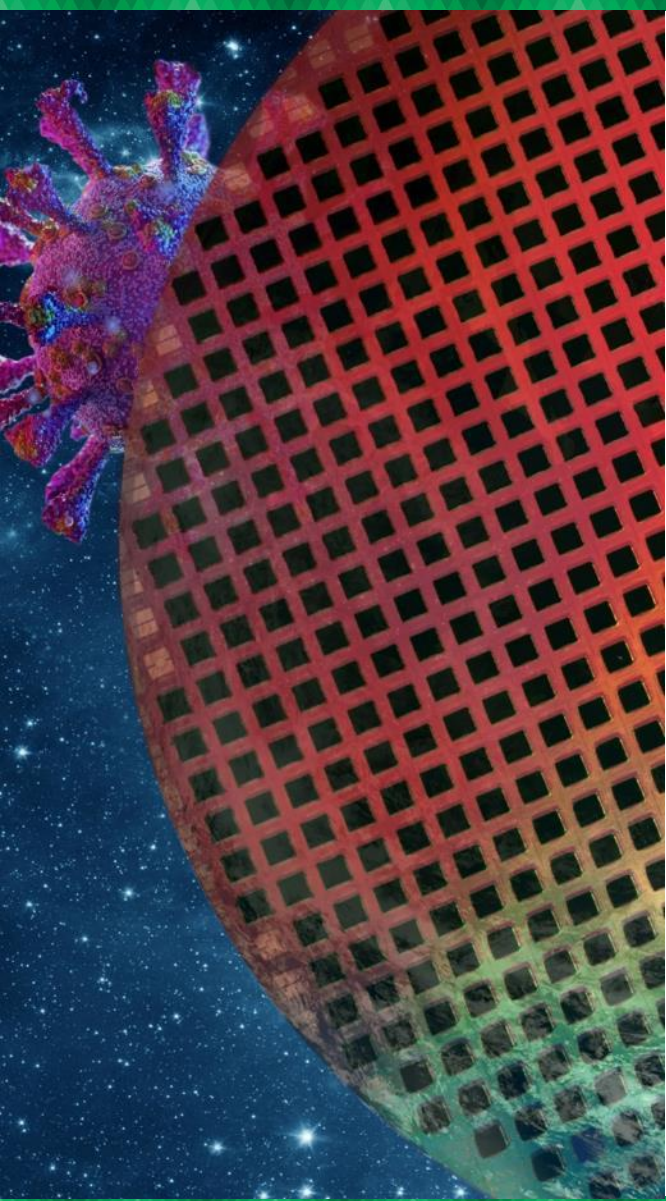




INVESTOR PRESENTATION

March 2022

This presentation contains statements about management's future expectations, plans and prospects of our business that constitute forward-looking statements, which are found in various places throughout the presentation, including, but not limited to, statements relating to expectations of orders, net sales, product shipments, expenses, timing of purchases of assembly equipment by customers, gross margins, operating results and capital expenditures. The use of words such as “anticipate”, “estimate”, “expect”, “can”, “intend”, “believes”, “may”, “plan”, “predict”, “project”, “forecast”, “will”, “would”, and similar expressions are intended to identify forward looking statements, although not all forward looking statements contain these identifying words. The financial guidance set forth under the heading “Outlook” contains such forward looking statements. While these forward looking statements represent our judgments and expectations concerning the development of our business, a number of risks, uncertainties and other important factors could cause actual developments and results to differ materially from those contained in forward looking statements, including any inability to maintain continued demand for our products; failure of anticipated orders to materialize or postponement or cancellation of orders, generally without charges; the volatility in the demand for semiconductors and our products and services; the extent and duration of the COVID-19 pandemic and measures taken to contain the outbreak, and the associated adverse impacts on the global economy, financial markets, global supply chains and our operations as well as those of our customers and suppliers; failure to develop new and enhanced products and introduce them at competitive price levels; failure to adequately decrease costs and expenses as revenues decline; loss of significant customers, including through industry consolidation or the emergence of industry alliances; lengthening of the sales cycle; acts of terrorism and violence; disruption or failure of our information technology systems; consolidation activity and industry alliances in the semiconductor industry that may result in further increased customer concentration, inability to forecast demand and inventory levels for our products; the integrity of product pricing and protection of our intellectual property in foreign jurisdictions; risks, such as changes in trade regulations, conflict minerals regulations, currency fluctuations, political instability and war, associated with substantial foreign customers, suppliers and foreign manufacturing operations, particularly to the extent occurring in the Asia Pacific region where we have a substantial portion of our production facilities; our ability to mitigate the dislocations caused by the flood at one of our Malaysian production facilities, potential instability in foreign capital markets; the risk of failure to successfully manage our diverse operations; any inability to attract and retain skilled personnel, including as a result of restrictions on immigration, travel or the availability of visas for skilled technology workers as a result of the COVID-19 pandemic; those additional risk factors set forth in Besi's annual report for the year ended December 31, 2021 and other key factors that could adversely affect our businesses and financial performance contained in our filings and reports, including our statutory consolidated statements. We expressly disclaim any obligation to update or alter our forward-looking statements whether as a result of new information, future events or otherwise.

- I. Company Overview
- II. Market
- III. Strategy
- IV. Financial Update and Summary
- V. Appendix



I. COMPANY OVERVIEW

Corporate Profile

- Leading assembly equipment supplier with #1 and #2 positions in key markets. ~30% addressable market share
- Broad portfolio: die attach, packaging and plating
- Strategic positioning in substrate and wafer level packaging
- ~75% of systems used for advanced packaging applications
- Global operations in 6 countries; 2,141 employees. HQ in the Netherlands

