

Siltronic – a leading producer of silicon wafers

Fact Book
Investor Relations
May 2018

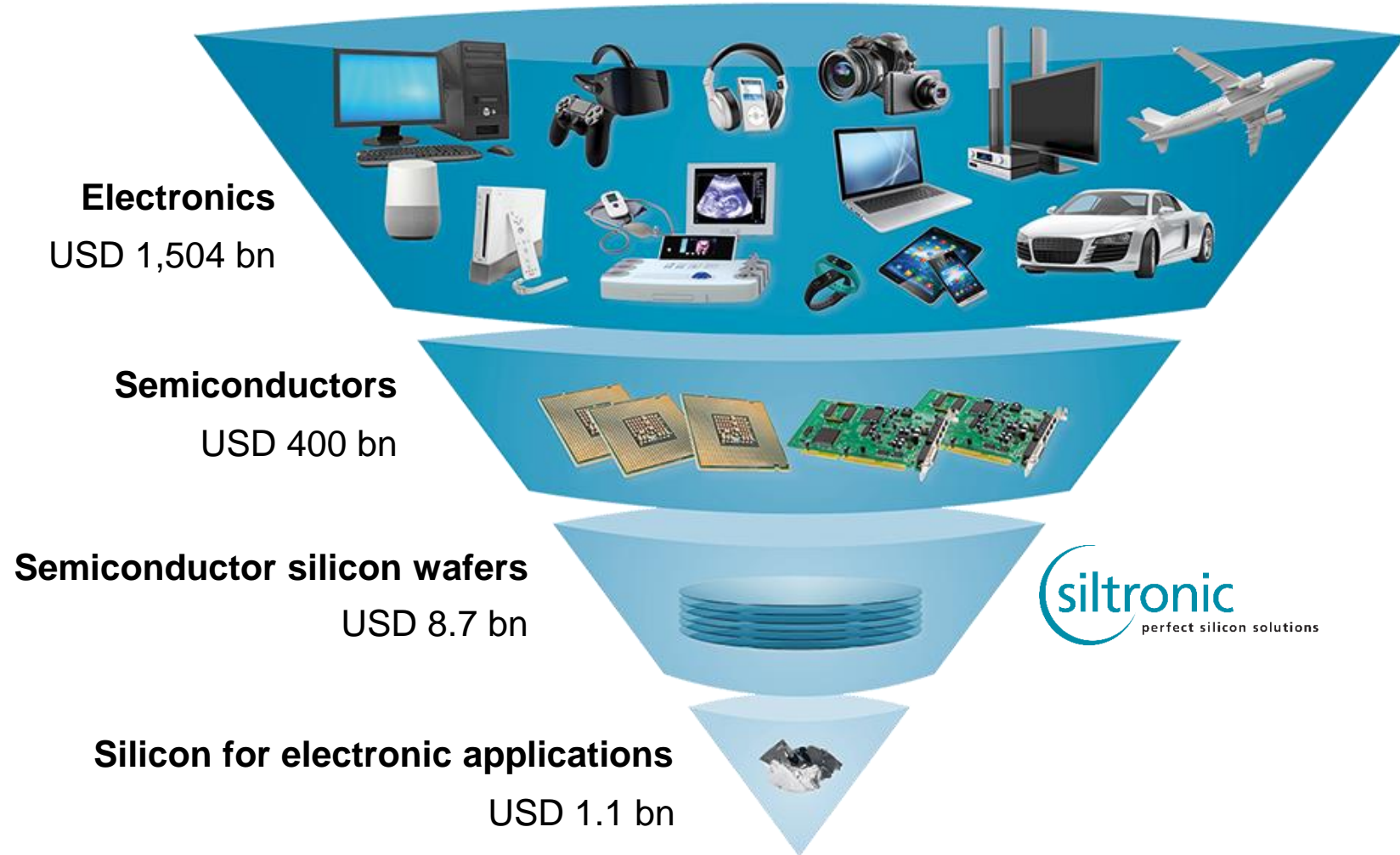


BUSINESS ENVIRONMENT

**....operating in a continuous
growing and improving
environment.....**

Increasing demand for electronic devices and new applications drive semiconductor growth, which in turn fuels silicon demand

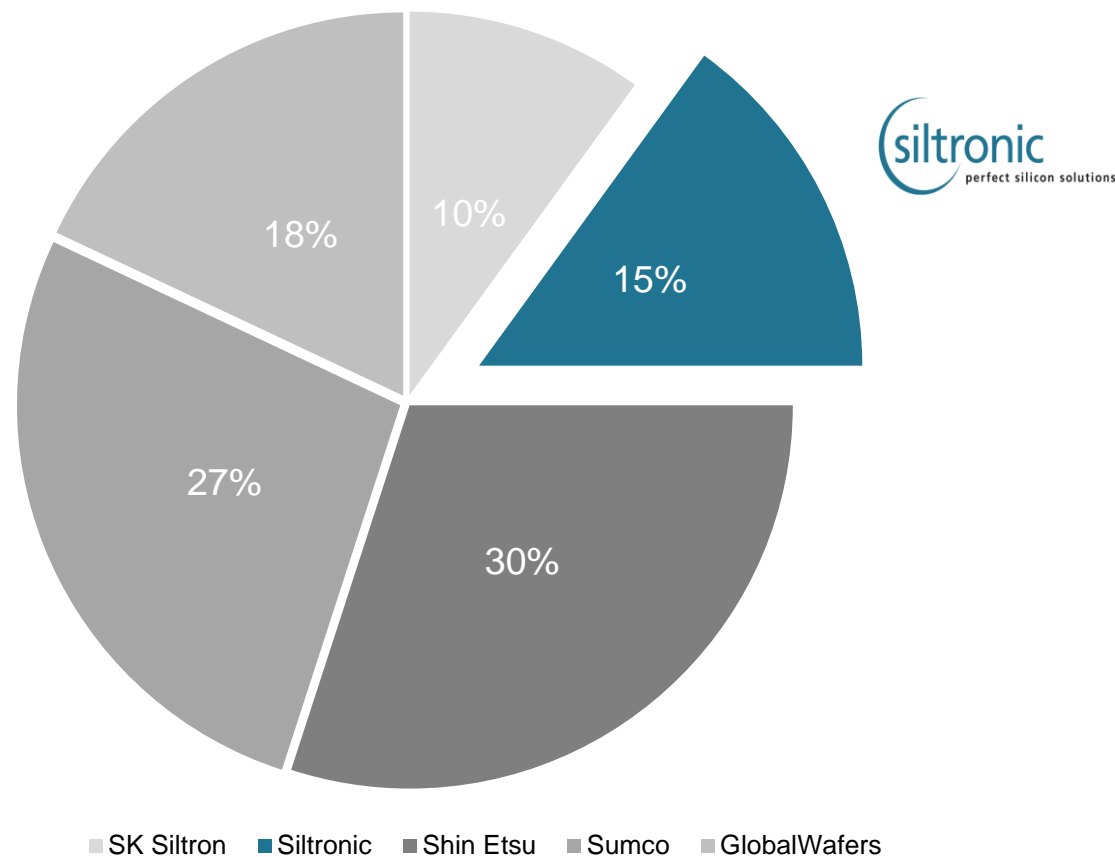
Electronics Value Chain 2017



Source: Electronics (IC Insights), Semiconductors (WSTS, only silicon-based), Silicon wafers (SEMI SMG), Electronic applications (estimate)

