Company Presentation

April 2020
We are creators and makers of technology

- One of the world’s largest semiconductor companies
- 2019 revenues of $9.56B
- 46,000 employees of which 7,800 in R&D
- Over 80 Sales & marketing offices serving over 100,000 customers across the globe
- 11 Manufacturing sites
- Signatory of the United Nations Global Compact (UNGC), Member of the Responsible Business Alliance (RBA)
Global presence
Jean-Marc Chery  
President & Chief Executive Officer

Benedetto Vigna  
Analog, MEMS & Sensors Group

Marco Monti  
Automotive & Discrete Group

Claude Dardanne  
Microcontrollers & Digital ICs Group

Marco Cassis  
Sales, Marketing, Communications & Strategy Development

Orio Bellezza  
Technology, Manufacturing & Quality

Lorenzo Grandi  
Finance, Infrastructure & Services CFO

Jean-Marc Chery  
Human Resources & Corporate Social Responsibility

Steve Rose  
Legal Counsel

Eric Aussedat  
Imaging Sub-Group

Stefano Cantù  
Supply Chain and Operations

Matteo Lo Presti  
Analog Sub-Group

Michael Anfang  
EMEA Region

Fabio Gualandris  
Back-End Manufacturing & Technology

Giuseppe Notarnicola  
Treasury

Paul Cihak  
Americas Region

Joël Hartmann  
Digital Front-End Manufacturing & Technology

Jean-Marc Chery*  
* Acting

Jeremy Roux  
Asia Pacific Region

Michael Hummel  
Analog & Power FE Manufacturing & Technology

Nicolas Yackowlew  
Product Quality & Reliability

Claudia Levo  
Integrated Marketing & Communications

Alberto Della Chiesa  
Supply Chain

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Back-End Manufacturing & Technology

Giuseppe Notarnicola  
Treasury

Paul Cihak  
Americas Region
Our vision

ST stands for

data:image:en:

Everywhere microelectronics make a positive contribution to people’s lives, ST is there
Our value proposition

For our **shareholders**
Return value in line with our sustainable, profitable growth objective
Sustainable and profitable growth

For our **customers**
Provide differentiating enablers
Independent, reliable & secure supply chain

For other **stakeholders**
Committed to sustainability
Our values: Integrity – People – Excellence
Our technology starts with You

At ST we create technology that starts with You

Our employees
Our customers
Our partners
Our end customers
Where you find us

Making **driving** safer, greener and more connected

Enabling the evolution of **industry** towards smarter, safer and more efficient factories and workplaces

Making **homes & cities** smarter, for better living, higher security, and to get more from available resources

Making everyday **things** smarter, connected and more aware of their surroundings
Trends and markets
Our technology stems from long-term strategic enablers

**Smart Mobility**

ST provides innovative solutions to help our customers make driving **safer, greener and more connected** for everyone.

**Power & Energy**

ST technology and solutions enable customers to increase **energy efficiency** everywhere and support the use of renewable energy sources.

**Internet of Things & 5G**

ST provides **sensors, embedded processing solutions, connectivity, security and power management**, as well as **tools and ecosystems** to make development fast and easy for our customers.
ST provides innovative solutions to help our customers make driving safer, greener and more connected for everyone.

- Increase safety for road users & driver comfort and convenience
- Affordable, desirable electric vehicles
- Cleaner, greener Internal Combustion Engines (ICE)

Road crashes carry a high human toll and cost > $500 Billion every year.

Electric vehicles* from 9% in 2019 to 19% in 2025 of global car production.

ICEs in > 90% of new vehicles produced 2020-2025.

Sources: www.asirt.org, Strategy Analytics
* Excluding Mild Hybrid EV
ST technology and solutions enable customers to increase energy efficiency everywhere & support the use of renewable energy sources.

- **Rising demand for and usage of electrical energy**
- **Decrease carbon emissions to reduce global warming impact**
- **Increase use of renewable energy**

- **> 30%** global electricity demand increase from 2020 to 2030
- **45%** CO₂ emission reduction from 2010 to 2030 to limit warming to 1.5°C
- **Electrical energy from renewal sources from ~10% in 2020 to ~20% in 2030**

Sources: IEA, IPCC, BP
Internet of Things & 5G

ST provides sensors, embedded processing, connectivity, security and power management, as well tools and ecosystems

- Two billion industrial IoT & utility connected devices by 2022
- IoT security services market > $10 billion in 2021
- > 90 million new 5G IoT connections in 2026