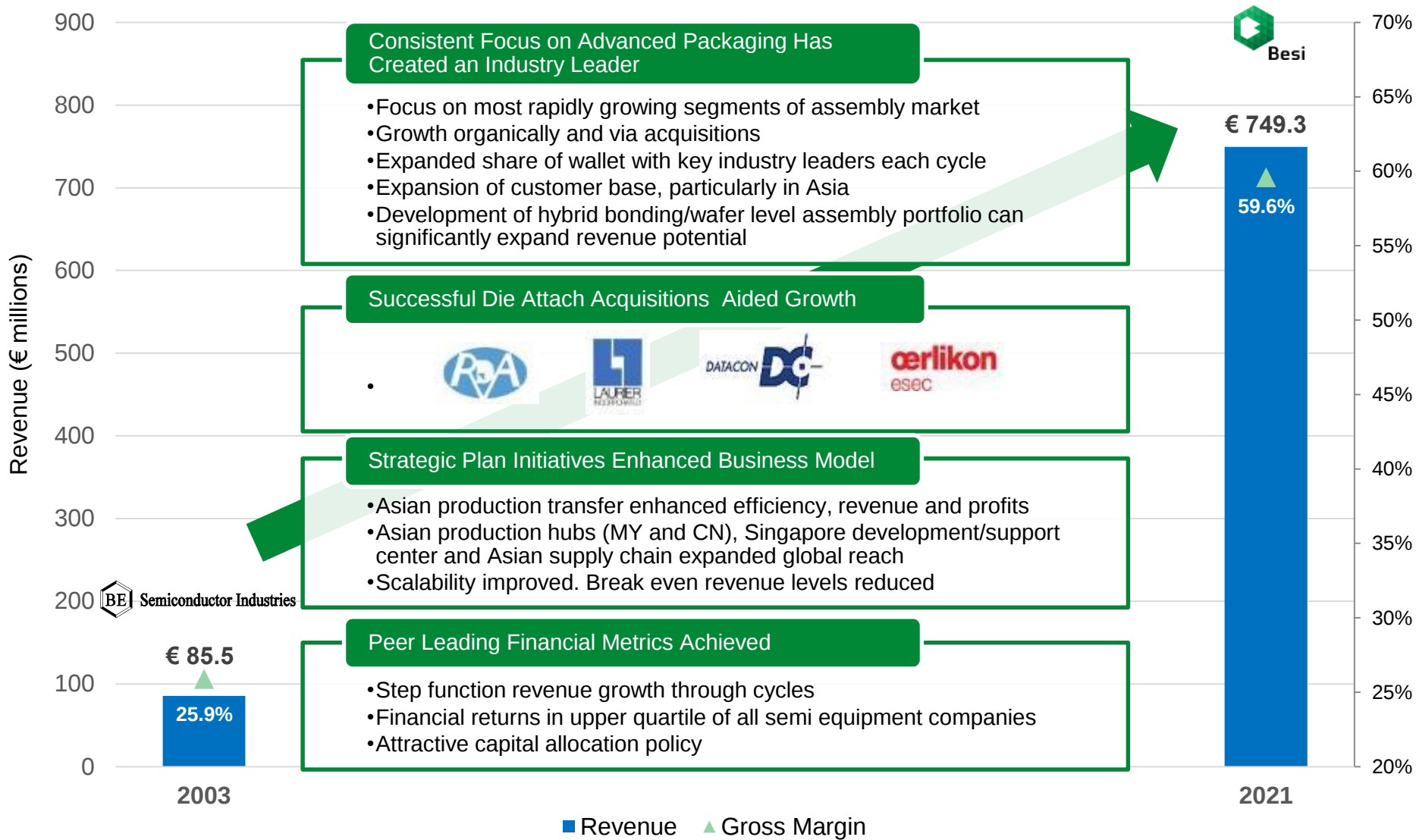
Financial Highlights

- 2021 revenue and net income of € 749.3 million and € 282.4 million
- Cash/deposits at Q4-21: € 672.2 million
- Net cash/deposits at Q4-21: € 370.4 million
- € 1.2 billion of dividends and share repurchases since 2011*

Investment Considerations

- Leading position in advanced packaging. Ever more critical part of semi value chain.
- Peer leading financial metrics
- Multiple growth drivers: Digital and cloud infrastructure build out, smart everything, 5G, AI, HPC, Data centers, vehicle electrification
- Hybrid bonding adoption and expansion of wafer level assembly portfolio hold potential to significantly expand revenue and profit potential

* Includes 2021 dividend payment of € 3.33 per share for approval at 2022 AGM.



Capital Allocation

Attractive capital allocation program

€ 1.2 billion of dividends and share repurchases since 2011*

Represents ~25% of total revenue

Strategic/Financial

Disciplined execution has created leader in advanced packaging

Superior through cycle financial performance versus peers

Best in class financial metrics

Record 2021 results

Shareholder Return

Superior Total Returns:

- 55% (1 year)
- 357% (3 year)
- 498% (5 year)

Consistent TSR outperformance vs. peers

Upper quartile ranking for all semi-equipment companies

* Includes proposed 2021 dividend for approval at 2022 AGM.

Industry Leading Equipment Portfolio

Die Attach (82% of 2021 Revenue)

Multi-Module Attach



- 2200 evo
- 2200 evo *plus*
- 2200 evo *hS*
- 2200 evo *advanced*
- 2200 evo *hf* **New**

Epoxy / Soft Solder



- 2100 hS
- 2100 hS *i*
- 2100 sD *advanced i*
- 2100 hS *ix* **New**
- 2009 SSI
- 2100 SSI **New**
- 2100 DS

Flip-chip



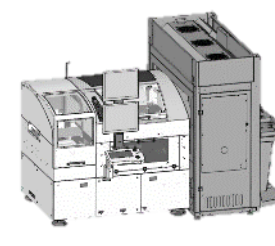
- 8800 CHAMEO *advanced / PLP*
- 8800 FC CHAMEO *Ultra* **New**
- 8800 FC Quantum *adv / sigma*
- 8800 FC Quantum *hs*
- 2100 FC *hS*

Direct Lid Attach



- DLA
- TGB 2.0 **New**

Embedded Bridge Attach



- DBA **New**

Thermo Compression



- 8800 TC *advanced* (Substrate)
- 8800 TC *NEXT* (Chip to Wafer) **New**

Hybrid Bonding



- 8800 CHAMEO *ultra plus* **New**

Packaging & Plating (18% of 2021 Revenue)