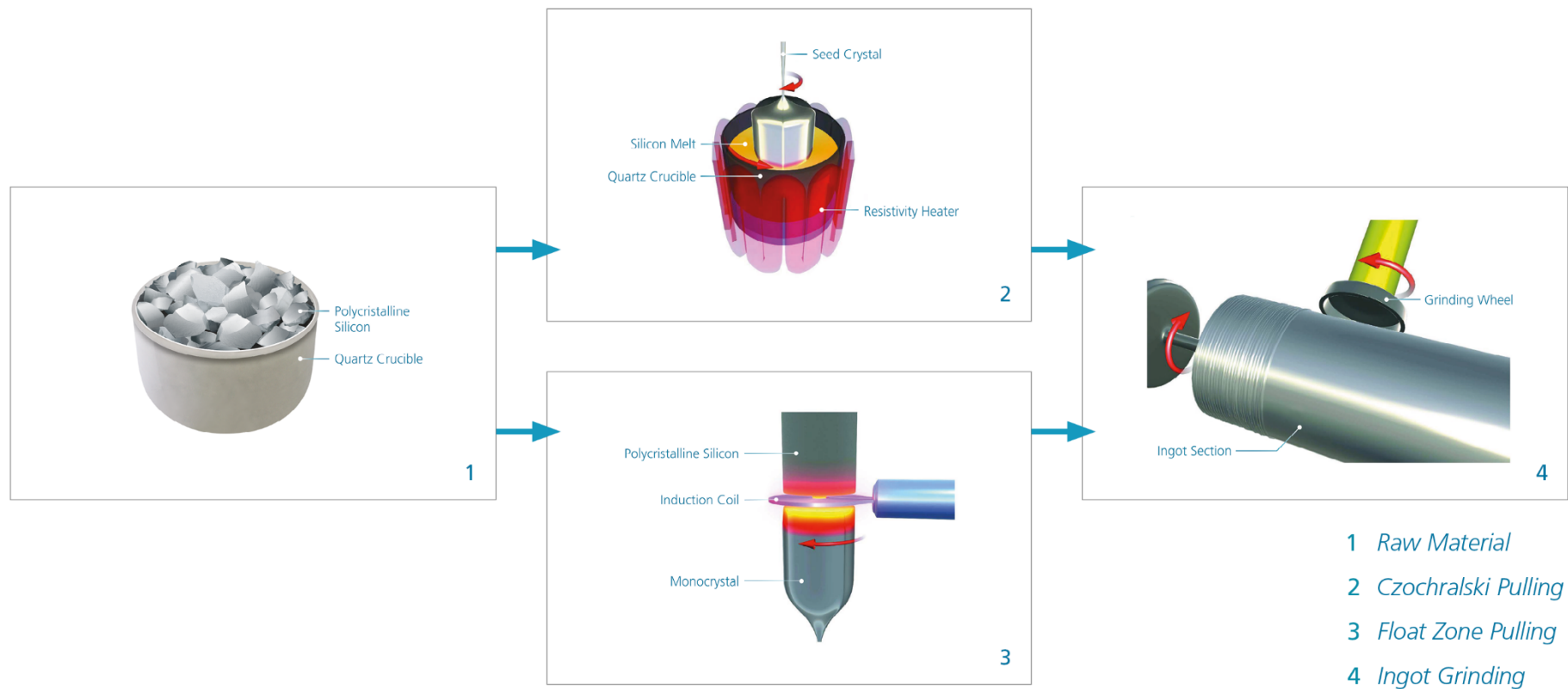
Siltronic is a strong wafer supplier with leading-edge technology

