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)
Our vision

ST stands for

life.augmented

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

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

Source: ABI

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

Cloud connected and data-enabled services

Digital security for all data

5G accelerating the connection of objects to the IoT

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

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
- Capture opportunities in 5G with RF mixed signal

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

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<th>Product Portfolio</th>
<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>
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<td>BiCMOS</td>
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</table>

- Smart Mobility
- Power & Energy
- Internet of Things & 5G
Manufacturing and R&D
We offer quality, flexibility and supply security.
We are drivers of your innovation

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
<table>
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<th>Our Quality Vision</th>
<th>Our Quality Mission</th>
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<tr>
<td>Elevate ST to the highest level of quality as an asset for our customers</td>
<td>Ensure ST products meet the highest quality and reliability requirements of customers in the markets we address</td>
</tr>
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</table>

**How do we achieve this**

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

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

- Standard process, reporting & follow-up in Sales & Marketing worldwide
- Differentiated approach by type of customer
- Unified worldwide account management tailored to each account to provide global coverage and service

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

*In alphabetical order
Q1 2020 Revenues

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

% by shipment location:
- Americas: 22%
- EMEA: 65%
- Asia Pacific: 13%

% by region of origin:
- Americas: 33%
- EMEA: 40%
- Asia Pacific: 27%

% 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%
- Automotive & Discrete Group (ADG): 38%
- Microcontrollers & Digital ICs Group (MDG): 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
Sustainability
Sustainability is an integral part of ST

**ST’s creation**
- 1987: Business conduct & ethics policy
- 1993: Environmental policy

**1st Environmental Decalogue**
- 1995

**1st Environmental report**
- 1997

**ISO 14001 & EMAS**
- 2000: Signatory of the UNGC 10 principles

**2001**
- Reforestation program

**2002**
- OHSAS 18001 Safety 1st certification

**2003**
- EICC member

**2005**
- Supply Chain Responsibility program

**2006**
- 1st ST Code of Conduct Principles of Sustainable Excellence

**2007**
- Ethics committee

**2008**
- Conflict Minerals program

**2009**
- Health Plan

**2011**
- Sustainable Technology program

**2012**
- ISO 50001 Energy management 1st certification

**2014**
- 5th Environment, Health & Safety Decalogue
- ISO 22301 Business Continuity 1st certification
- ISO 14001 EMAS 1st ST Code of Conduct Principles of Sustainable Excellence

**2015**
- 20th Sustainability Report
- 20th Sustainability Report
- 20th Sustainability Report

**2017**
- Conflict Minerals program

**2018**
- Energy management 1st certification

**2019**
- Sustainability strategy
- 12 ambitions and 2025-goals
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
Sustainable technology

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

Social & Environmental programs (RBA code of conduct, Water, Waste, Energy & Climate Change, Chemicals)

Product compliance (Conflict-mineral free, RoHS)

Eco-design devices (power-efficient & low-carbon)

Usage

End of life

Product compliance (Material Declaration & ECOPACK®)

Raw materials

Manufacturing

Responsible applications (planet-friendly & human-welfare)
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  
  *Injuries and Illnesses*

* 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*  
  *2016 baseline*

* x3 % revenues generated by responsible products*  
  * in 2016*

**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 landfill, reduce our consumption of chemicals and eliminate hazardous materials.

* -20% energy consumption and GHG emissions*  
  * Normalized values vs 2016*

* -20% water consumption*  
  * Normalized values vs 2016*

* 95% of our waste reused and recycled*
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