Leadframe Molding



- AMS-i**
 - MEMS
 - Sensors
- AMS-X** **New**
 - HD Leadframe
 - Power Devices

Substrate Molding



- AMS-LM**
 - Substrate strip format
 - Exposed die

Wafer & Panel Molding



- FML**
 - Wafer molding
 - Panel molding

Trim and Form



- FCL-X/P**
 - Leadframe trim & form
 - Sorting

Singulation

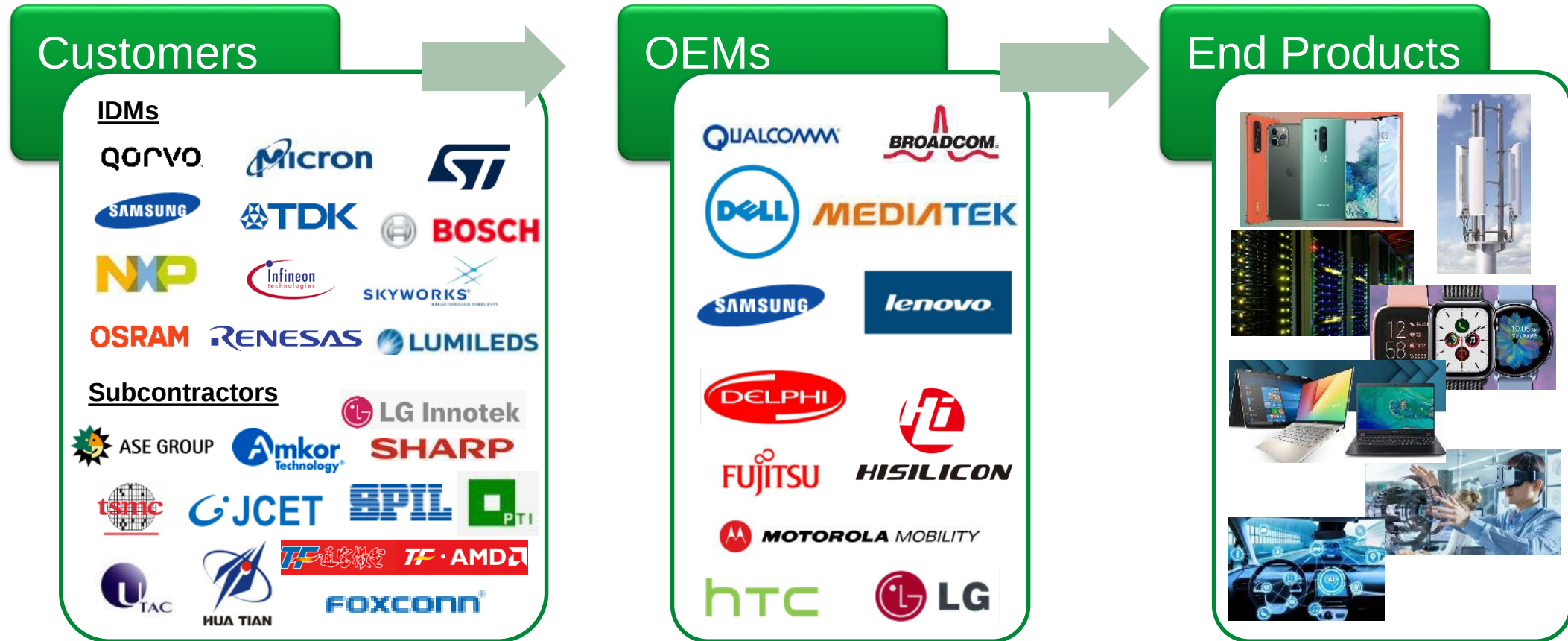


- FSL**
 - Substrate strip singulation
 - Sorting

Plating



- Leadframe
- Solar
- Film & Foil
- Chemical Deflash **New**
- Wettable Flank **New**



- Diversified, blue chip customer base, top 10 = ~53% of 2021 revenue
- Leading IDMs and subcontractors. 55%/45% order split in 2021
- Also supply leading fabless companies: Qualcomm, AMD, Broadcom, MediaTek via subcontractors
- Long term relationships, some exceeding 50 years

From Processed Wafer to Assembled Chip

Semiconductor Manufacturing Equipment 2021: \$101.9B*

Front end: \$87.9B
(86%)

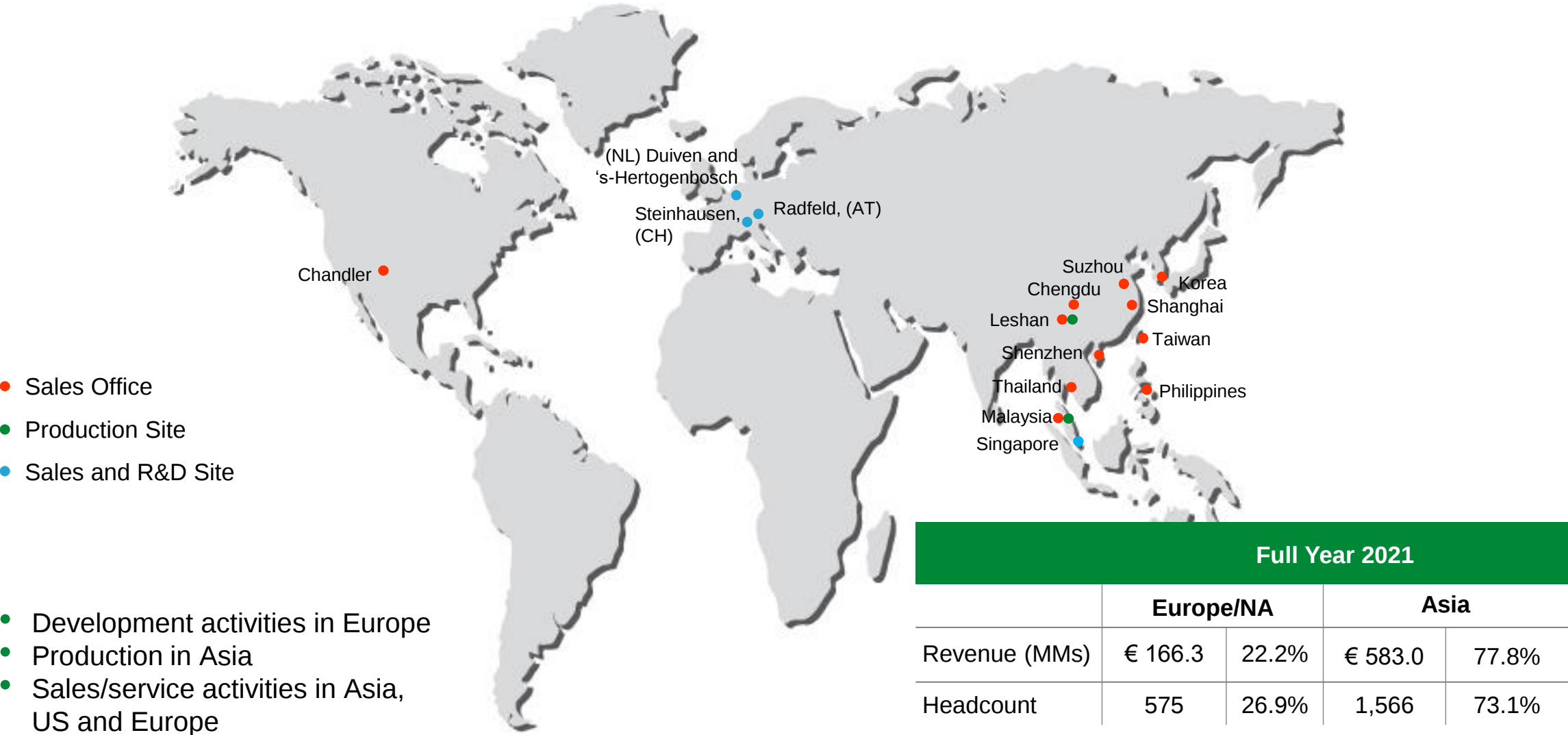
Assembly: \$5.6B
(6%)