Top 5 wafer producers serve more than 90% of market across all diameters

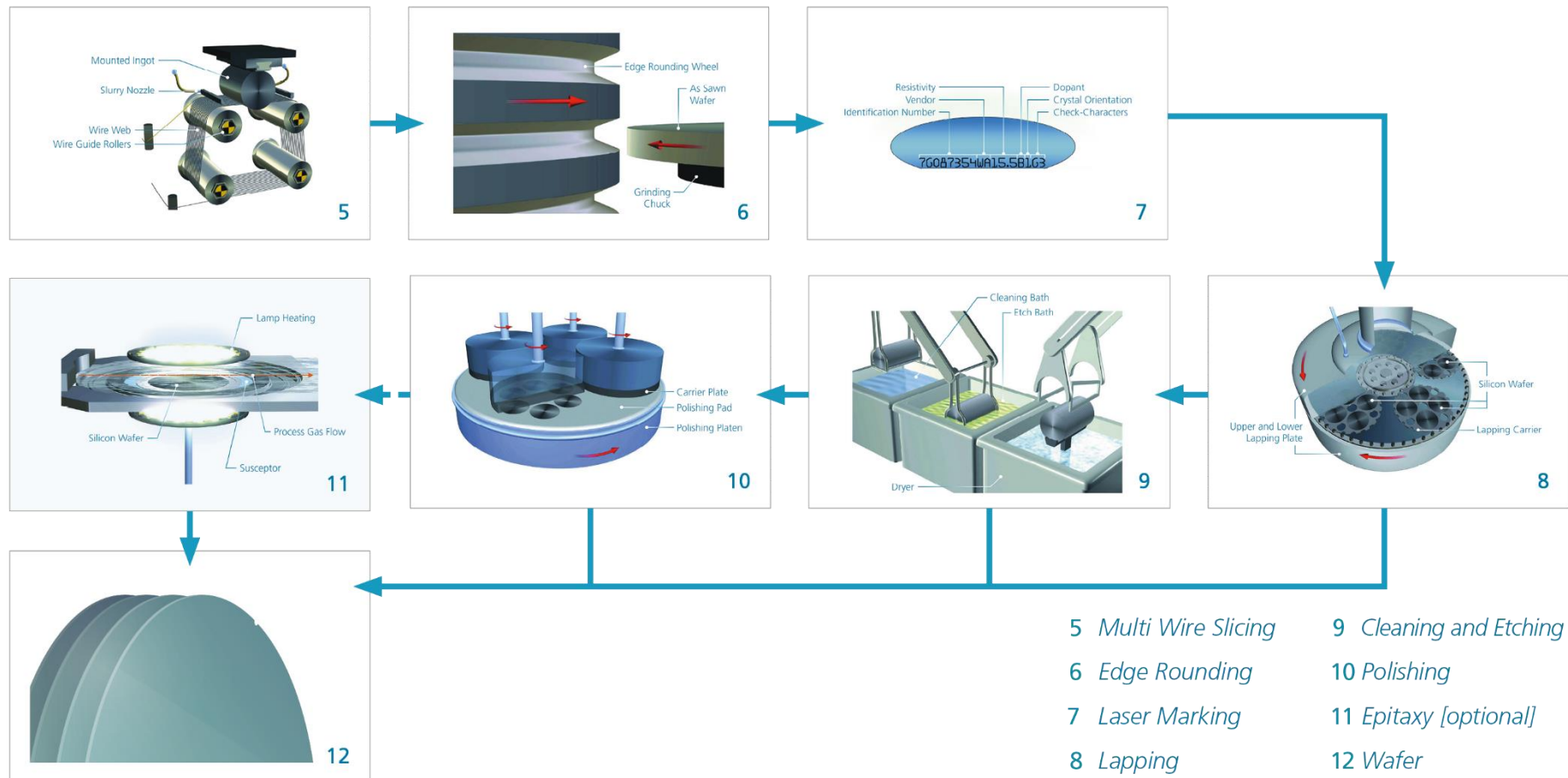


Sources: reported company revenues FY 2017, converted to USD million

Production process - ingot growing



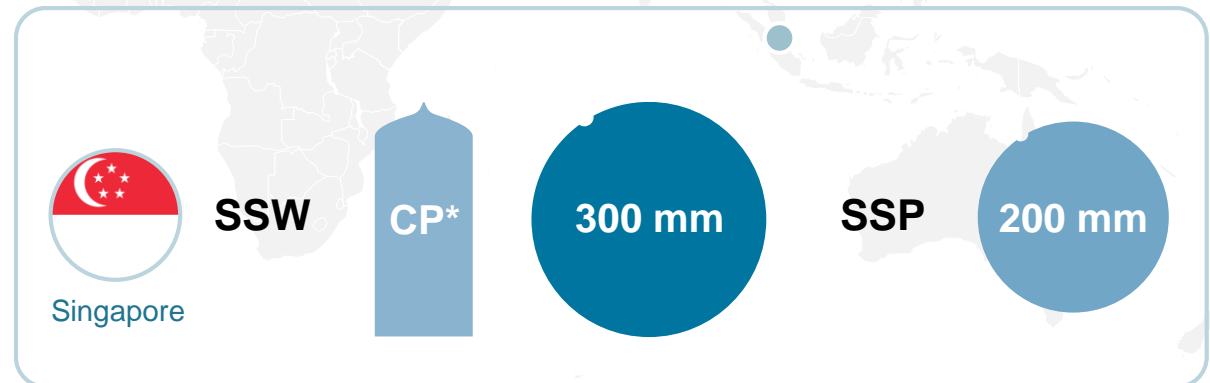
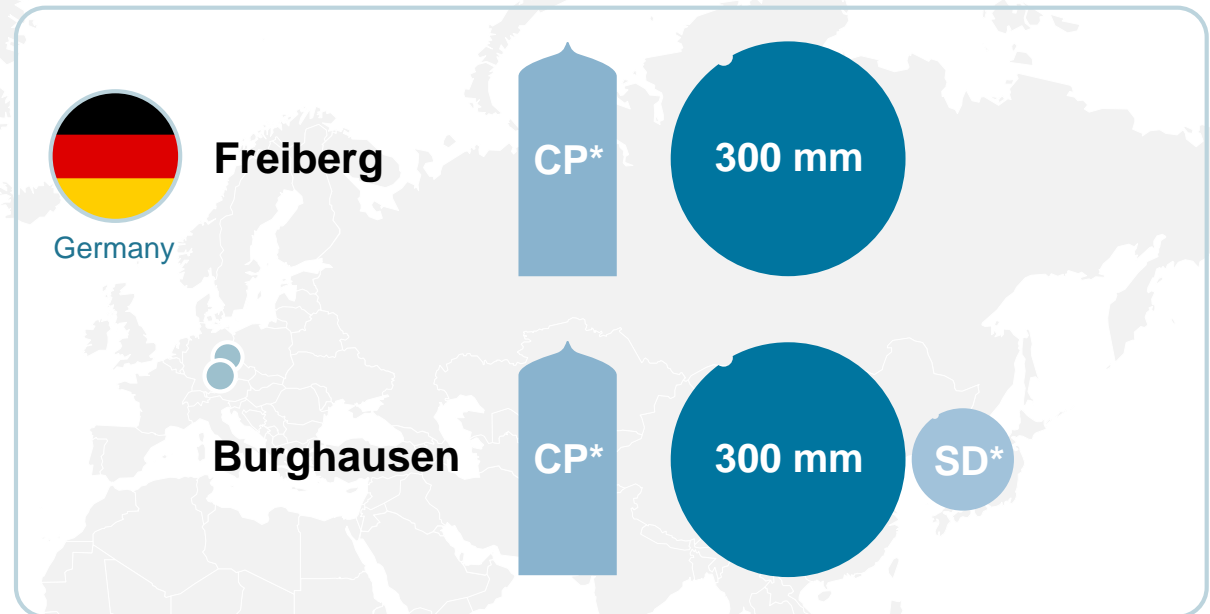
Production process - wafering



International manufacturing network supports market leadership and business focus



- ▶ **Central R&D hub** in Burghausen
- ▶ **High volume facilities** for 300 mm in Germany and Singapore
- ▶ Among world's **newest & largest fabs** in Singapore



*CP = Crystal Pulling | *SD = 150 mm and smaller

Customer base well diversified across all major semiconductor Silicon wafer consumers

