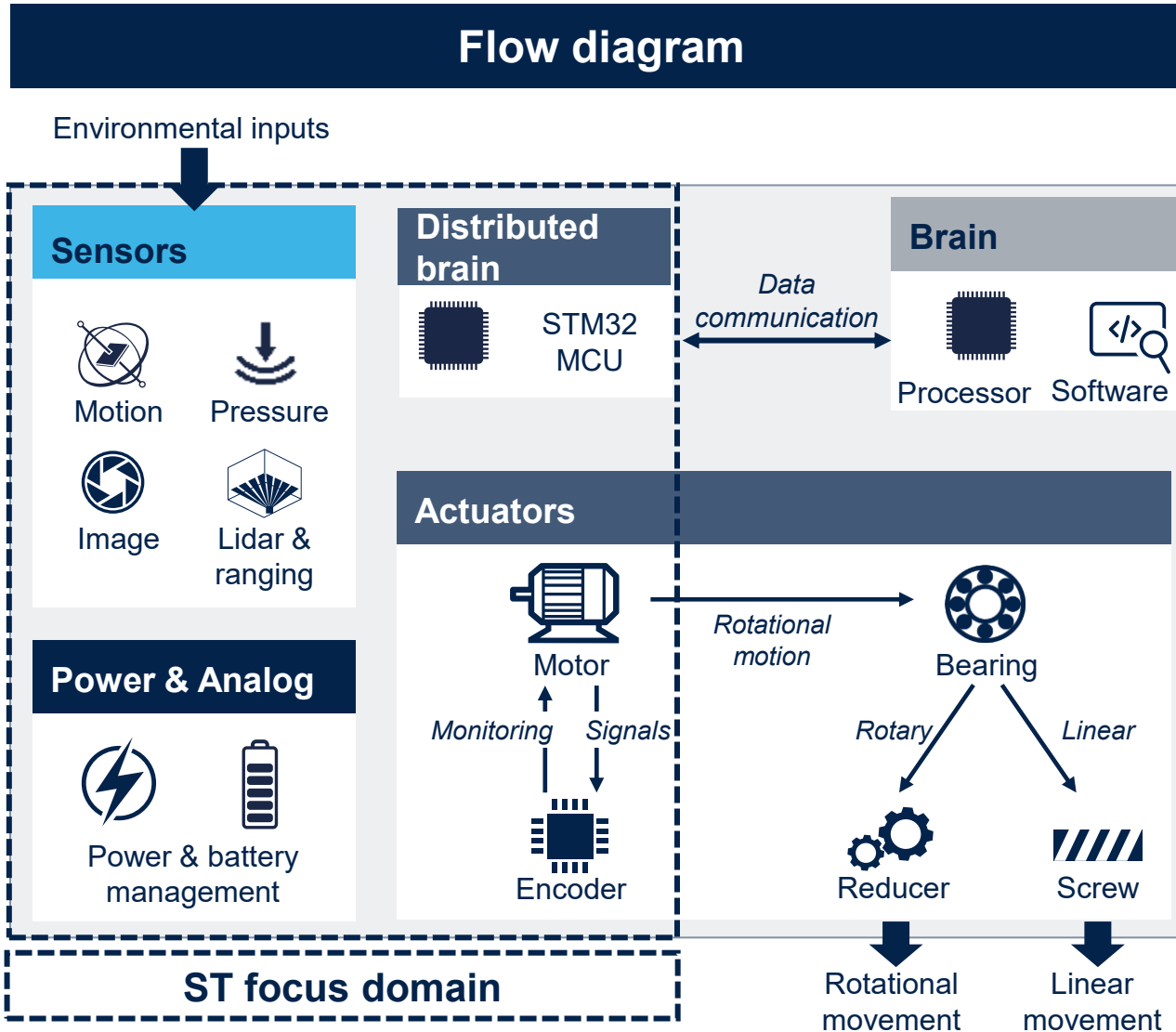
Imaging sensor offering

Global shutter sensor	CMOS GS sensors 0.4 MP, 0.5 MP, 1.5 MP
3D depth	iToF VD55H1 dToF VL53L9
Distance	dToF Multi-zone & single zone
Ambient light sensing	ALS sensor VD6283

Use cases

Path finding	Obstacle avoidance
SLAM	6D pose
Object recognition	Segmentation
Flicker detection	Gesture, proximity

ST is uniquely positioned to address humanoid robots through its broad portfolio



Conclusion

Takeaways

Our ambition is to grow our sensors revenue at a **mid-teens CAGR by 2028**

We are ideally positioned to win in the growing sensor market driven by physical AI thanks to our **strong technology & products** roadmaps, **IDM model** and **partnerships with market shapers**

Recent acquisition is **further strengthening our MEMS technology & product portfolio**, rebalancing market exposure and creating #2 player

While consolidating its leadership positions in core markets, **Imaging is expanding to high growth areas**

We are a **strategic enabler for humanoid robots** with an overall \$600 current BoM opportunity



Our technology starts with You



Find out more at www.st.com

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