Test: \$8.4B
(8%)

Assembly Process	Dicing	Die Attach	Wire Bond	Packaging	Plating
Leadframe Wire Bond	-		-		
Substrate Wire bond	-		-		-
Substrate Flip chip/TCB	-		-		-
Wafer Level Hybrid, EMIB, TCB, Flip Chip, FOWLP	-		-		-

Source: VLSI, January 2022

Current Operational Profile



Summary Financials

Year Ended December 31, (€ millions, ex share data)	2019	2020	2021
Revenue	356.2	433.6	749.3
% seq. change	-32%	+22%	+73%
Orders	348.7	472.1	939.1
Gross margin	55.8%	59.6%	59.6%
EBITDA	111.7	169.0	335.1
Pretax income	78.1	137.5	303.8
Net income	81.3	132.3	282.4
Net margin	22.8%	30.5%	37.7%
EPS (diluted)	1.06	1.67	3.39
EPS (basic)	1.12	1.82	3.70
Dividend per share	1.01	1.70	3.33
Net cash & Deposits	130.3	198.7	370.4

Long term, step function growth in cyclical business

- Increased revenue, profitability and market share per cycle
- Peer leading financial metrics

Strong upturn in 2021 despite supply chain disruptions

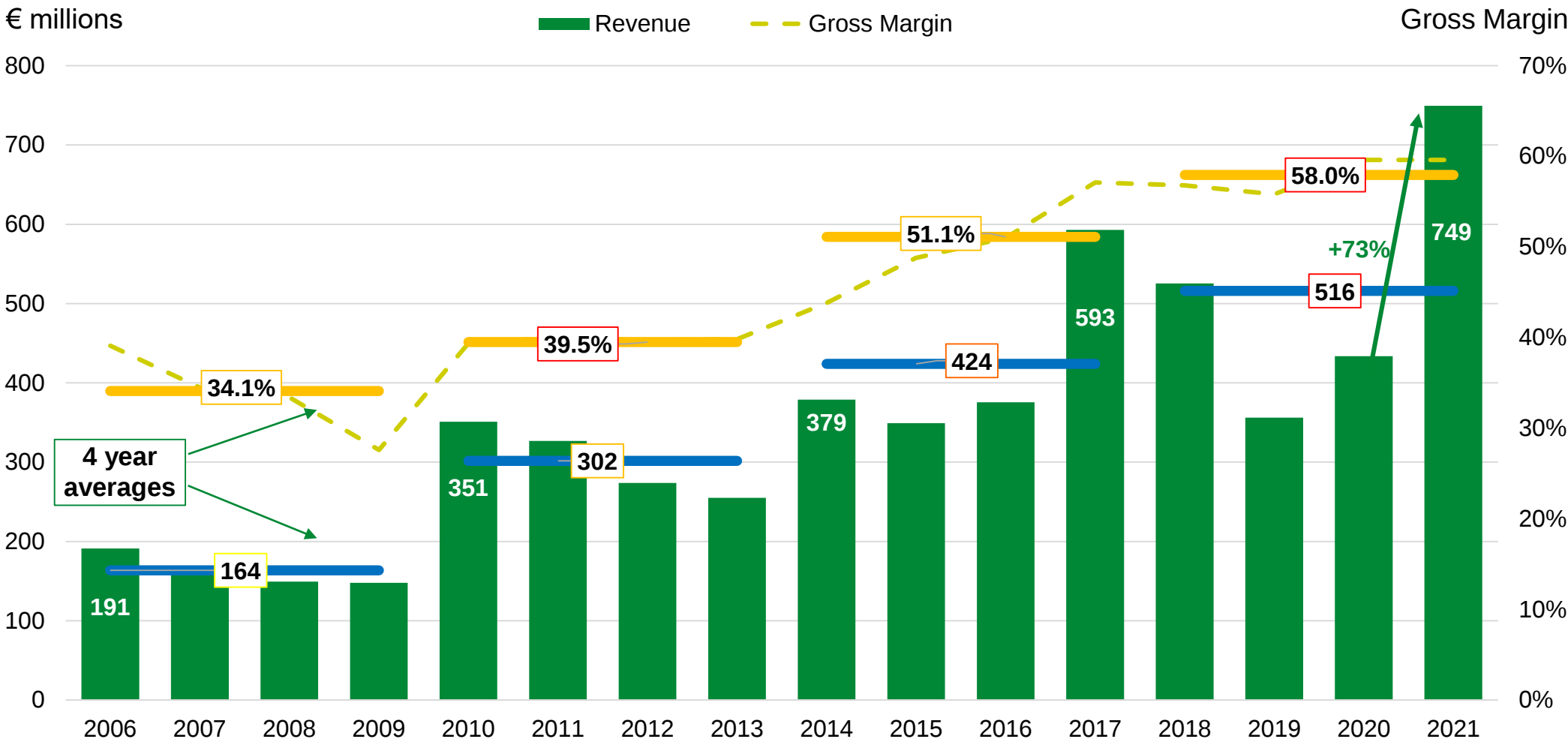
- Revenue and orders grew 72.8% and 98.9% vs. 2020
 - Across all end-user markets and geographies
 - Renewed mobile spending for 5G rollout
 - Order strength in computing and automotive H2-21
 - Accelerating hybrid bonding orders