Cloud connected and data-enabled services
Digital security for all data
5G accelerating the connection of objects to the IoT

Source: ABI
Our Strategy
We address four end markets

- Automotive
- Industrial
- Personal electronics
- Communications equipment, computers & peripherals
Our strategic objectives

**Automotive**
- Leadership in car electrification
- Leadership in car digitalization

**Industrial**
- Leadership in industrial **embedded processing**
- Accelerate growth in analog & sensors for industrial
- Expansion in industrial power & energy management
- Acceleration of growth with industrial OEMs

**Personal electronics**
- Leadership in **selected** high-volume smartphone applications:
  - Sensors, secure solutions, power management, analog and Front End Module

**Communications Equipment, Computers & Peripherals**
- Transform approach to communication infrastructure:
  - From digital wireline to cellular and satellite

**Capture opportunities in 5G**
- with RF mixed signal
Products and Technologies
Differentiated technologies are our foundation

MEMS
for sensors & Micro-actuators

FD-SOI CMOS
FinFET through Foundry

Analog & RF CMOS

eNVM CMOS

Smart Power: BCD
(Bipolar - CMOS - Power DMOS)

Discrete, Power MOSFET, IGBT
Silicon Carbide, Gallium Nitride

Vertical Intelligent Power

Specialized imaging sensors

Packaging technologies
Leadframe – Laminate – Sensor module – Wafer level
Our products and solutions enable customer innovation

Dedicated Automotive ICs

Analog, Industrial & Power Conversion ICs

GP MCU & MPU, Secure MCUs, EEPROM

Discrete & Power Transistors

MEMS & Specialized Imaging Sensors

ASICs based on ST proprietary technologies
ST Product portfolio enabling strategic trends

Product Portfolio

<table>
<thead>
<tr>
<th>Dedicated Automotive ICs</th>
<th>Discrete &amp; Power Transistors</th>
<th>Analog, Industrial &amp; Power Conversion ICs</th>
<th>GP MCU &amp; MPU Secure MCUs, EEPROM</th>
<th>MEMS &amp; Specialized Imaging Sensors</th>
<th>ASICs based on ST proprietary technologies</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC5</td>
<td>STPOWER</td>
<td>STSPIN</td>
<td>STM32</td>
<td>INEMO</td>
<td>RF-SOI</td>
</tr>
<tr>
<td>Stellar</td>
<td>SIC</td>
<td>ViperPlus</td>
<td>STSECURE</td>
<td>Flight Sense</td>
<td>FD-SOI</td>
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<tr>
<td>Accordo</td>
<td>SIC</td>
<td>BlueNRG</td>
<td>ST25</td>
<td>BiCMOS</td>
<td>BICMOS</td>
</tr>
</tbody>
</table>

Smart Mobility       | Power & Energy          | Internet of Things & 5G               |
Manufacturing and R&D
We offer quality, flexibility and supply security

France (Crolles, Rousset, Tours)
Italy (Agrate, Catania)

Morocco (Bouskoura)
Malta (Kirkop)

China (Shenzhen)
Philippines (Calamba)
Malaysia (Muar)
Singapore

Front-End
Back-End
Advanced R&D centers around the world for close collaboration with operations and customers

- 18,500 patents & 590 new filings in 2019
- 16% of revenues invested in R&D
- 7,800 people working in R&D and product design
# Quality as a key business enabler

## Our Quality Vision

Elevate ST to the highest level of quality as an asset for our customers

## Our Quality Mission

Ensure ST products meet the highest quality and reliability requirements of customers in the markets we address

## How do we achieve this

- Sustainable culture of quality excellence
- Customer focus
- Result-driven improvement programs
Customers & Sales
We are partners with our customers worldwide

Over 80 sales offices in 35 countries
We serve more than 100,000 customers

Top 10 Customers* 2019
- Apple
- Bosch
- Ciena
- Continental
- HP
- Huawei
- Mobileye
- Samsung
- Seagate
- Tesla

Unified worldwide account management tailored to each account to provide global coverage and service

Standard process, reporting & follow-up in Sales & Marketing worldwide
Differentiated approach by type of customer

*In alphabetical order
Q1 2020 Revenues

% by product group

- Analog, MEMS & Sensors Group (AMS): 38%
- Microcontrollers & Digital ICs Group (MDG): 34%
- Automotive & Discrete Group (ADG): 28%
- Others: 0.1%

% by shipment location

- Americas: 65%
- EMEA: 22%
- Asia Pacific: 13%

% by region of origin

- Americas: 40%
- EMEA: 27%
- Asia Pacific: 33%

% by customer type

- Distribution: 25%
- Top 10 OEMs: 42%
- Other OEMs: 33%
2019 revenues by product group and customer type