Siltronic is a supplier to all top 20 Silicon wafer consumers



Siltronic well positioned at all
major Silicon consumers

Top 10 customers represent ~73%
of 2017 revenues

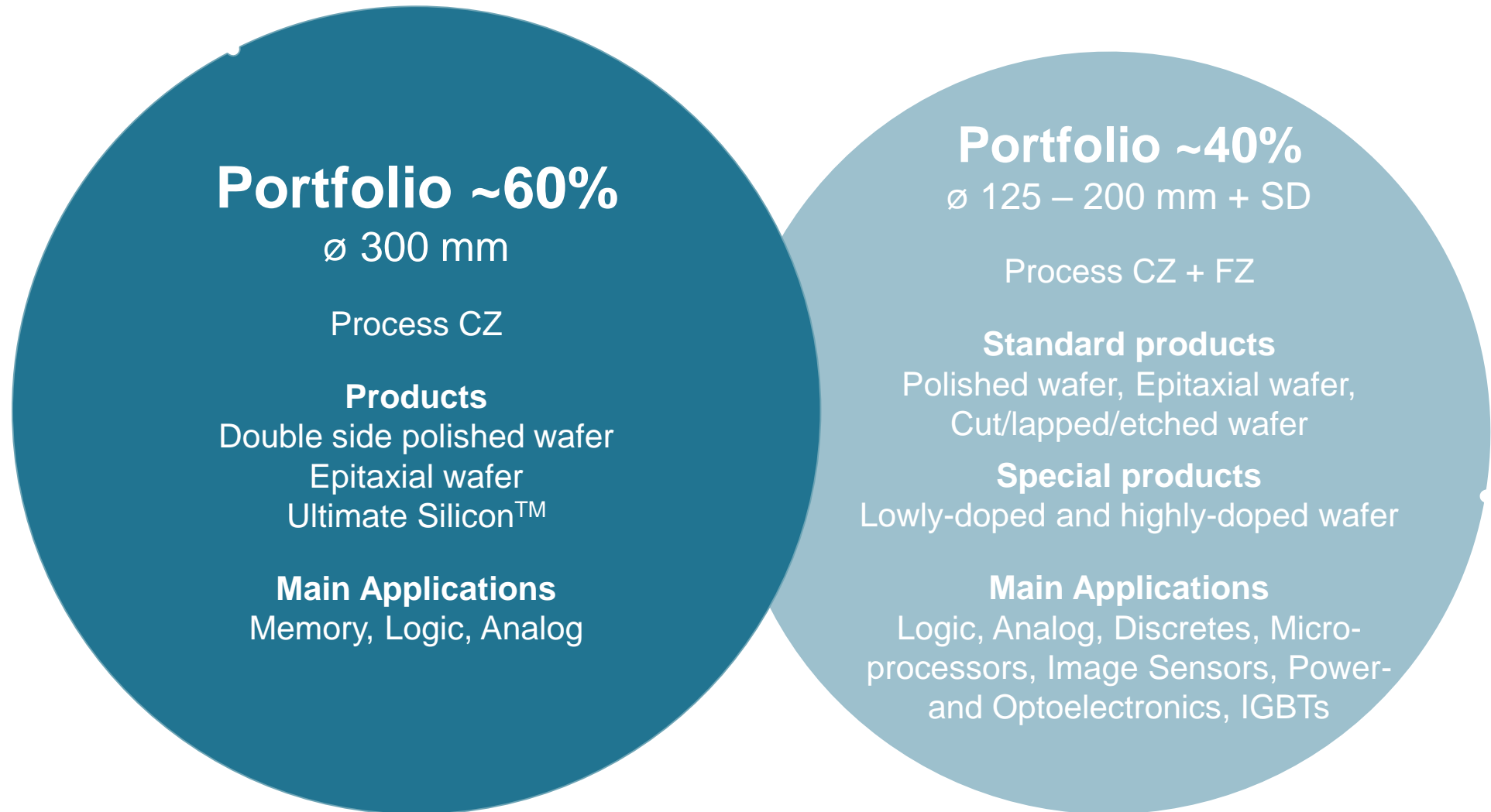
Source: Company Information, Siltronic



SILTRONIC - AN INDUSTRY TECHNOLOGY LEADER

**.....Technological
leadership - a constant race
for improvement.....**

Siltronic offers a broad product portfolio



Note: CZ: Czochralski crystal growing, FZ: float zone technology

The flatness of the wafer - just one of many requirements of our customers

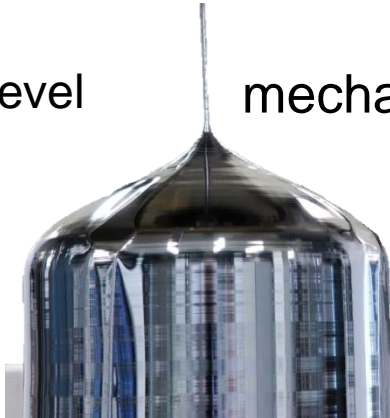
Ingots

doping level

mechanical stability

purity

resistivity



oxygen content

homogeneity

Wafer

flatness

edge flatness

uniformity

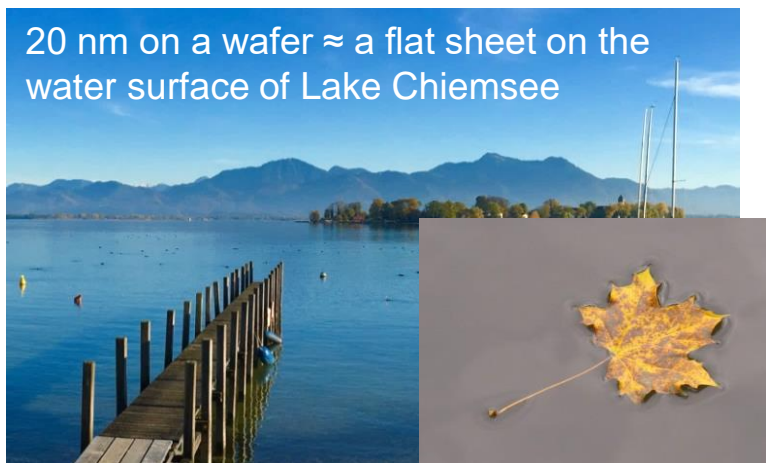


shape

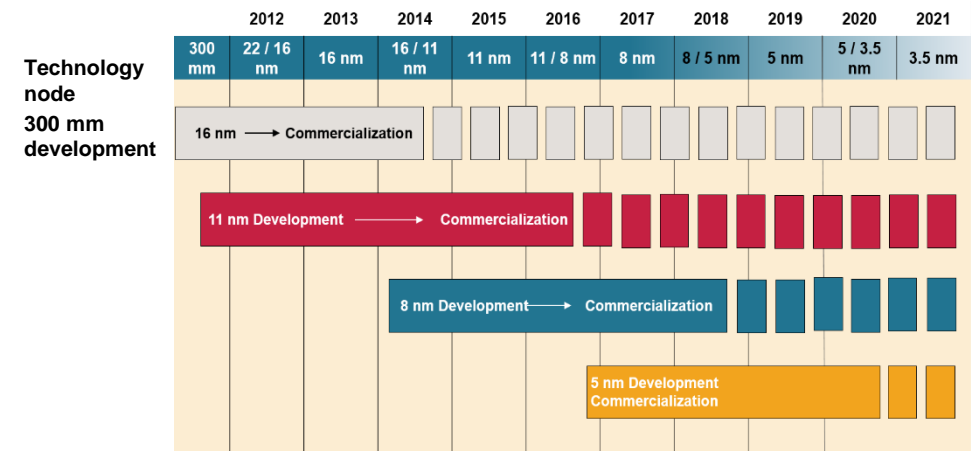
surface cleanliness

How flat are 20 nanometers?

20 nm on a wafer \approx a flat sheet on the water surface of Lake Chiemsee



Siltronic Design Rule Roadmap



Siltronic is a leader in wafer technology and quality

Technology leadership complemented with the highest level of quality

- ▶ First supplier to ship 300 mm wafers
- ▶ Development of 8 nm design rule started in 2013 (commercialization 2017)
- ▶ Concurrently optimizing on 50+ wafer parameters of each design rule
- ▶ >400 engineers worldwide
- ▶ Approximately 1,700 patents issued and pending (as of Dec. 31, 2017)
- ▶ Single wafer traceability for 300 mm
- ▶ Standardized processes across sites enabling “copy exactly” at product level