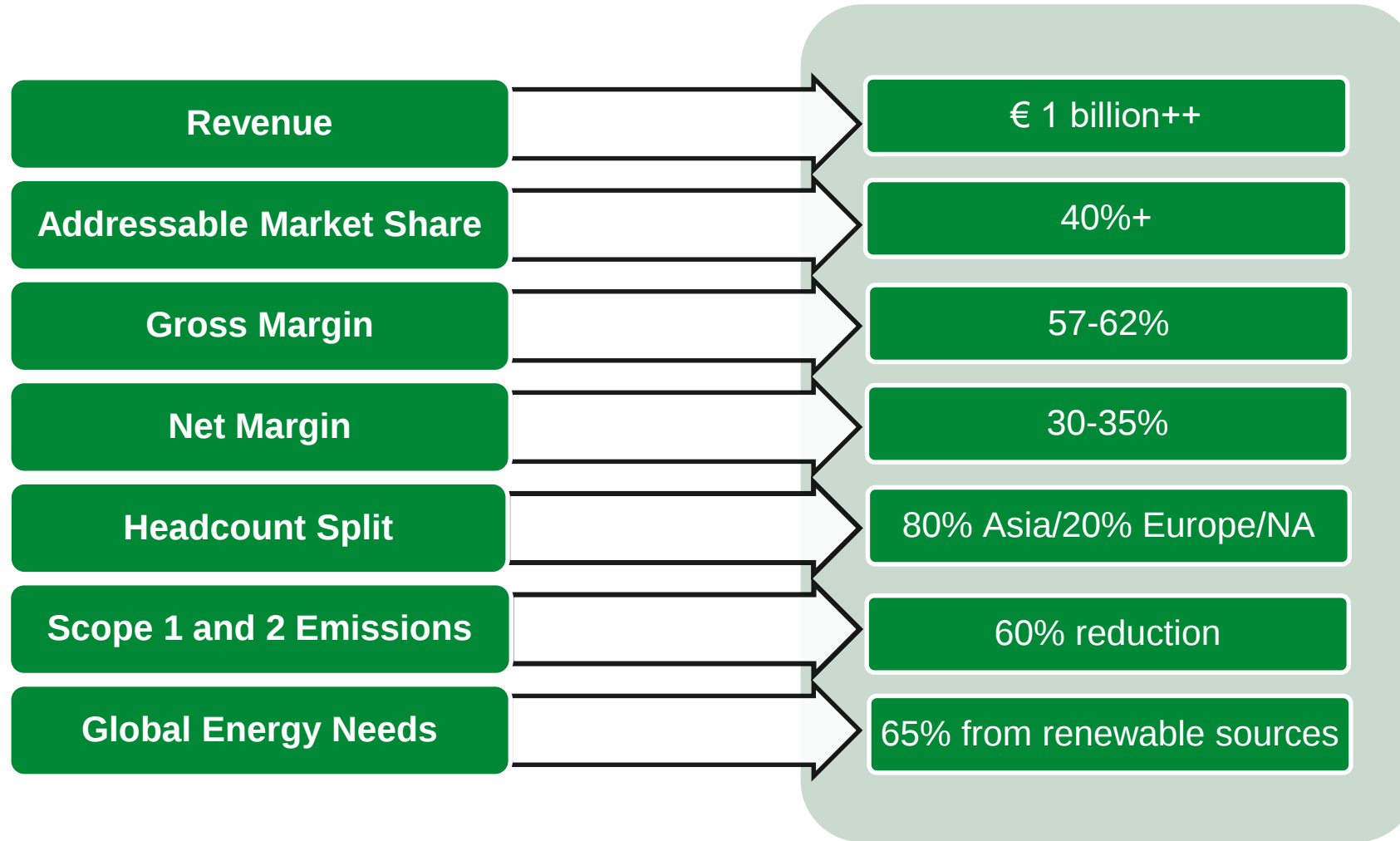
Strong margins and profitability

- Peer leading gross margins due to strong market position and flexible Asian production/workforce
- Cost control efforts lead to significant operating leverage
 - Opex margins declined to 17.2% vs. 25.1% in 2020
- Net income of € 282.4 million up 113.5% vs. 2020
 - Net margins grew to 37.7%

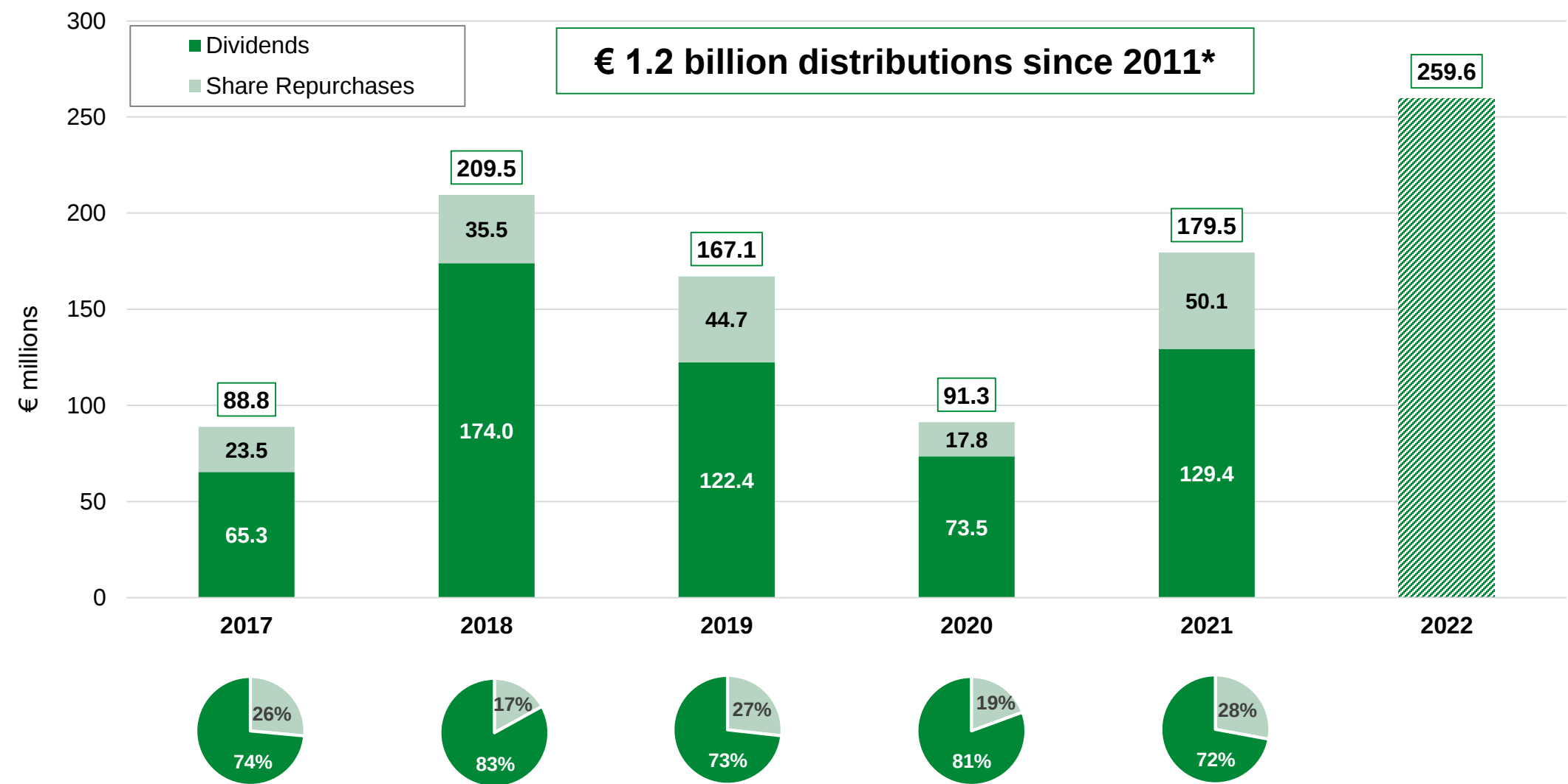
Strong cash generation supports shareholder friendly capital allocation policy