% by product group 2019

- Analog, MEMS & Sensors Group (AMS): 34%
- Microcontrollers & Digital ICs Group (MDG): 38%
- Automotive & Discrete Group (ADG): 28%
- Others: 0.1%

% by customer type 2019

- Top 10 OEMs: 45%
- Other OEMs: 25%
- Distribution: 30%
2019 revenues
Shipment location and region of origin

**Shipment location**
- Americas: 62%
- EMEA: 24%
- Asia Pacific: 14%

**Region of origin**
- Americas: 38%
- Asia Pacific: 33%
- EMEA: 29%
Our People
Our technology starts with our people

Manufacturing ~ 67%

Research & Development ~ 17%

Marketing & Sales, Divisional Functions, Administration & General services ~ 16%

As of December 31, 2019

Italy ~10,600

Mediterranean ~4,700

France ~10,100

Asia ~18,400

Others ~750

Americas ~1000
Sustainability
Sustainability is an integral part of ST
Our sustainability strategy

We conduct our business responsibly to create value for all stakeholders

WE LIVE OUR VALUES: People, Integrity, Excellence

WE PUT PEOPLE FIRST
- Health & Safety
- Labor & Human Rights
- Development & Engagement
- Diversity & Inclusion

WE IMPROVE EVERYBODY’S LIFE
- Sustainable Profit
- Innovation
- Quality
- Sustainable Technology

WE PROTECT THE ENVIRONMENT
- Energy & Climate Change
- Water
- Waste & Effluents
- Chemicals

TOGETHER, WE SHAPE THE FUTURE
Supply Chain Responsibility, Education & Volunteering

Based on 2017 external materiality exercise
Our Sustainable Technology program aims to develop responsible products which:
• improve our social and environmental footprint at every stage of the product life
• have the greatest positive impact on the planet and people in the end-application
Our sustainability ambitions & goals

**WE PUT PEOPLE FIRST**

**Health & Safety**
Be a safe workplace with zero injuries, zero occupational diseases and ensure healthy lives and well-being for all.

**Labor & Human Rights**
Be recognized as a leader in labor and human rights and accept zero tolerance on forced labor.

**Development & Engagement**
Offer the best employee experience in all the locations where we operate.

**Diversity & Inclusion**
Achieve full gender equality and be a leader in cultural and disability inclusion.

- **<0.15%** recordable cases* for employees and contractors
- **100%** of ST manufacturing sites recognized by external international bodies
- **Employee engagement rate** +10 points above country norms
- **>20%** women in all management levels

**WE IMPROVE EVERYBODY'S LIFE**

**Innovation & Profits**
Sustain profitable growth, being the world leader in Industrial, Internet of Things and Automotive applications and markets.

**Quality**
Lead our market in terms of product quality, with no severe quality incident, while meeting the most stringent customer expectations.

**Sustainable Technology**
Design and manufacture products that have the greatest positive impact on the planet and society.

- **>20%** of revenues generated by new product lines
- **-75%** severe quality incidents*
- **x3** % revenues generated by responsible products*

**WE PROTECT THE ENVIRONMENT**

**Energy & Climate Change**
Continuously reduce our carbon footprint and our impact on climate change by decreasing our GHG emissions and improving energy efficiency.

**Water**
Maintain our leadership in water efficiency by reducing consumption, recycling more, and reinforcing our efforts in water scarcity areas.

**Waste & Chemicals**
Strive for zero waste in landfills, reduce our consumption of chemicals and eliminate hazardous materials.

- **-20%** energy consumption and GHG emissions*
- **-20%** water consumption*
- **95%** of our waste reused and recycled

* Normalized values vs 2016

**OUR AMBIITIONS**

2025 GOALS

100% suppliers at risk audited

STEM* education partnerships in 20 countries

* Science, Technology, Engineering, Mathematics
Read ST’s 2019 sustainability report

• To learn more about ST’s sustainability performance in 2018
• To discover ST’s sustainable ambitions and goals for 2025

Among the highlights in 2018

90% of our employees covered by annual human rights assessments
549 new patents filed
93% of waste reused, recovered or recycled
77% employee engagement score 8 points above the industry norm
100% of our products are conflict-mineral free
50% of new products are responsible products
374 voluntary initiatives from 33 sites worldwide
42% of direct GHG emissions offset by reforestation projects

Available on www.st.com/company-reports
Thank you