- ▶ Quality awards from several top semiconductor players



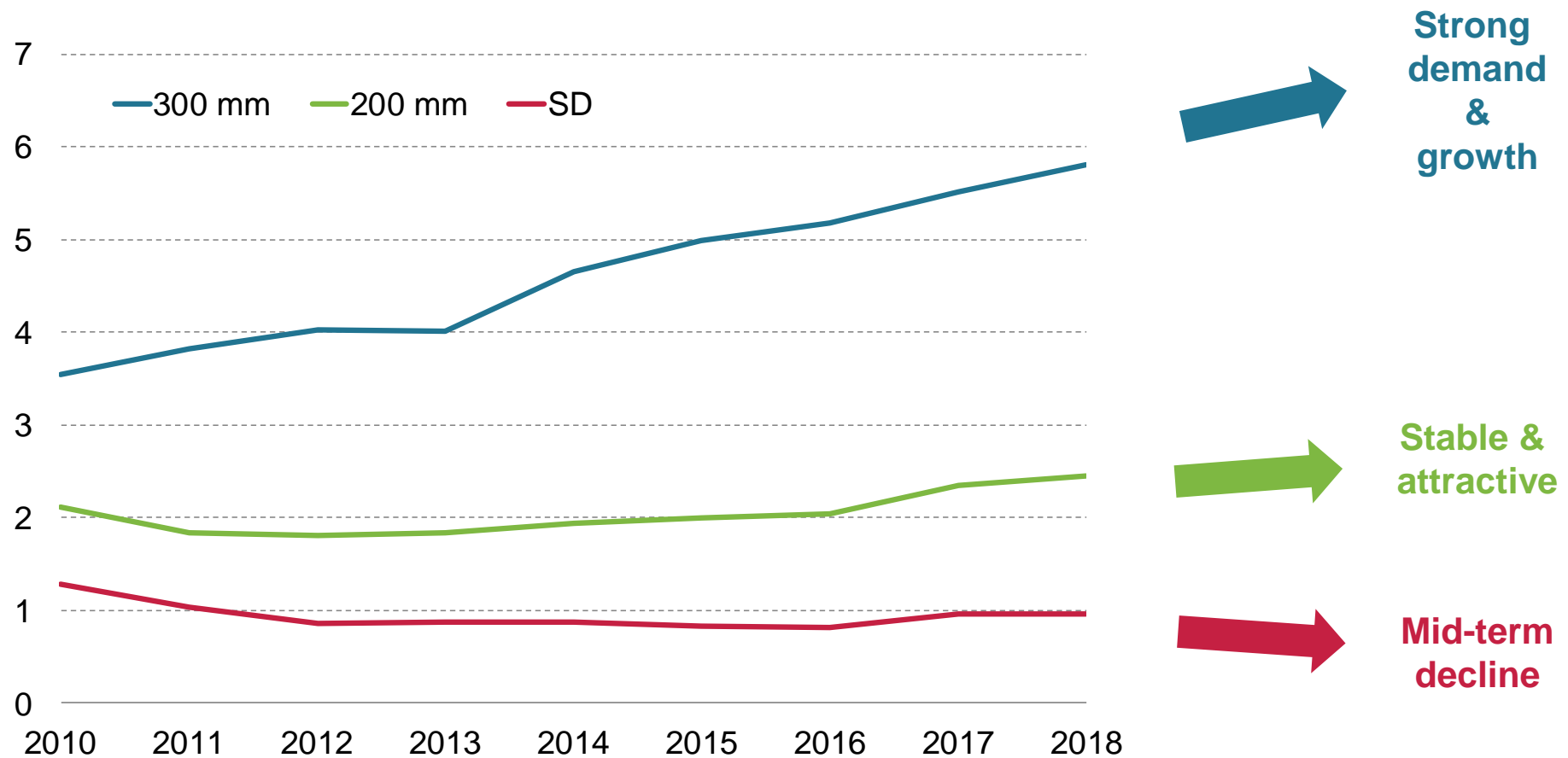


SILTRONIC PERFORMANCE

**...well prepared to gain from
future growth.....**

Siltronic is focused on growing 300 mm and attractive 200 mm business

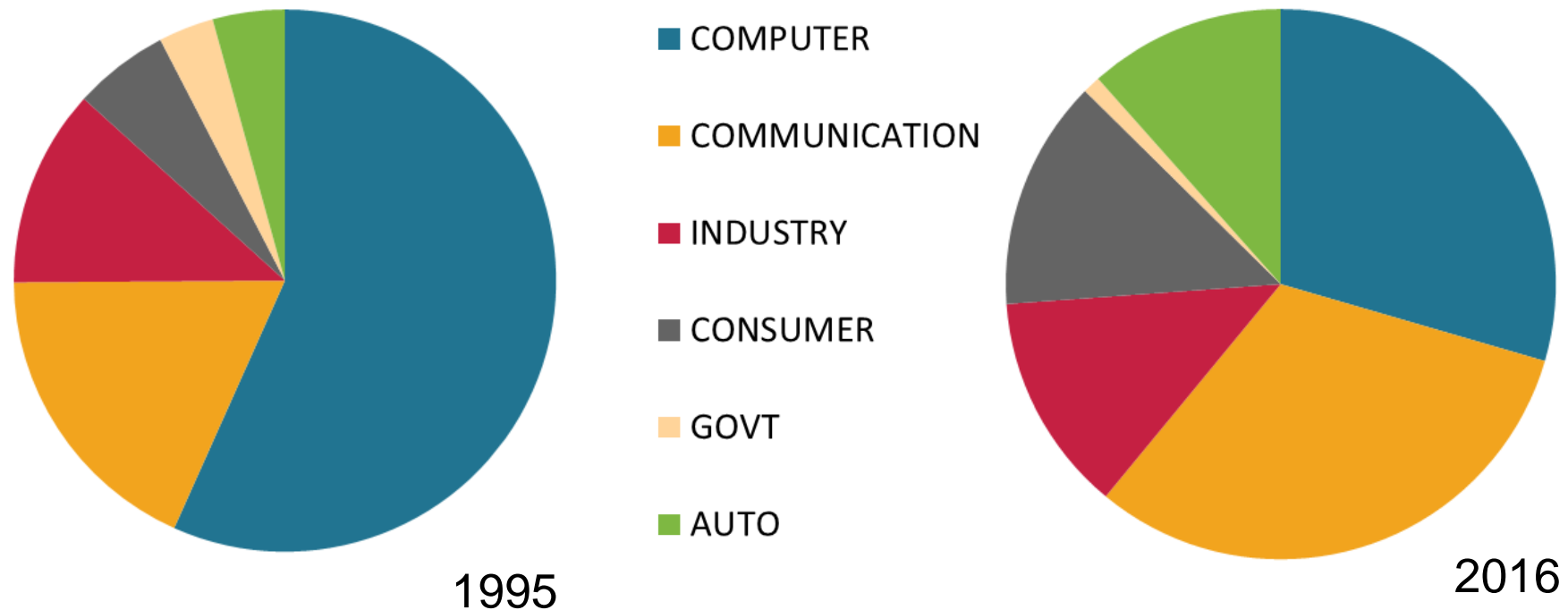
Development of Total Wafer Demand per Diameter, in mn 300 mm equivalents per month



Source: SEMI up to Mar 2018

20 years back more than half of the semiconductor sales was for computing – today's markets are much more diversified

Percentage of semiconductor sales



Silicon demand less volatile on broader application and markets

Sources: Computer History Museum, Catalog 107273410, WSTS 2017

Ever new applications for electronic devices and the infrastructure to support them continue to drive silicon demand

Electronic equipment contains multiple devices built on tailor-made Si substrates