Through Cycle Revenue and Gross Margin Trends





Capital Allocation Trends



* Includes proposed 2021 dividend of € 3.33 per share for approval at April 29, 2022 AGM.



II. MARKET

What Drives Besi's Business?

Macro GDP
trends

Selection of
IDM and supply
chain partners

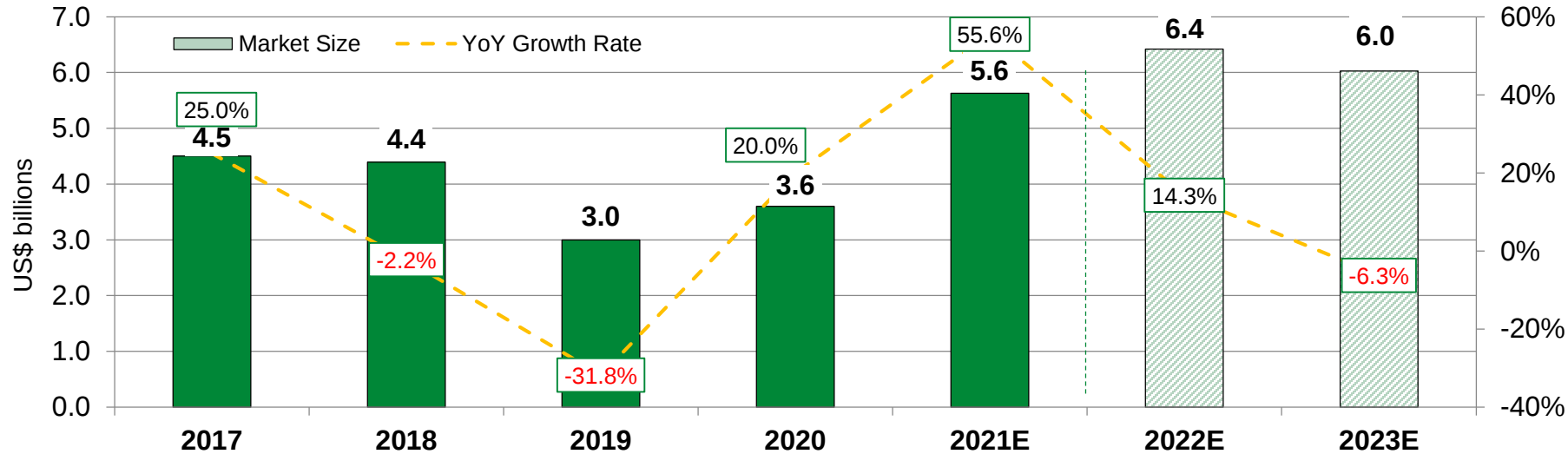
Timing of
customer
roadmaps

Meeting
demanding
technical specs

Performance in
24/7 production
environments

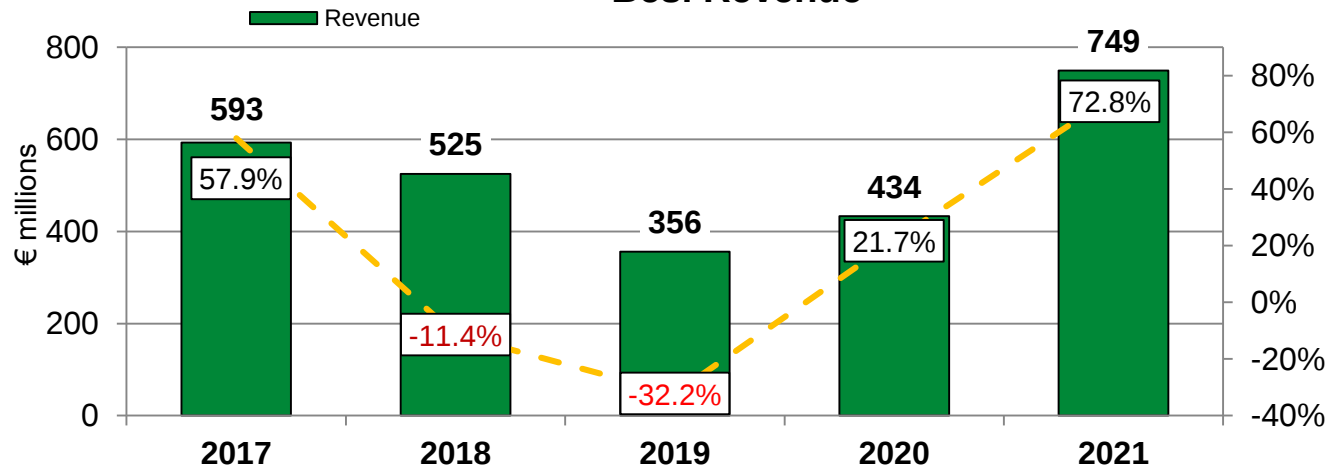
Competitive
cycle times and
scalability

Assembly Equipment Forecast Upgraded vs. December 2021



Source: VLSI, February 2022. Assembly equipment revenue excludes hybrid bonding contribution and service revenue.

