STMicroelectronics

- Among the world’s largest semiconductor companies
- Serving over **100,000** customers across the globe
- 2019 revenues of **$9.56B**
- Listed: NYSE, Euronext Paris and Borsa Italiana, Milan
- Signatory of the United Nations Global Compact (UNGC), Member of the Responsible Business Alliance (RBA)

- ~**46,000** employees worldwide
- ~**7,800** people working in R&D
- ~**16%** of revenues spent on R&D
- **11** manufacturing sites
- Over **80** sales & marketing offices

As of December 31, 2019
Enabling the evolution of industry towards smarter, safer and more efficient factories and workplaces

Making driving safer, greener and more connected

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
Our Vision

ST stands for *life.augmented*

Everywhere microelectronics make a positive contribution to people’s lives, ST is there.
Enabling Strategic Electronic Demand Trends

**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 Addresses Four End Markets

- Automotive
- Industrial
- Personal Electronics
- Communications Equipment, Computers & Peripherals
ST Focus Applications Approach

- Smart Driving
- Smart Industry
- Smart Home & City
- Smart Things
Making driving Safer, Greener and more Connected

**Safer**
- Having cars drive better than we can & always watching for threats
- Making driving safer for car occupants and other road users by actively avoiding accidents

**Greener**
- Improving power and fuel efficiency, and helping minimize emissions and car maintenance
- Moving towards electric vehicles

**More Connected**
- Enabling personalized car entertainment and connectivity
- Allowing vehicles to communicate with each other and the infrastructure (V2X)
Enabling smarter, safer and more efficient factories and workplaces

- Factories that produce in a more efficient manner
- More flexibility and customization possibilities in the supply chain
- More sustainable production with less waste and less energy used
- Safer working environments for people
- Better man-machine cooperation in the work place
- Optimized usage of machines and tools
Smart Home & City

Making Home & Cities Smarter

Smart City
- Smart city infrastructure to improve traffic and municipal services
- Smart Grid
- Intelligent, adaptive street lighting
- Smart Buildings

Smart Home
- Smart control of heating, air conditioning, appliances, locks and alarms
- Smart meters to connect homes to the smart grid
- More energy efficiency, convenience, comfort and security
A Smart Thing …

- Understands the environment
- Manages data and transforms it into information
- Connects to the world
- Protects your data
- Is energy efficient
Product Family Focus

Portfolio delivering complementarity for target end markets and synergies in R&D and manufacturing

- Dedicated Automotive ICs
- Discrete & Power Transistors
- Analog, Industrial & Power Conversion ICs
- Automotive
- Industrial
- Personal Electronics
- Communications Equipment, Computers & Peripherals
- MEMS & Specialized Imaging Sensors
- ASICs based on ST proprietary technologies
- GP MCU & MPU Secure MCUs EEPROM
Flexible & Independent Manufacturing

- Front-End
- Back-End

Locations:
- France (Crolles, Rousset, Tours)
- Italy (Agrate, Catania)
- Morocco
- Malta
- China (Shenzhen)
- Malaysia
- Philippines
- Singapore
Investments in R&D Technology Leadership

- **Advanced R&D centers** around the globe in close proximity and coordination with our manufacturing operations and our customers
  - ~18,500 patents; ~9,600 patent families; ~590 new filings in 2019
  - ~7,800 people working in R&D and product design
  - ~16% of revenues invested in R&D

As of December 31, 2019
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

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

*In alphabetical order

Unified worldwide account management tailored to each account to provide global coverage and service
Q4 2019 Revenues

% by product group Q4 2019

- Analog, MEMS & Sensors Group (AMS): 39%
- Automotive & Discrete Group (ADG): 34%
- Microcontrollers & Digital ICs Group (MDG): 27%
- Others: 0.1%

% by location of order shipment Q4 2019

- Americas: 13%
- EMEA: 20%
- Asia Pacific: 67%

% by market channel Q4 2019

- Top 10 OEMs: 50%
- Other OEMs: 22%
- Distribution: 28%
- Others: 0.1%
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
by Shipment Location and Region of Origin

<table>
<thead>
<tr>
<th>% by Shipment location 2019</th>
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</thead>
<tbody>
<tr>
<td>Americas</td>
</tr>
<tr>
<td>62%</td>
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<tr>
<td>EMEA</td>
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<tr>
<td>24%</td>
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<tr>
<td>Asia Pacific</td>
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<td>14%</td>
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</tbody>
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<table>
<thead>
<tr>
<th>% by Region of Origin 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Americas</td>
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<tr>
<td>Asia Pacific</td>
</tr>
<tr>
<td>33%</td>
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<tr>
<td>EMEA</td>
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<tr>
<td>29%</td>
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People are Our Foundation

Present in **in 39 countries**

- **Manufacturing** ~ 67%
- **Research & Development** ~ 17%
- **Marketing & Sales, Divisional Functions, Administration & General services** ~ 16%

...working everyday to increase the quality and experience of life for all

As of December 31, 2019
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 we achieve this
We are committed to a sustainable culture of quality excellence
Our quality targets are focused on our customers
We ensure our improvement programs are effective
Our Longstanding Commitment to Sustainability

- **1987**: ST’s creation
- **1993**: Environmental policy
- **1995**: 1st Environmental Decalogue
- **1997**: 1st Environmental report
- **1997**: ISO 14001 EMAS
- **2000**: Signatory of the UNGC 10 principles
- **2001**: 1st ISO 14001 EMAS
- **2002**: Reforestation program
- **2003**: OHSAS 18001 Safety 1st certification
- **2005**: Supply Chain Responsibility program
- **2006**: Health Plan
- **2007**: Ethics committee
- **2008**: Conflict Minerals program
- **2011**: Sustainable Technology program
- **2012**: ISO 50001 Energy management 1st certification
- **2012**: Conflict Minerals 1st ST Code of Conduct Principles of Sustainable Excellence
- **2014**: 5th Environment, Health & Safety Decalogue
- **2016**: ISO 22301 Business Continuity 1st certification
- **2017**: 20th Sustainability Report
- **2018**: 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
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.

**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.

**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.

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

**OUR GOALS**
- **100% suppliers at risk audited**
- **STEM* education partnerships in 20 countries**

* Science, Technology, Engineering, Mathematics

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* **2016 baseline
* Normalized values vs 2016
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
- 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
- 549 new patents filed
- 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