END MARKETS

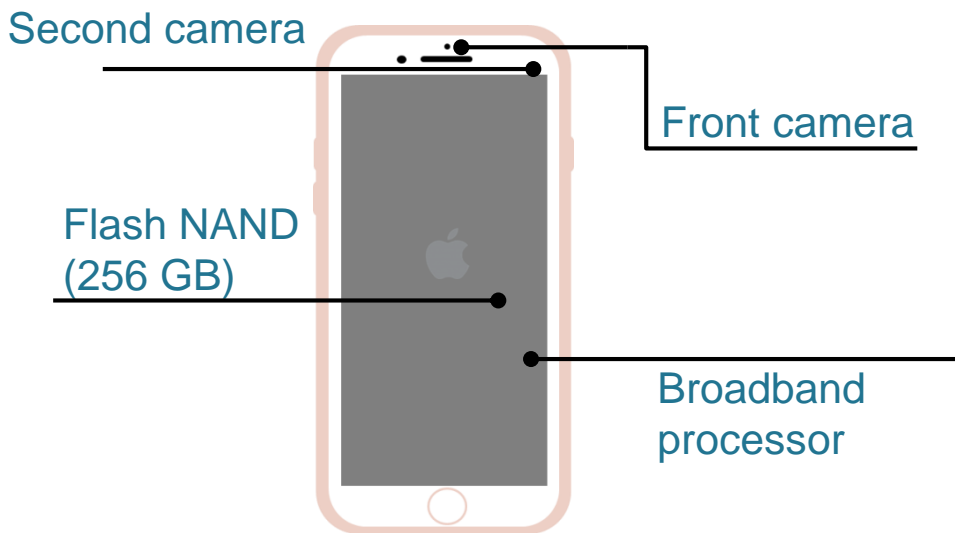
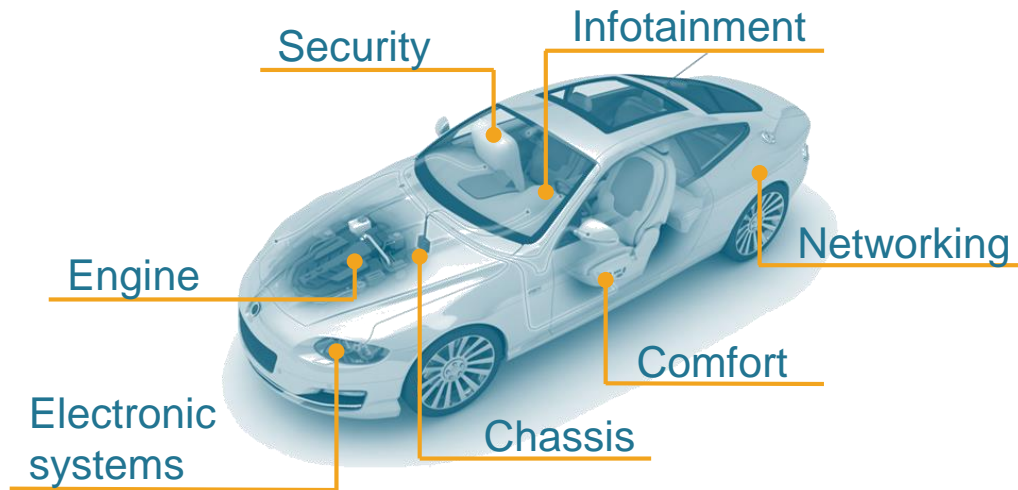
... are much more diverse
nowadays.

All electronics are based on silicon



Self-driving cars
Computers
Smartphones
Cloud services
Siltronic is a
Tablets
High speed networks
leader in Silicon
Electric cars
Smart cities
wafer technology
Appliances
Industry 4.0
Smart lighting

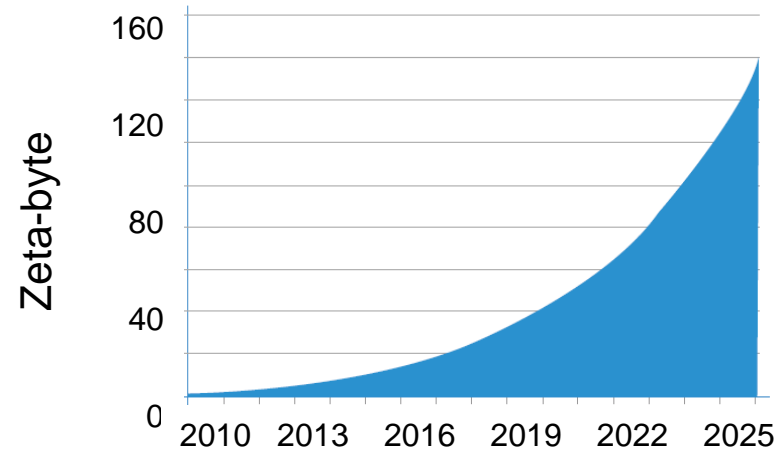
Data storage, networking and digitalization



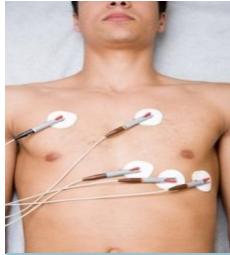
Source: CISCO VNI Forecast, IDC Data Age 2025; Siltronic estimates



7 billion networked devices will collect around 60 ZB of data in 2021



Industrial semiconductor segment comprises a wide range of applications



Medical

- ▶ diagnostics and control
- ▶ imaging equipment
- ▶ laboratory test
- ▶ patient monitoring



Building & Home

- ▶ built in climate control
- ▶ lighting
- ▶ safety & security equipment



Manufacturing

- ▶ manufacturing equipment
- ▶ robotics
- ▶ process control equipment
- ▶ measurement instruments
- ▶ motor controls



Power & Energy

- ▶ equipment for energy production and distribution
- ▶ industrial power supplies
- ▶ energy meters



Aerospace & Military

- ▶ aircraft systems
- ▶ radar, sonar, avionics
- ▶ missile guidance
- ▶ military grade computers



Other Industrial

- ▶ power tools
- ▶ ATMs
- ▶ ships, golf cars, electric bikes and trains

Source: [appliedmaterials.com](https://www.appliedmaterials.com)



STAKEHOLDERS' BENEFITS

...shareholders to benefit
from improved financials.....

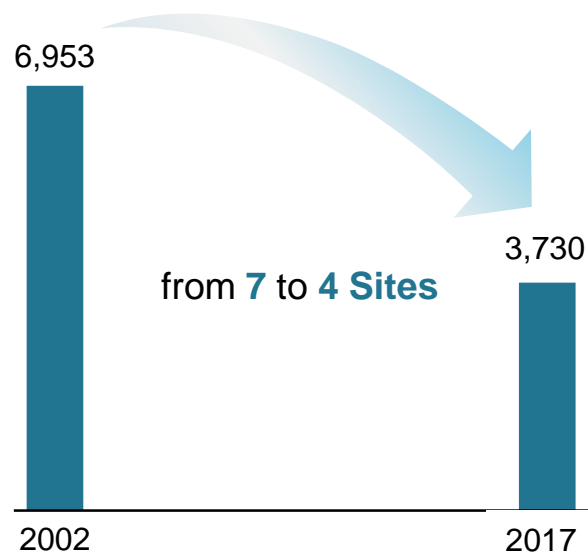
Financials improved strongly over the last years

Adjusted ¹ financial figures (EUR mn)	2012	2013	2014	2015	2016	2017
Sales	1030.0	875.5	853.4	931.3	933.4	1.177,3
EBIT	(75.5)	(87.3)	(31.6)	2.7	27.0	235.7
EBIT margin in %	(7.3)	(10.0)	(3.7)	0.3	2.9	20.0
EBITDA	122.5	112.6	117.7	124.0	146.0	353.1
EBITDA margin in %	11.9	12.9	13.8	13.3	15.6	30.0
CapEx	144.3	39.7	40.7	75.0	88.8	123.2
Free cash flow	(134.4)	64.7	86.3	37.4	19.0	169.6

¹ Figures 2012-2014 adjusted for consolidation effects resulting from acquisition of SSW and restructuring

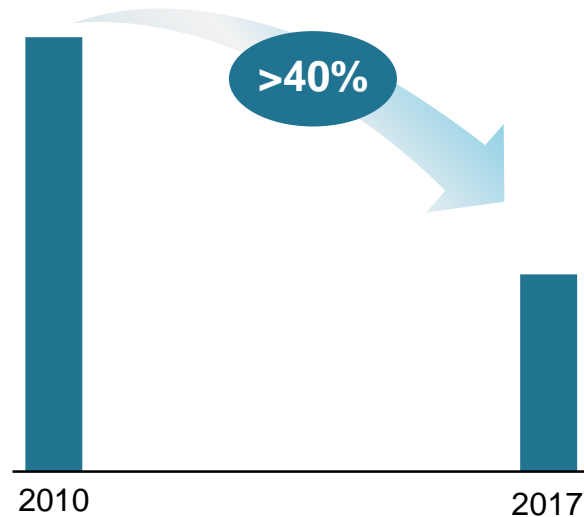
Outstanding cost reduction and efficiency improvement track record