Besii Revenue



+55.6% growth now estimated for 2021

- Besii appears to gain market share

VLSI expects market to reach \$ 6.4 billion in 2022 (+14.3%)

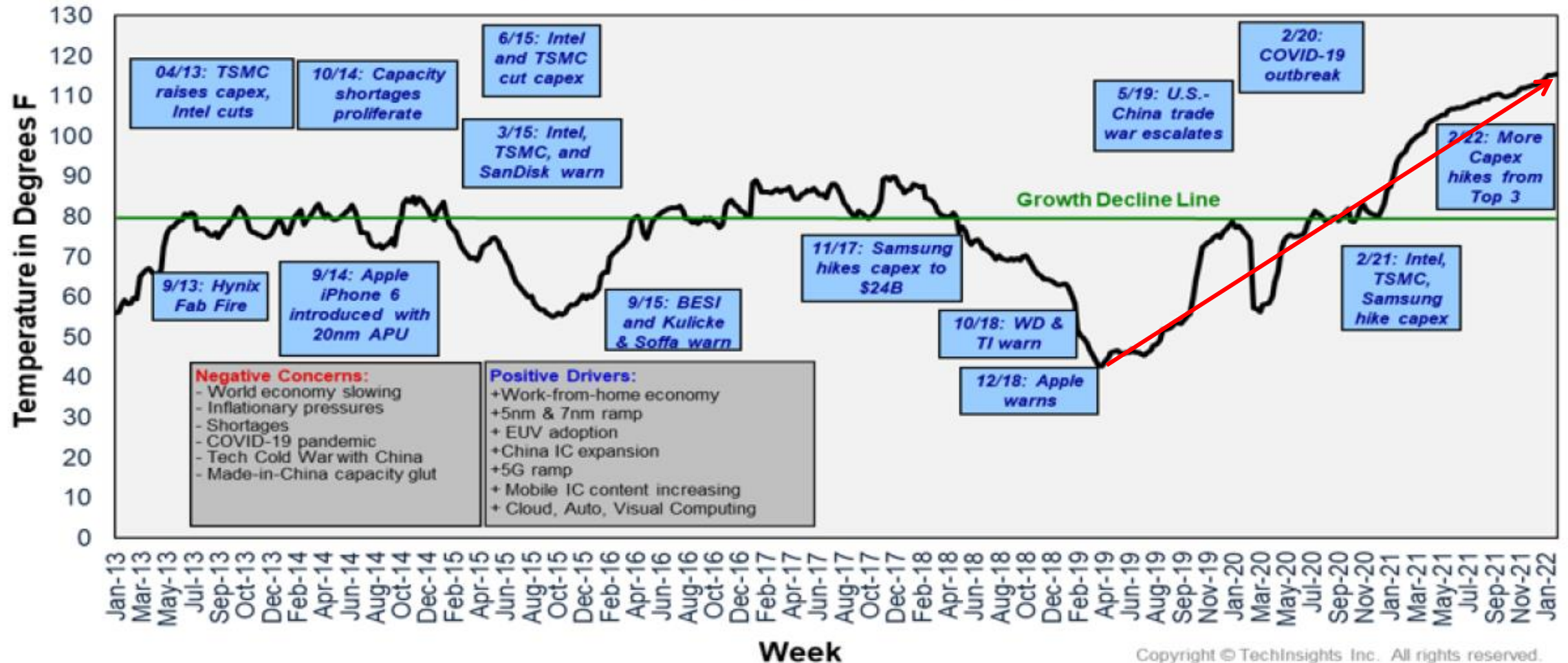
- Excluding hybrid bonding and spares/service revenue

Strong secular market fundamentals:

- 5G, Datacenter, AI and HPC primary drivers
- Investment in new process technologies: hybrid bonding/CSP

Industry Upturn Continues in 2022

TECHINSIGHTS' GLOBAL CHIP MAKING CLIMATE TREND INDEX
(Average of Regional Order Activity Patterns in Chip Equipment)



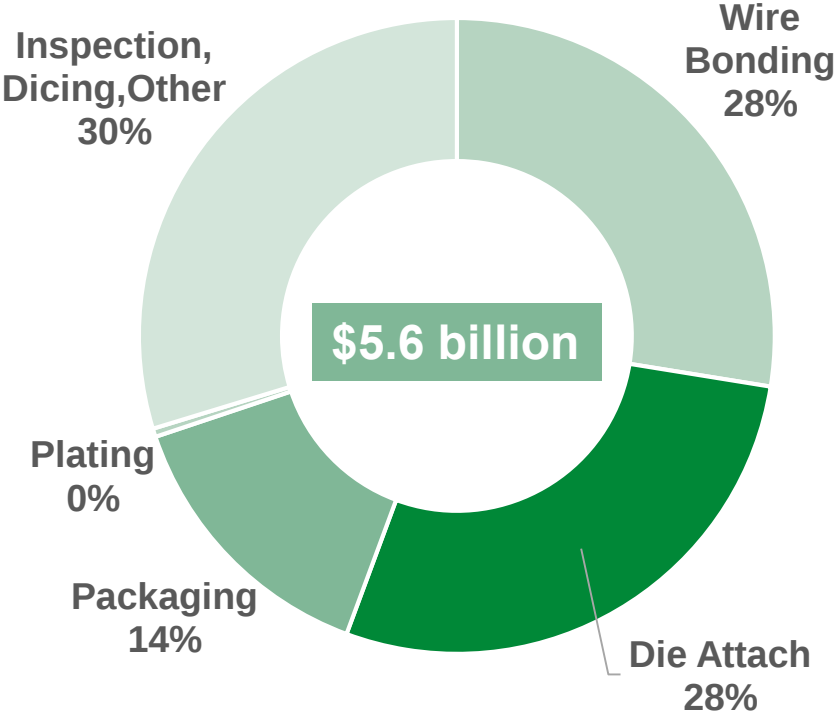
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Source: VLSI, February 2022

