STMicroelectronics

- Among the world’s largest semiconductor companies
- Serving over 100,000 customers across the globe
- 2018 revenues of $9.66B, with year-on-year growth of 15.8%
- 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
- ~ 7,400 people working in R&D
- 11 manufacturing sites
- Over 80 sales & marketing offices

As of December 31, 2018
Where You Find Us

Making everyday things smarter, connected and more aware of their surroundings

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
Our Vision

ST stands for life.augmented

Everywhere microelectronics make a positive contribution to people’s lives, ST is there
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**
# Smart Driving

## 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
Smart Things

Making Every Thing Smarter

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
- General Purpose & Secure MCUs EEPROM
- MEMS & Specialized Imaging Sensors
- Digital ASICs
- Communications Equipment, Computers & Peripherals
- Personal Electronics
- Industrial
- Automotive
Flexible & Independent Manufacturing

France (Crolles, Rousset, Tours)
Italy (Agrate, Catania)
Malta
Morocco
China (Shenzhen)
Malaysia
Philippines
Singapore

Front-End
Back-End
An Unwavering Commitment to R&D

- Advanced research and development centers **around the globe**
- ~ 18,000 patents; ~9,600 patent families; ~ 550 new filings (in 2018)
- ~ 7,400 people working in R&D and product design

As of December 31, 2018
Partners with Our Customers Worldwide

Over 80 sales offices in 35 countries
Serving More Than 100,000 Customers

Top 10 Customers*
2018
Apple
Bosch
Cisco
Conti
HP
Huawei
Mobileye
Samsung
Seagate
Western Digital

*In alphabetical order

Globally Managed Accounts

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

Distribution & Mass Market
Q4 2018 Revenues

% by product group Q4 2018

- Analog, MEMS & Sensors Group (AMS): 37%
- Automotive & Discrete Group (ADG): 37%
- Microcontrollers & Digital ICs Group (MDG): 26%
- Others: 0.2%

% by location of order shipment Q4 2018

- Americas: 13%
- EMEA: 23%
- Asia Pacific: 64%
- Others: 0.2%

% by market channel Q4 2018

- 43% Top 10 OEMs
- 31% Distribution
- 26% Other OEMs
2018 Revenues
by Product Group and Customer Type

% by Product Group 2018

- Analog, MEMS & Sensors Group (AMS): 33%
- Microcontrollers & Digital ICs Group (MDG): 30%
- Automotive & Discrete Group (ADG): 37%
- Others: 0.1%

% by Customer Type 2018

- Top 10 OEMs: 35%
- Other OEMs: 28%
- Distribution: 37%
2018 Revenues
by Shipment Location and Region of Origin

% by Shipment location 2018
- Americas: 61%
- EMEA: 26%
- Asia Pacific: 13%

% by Region of Origin 2018
- Americas: 34%
- Asia Pacific: 35%
- EMEA: 31%
People are Our Foundation

Present in over 35 countries

- ~18,800
- ~10,300
- ~10,300
- ~750
- ~900
- ~4,900

- Asia
- France
- Italy
- Mediterranean
- Americas
- Rest of Europe

Manufacturing

~ 68%

Research & Development

~ 16%

Marketing & Sales, Divisional Functions, Administration & General services

~ 16%

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

As of December 31, 2018
ST Quality Vision & Strategic Drivers

Win a Quality Leadership position with all our customers

Customer Focus
- Listen
- Communicate
- Service

Built-in Quality
- Development
- Ramp Up
- Volume Production

Lean Leadership
- Lean Practice
- Perfect Execution
- People Behavior

Win a Quality Leadership position with all our customers
Our Longstanding Commitment to Sustainability

1987
ST’s creation
Business conduct & ethics policy

1993
Environmental policy

1995
1st Environmental Decalogue

1997
1st ISO 14001 EMAS Environmental report

1987
1st ST Code of Conduct Principles of Sustainable Excellence

2000
Signatory of the UNGC 10 principles

2001
Refostation program

2002
Health Plan

2003
OHSAS 18001 Safety 1st certification

2005
Supply Chain Responsibility program

2006
1st ST Code of Conduct Principles of Sustainable Excellence

2007
Ethics committee

2008
Conflicts Minerals program

2010
Sustainable Technology program

2011
ISO 50001 Energy management 1st certification

2012
ISO 22301 Business Continuity 1st certification

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.

**2025 GOALS**

<table>
<thead>
<tr>
<th>Ambition</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;0.15% recordable cases* for employees and contractors</td>
<td>&lt;0.15%</td>
</tr>
<tr>
<td>100% of ST manufacturing sites recognized by external international bodies</td>
<td>100%</td>
</tr>
<tr>
<td>Employee engagement rate +10 points above country norms</td>
<td>+10 points</td>
</tr>
<tr>
<td>&gt;20% women in all management levels</td>
<td>&gt;20%</td>
</tr>
</tbody>
</table>

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.

**2025 GOALS**

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<tr>
<td>&gt;20% of revenues generated by new product lines</td>
<td>&gt;20%</td>
</tr>
<tr>
<td>-75% severe quality incidents*</td>
<td>-75%</td>
</tr>
<tr>
<td>x3 % revenues generated by responsible products*</td>
<td>x3</td>
</tr>
</tbody>
</table>

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.

**2025 GOALS**

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<td>-20% energy consumption and GHG emissions*</td>
<td>-20%</td>
</tr>
<tr>
<td>-20% water consumption*</td>
<td>-20%</td>
</tr>
<tr>
<td>95% of our waste reused and recycled</td>
<td>95%</td>
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**2025 GOALS**

<table>
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<tr>
<td>100% suppliers at risk audited</td>
<td>100%</td>
</tr>
<tr>
<td>STEM* education partnerships in 20 countries</td>
<td>20 countries</td>
</tr>
</tbody>
</table>

* Science, Technology, Engineering, Mathematics
Read Our 2018 Sustainability Report

• to learn more about ST’s sustainability performance in 2017
• to discover the new sustainable ambitions and goals for 2025

Among the highlights in 2017:

73 companies made it onto CDP’s Water A List. We’re one of them.

- 91% of waste is reused, recovered or recycled
- 26% of energy purchased comes from renewable sources
- 48 average training hours per employee
- 335 voluntary initiatives from 30 sites worldwide
- 234 active R&D partnerships
- 43% of new products are Responsible Products
- 86% of our employees are covered by human rights risk assessments
- Recordable injury case rate 0.14 among the best in class
- 100% of our products are conflict-mineral free

http://www.st.com\company-reports