Number of employees



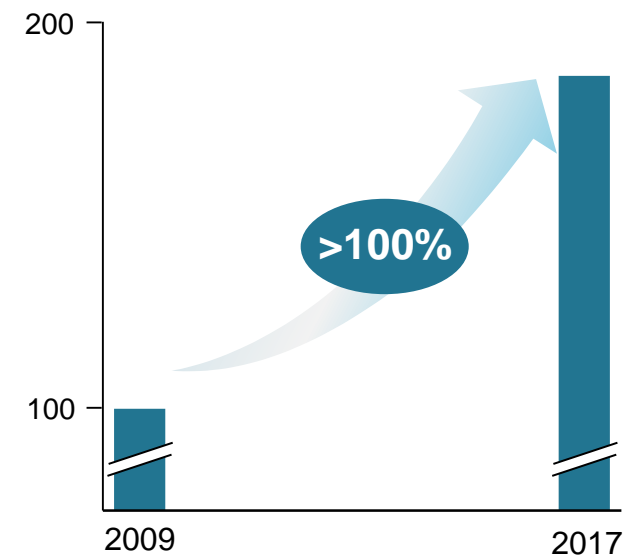
Successful restructuring including Germany

Variable costs of 300 mm wafer (Germany), in EUR / Wafer



More than 40% reduction of the variable unit costs in 300 mm wafer

300 mm Productivity¹ (Germany)

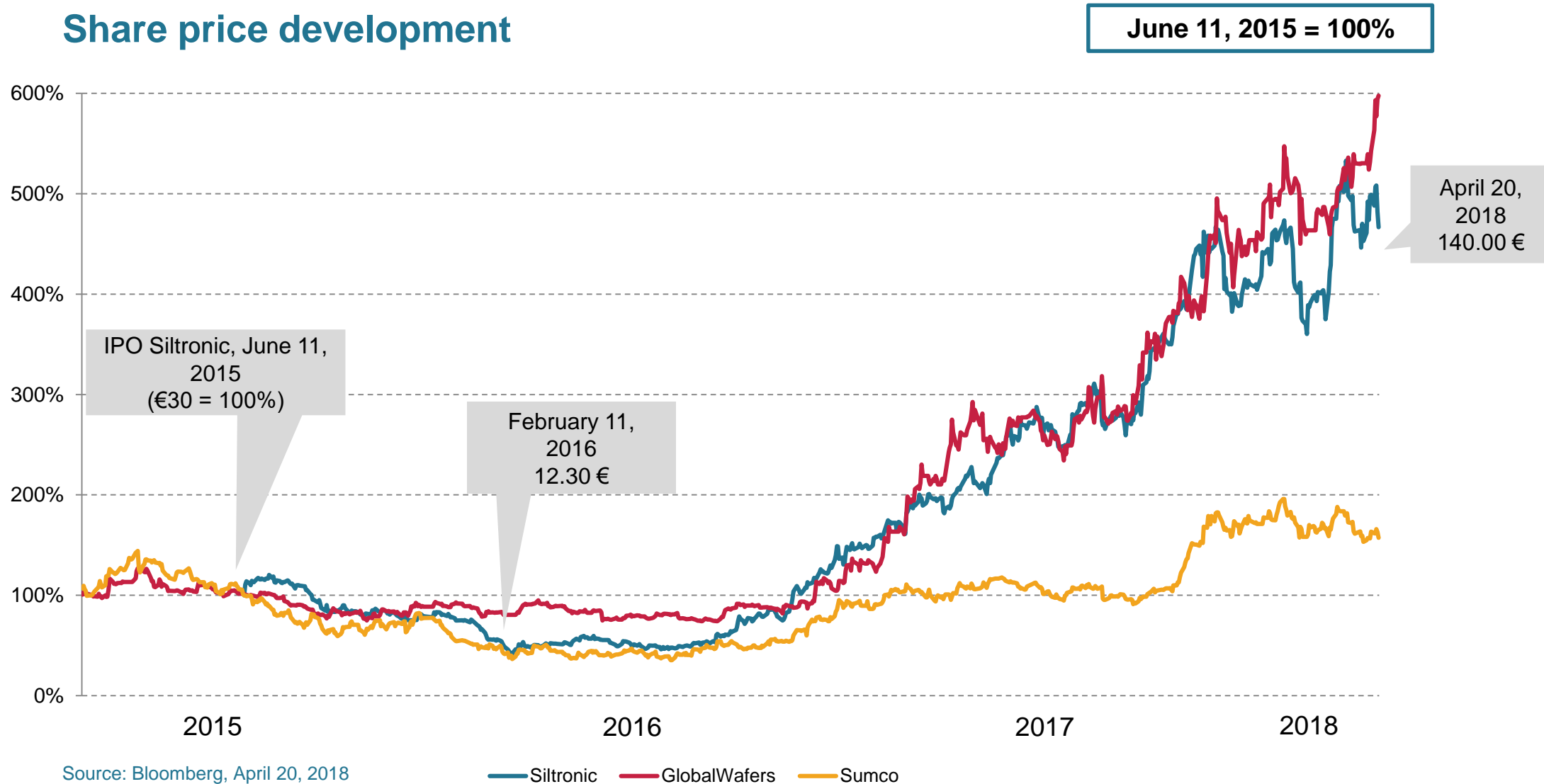


Almost 100% increase of employee productivity in 300 mm wafer

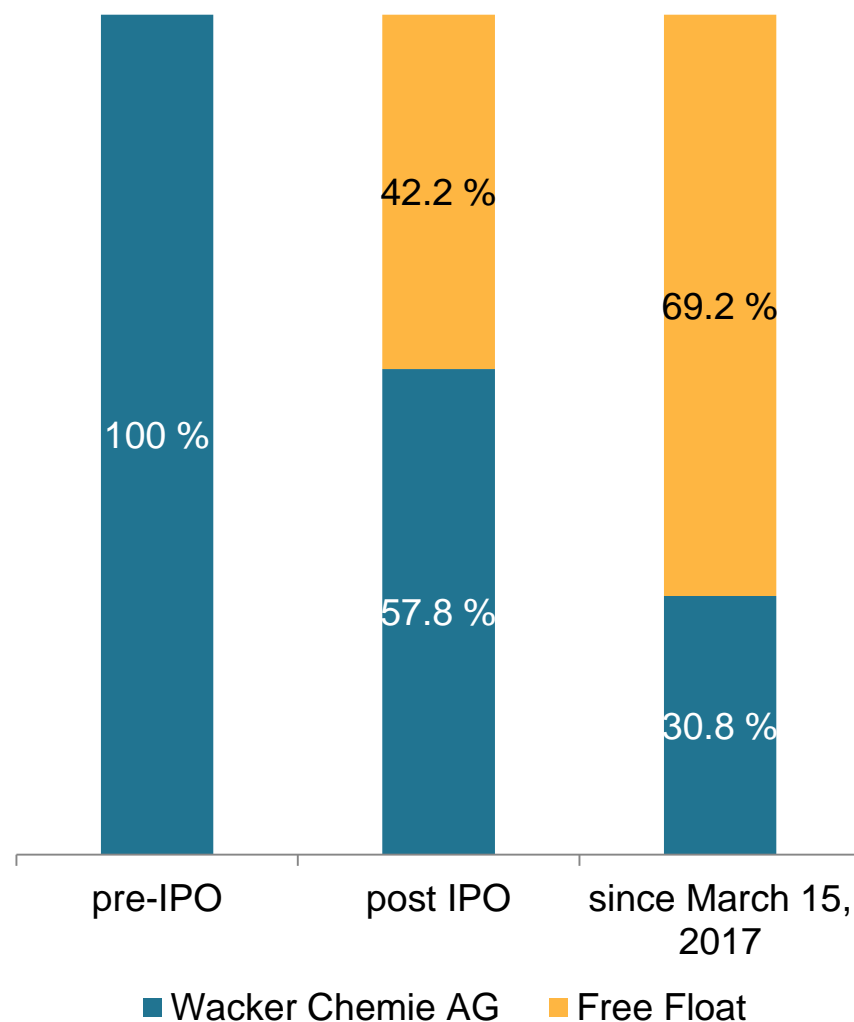
¹ Delivered wafer / paid hours (2009 = 100)

Siltronic's share price now more than quadrupled

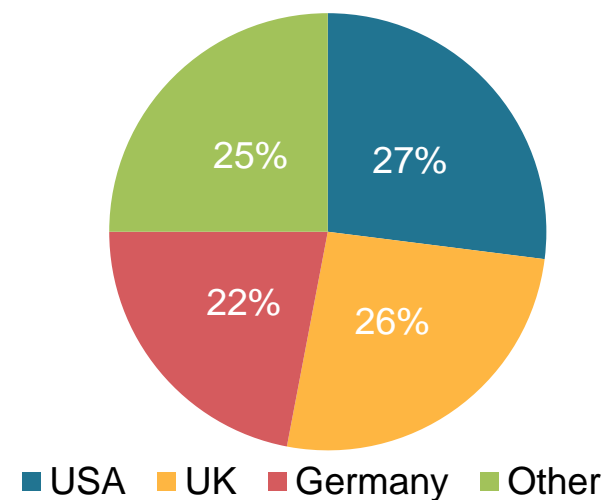
Share price development



Shareholder structure



Identified free float by region
(State: March 15, 2018)



Significant notifications of voting rights
(State: April 18, 2018)

BlackRock, Inc.	3.7 %
State of Norway	3.6 %
Morgan Stanley	3.2 %
J.P.Morgan	3.0 %

Investment Highlights – Siltronic Strengths

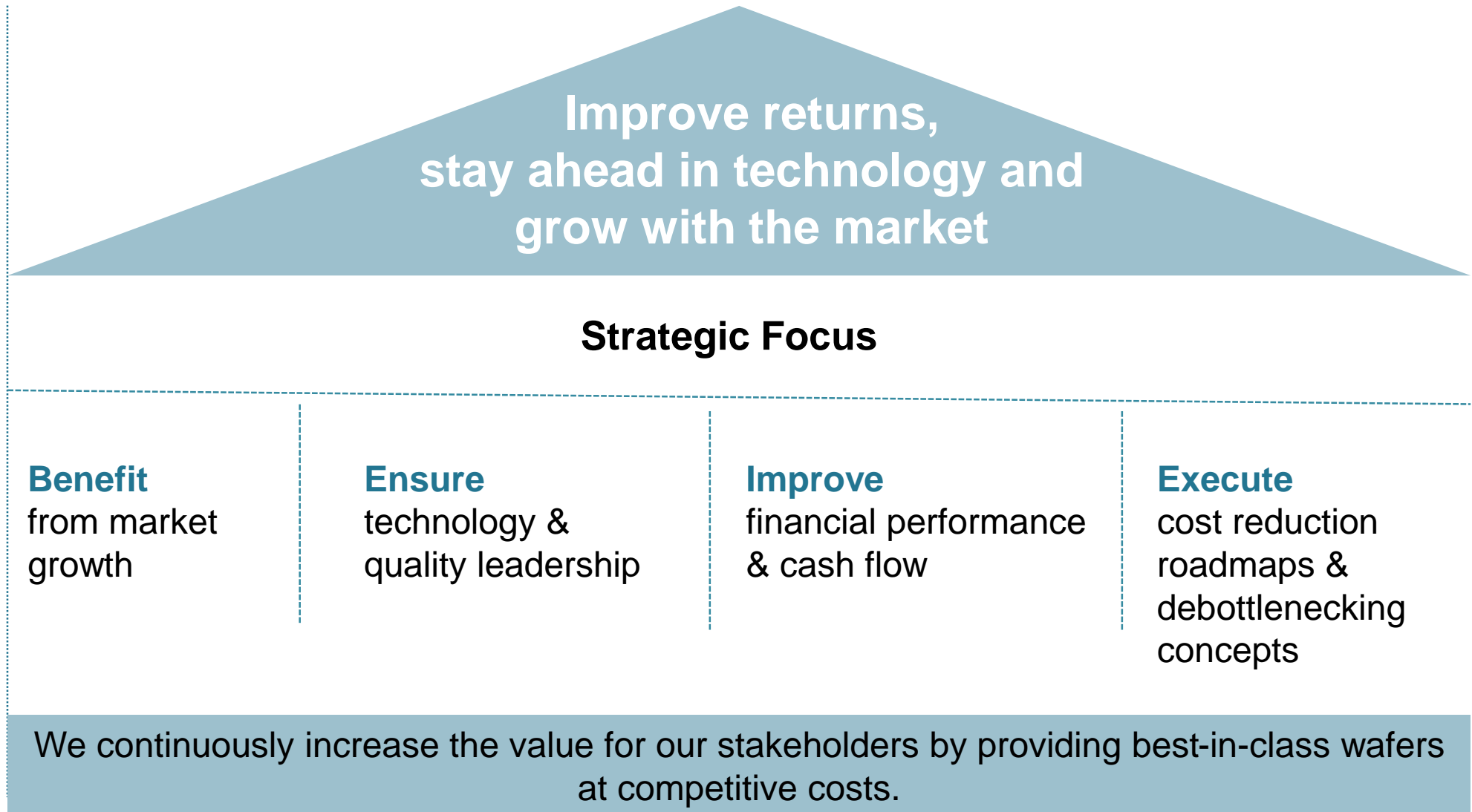
- 1 Strong market position in semiconductor silicon wafer manufacturing**
- 2 Technology and quality leader**
- 3 Supplier to all top 20 silicon wafer consumers with well-established relationships**
- 4 Strong track record in efficiency improvement and cost reduction**
- 5 Strategic supply of high-quality polysilicon at competitive cost**
- 6 Experienced management team and highly skilled workforce**



STRATEGY

.....no change in our proven strategy while enjoying improving returns.....

Siltronic strategy - capitalize on market opportunities while focusing on 300mm & technological leadership by growing with the market



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ISIN:	DE000WAF3001
WKN:	WAF300
Deutsche Börse:	WAF
Listing:	Frankfurt Stock Exchange Prime Standard

Financial Calendar

Q2 2018 Results	July 25, 2018
Q3 2018 Results	October 25, 2018



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