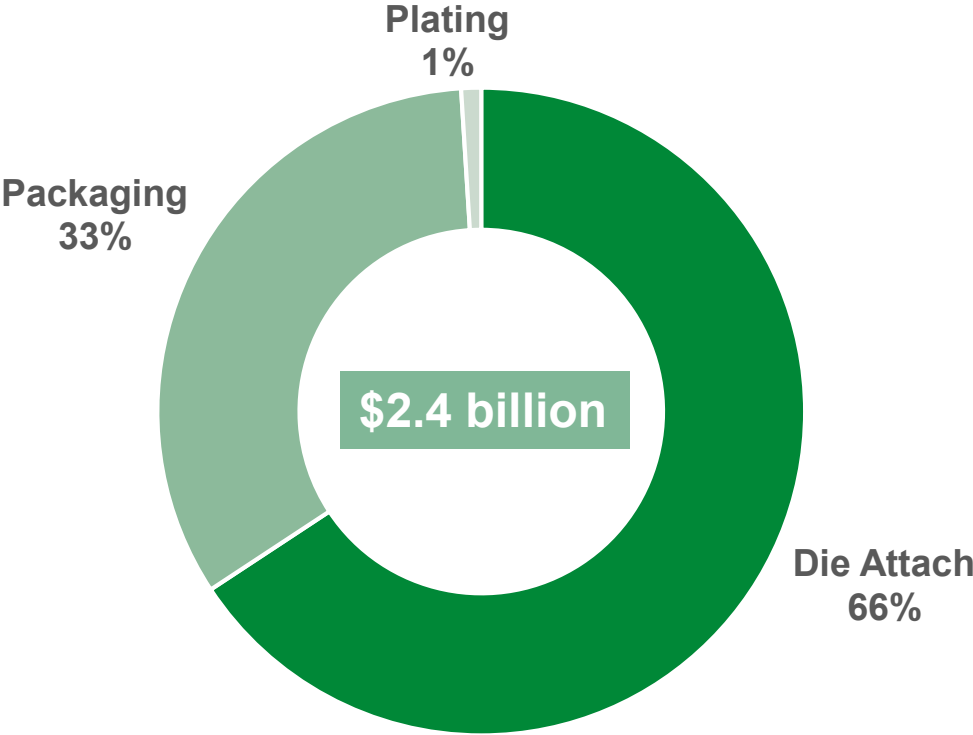
Assembly Equipment Market Composition



Assembly Equipment Market (2021)

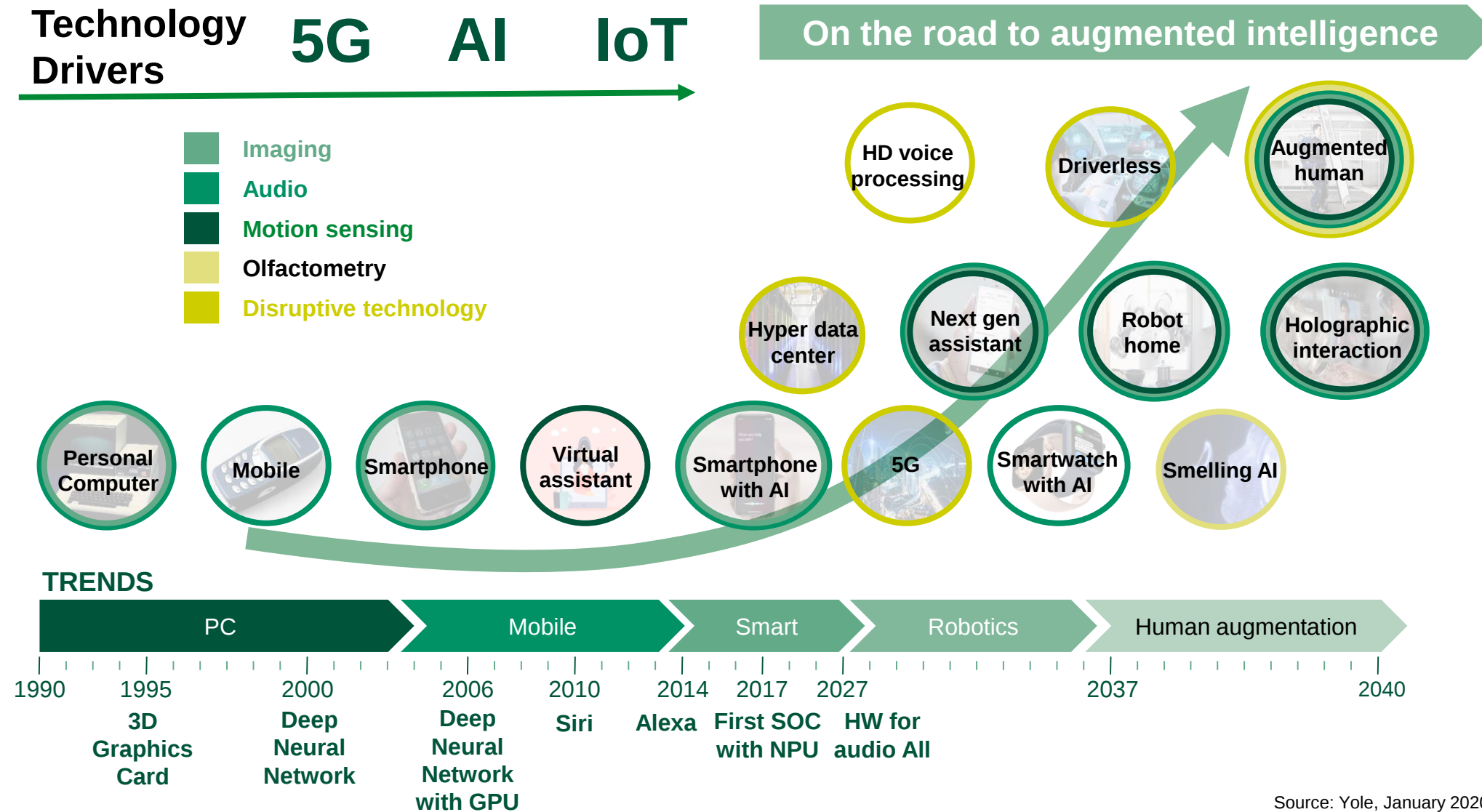


Besi Addressable Market (2021)



Source: VLSI, February 2022

Digital Society Drives Greater Computing and Data Needs



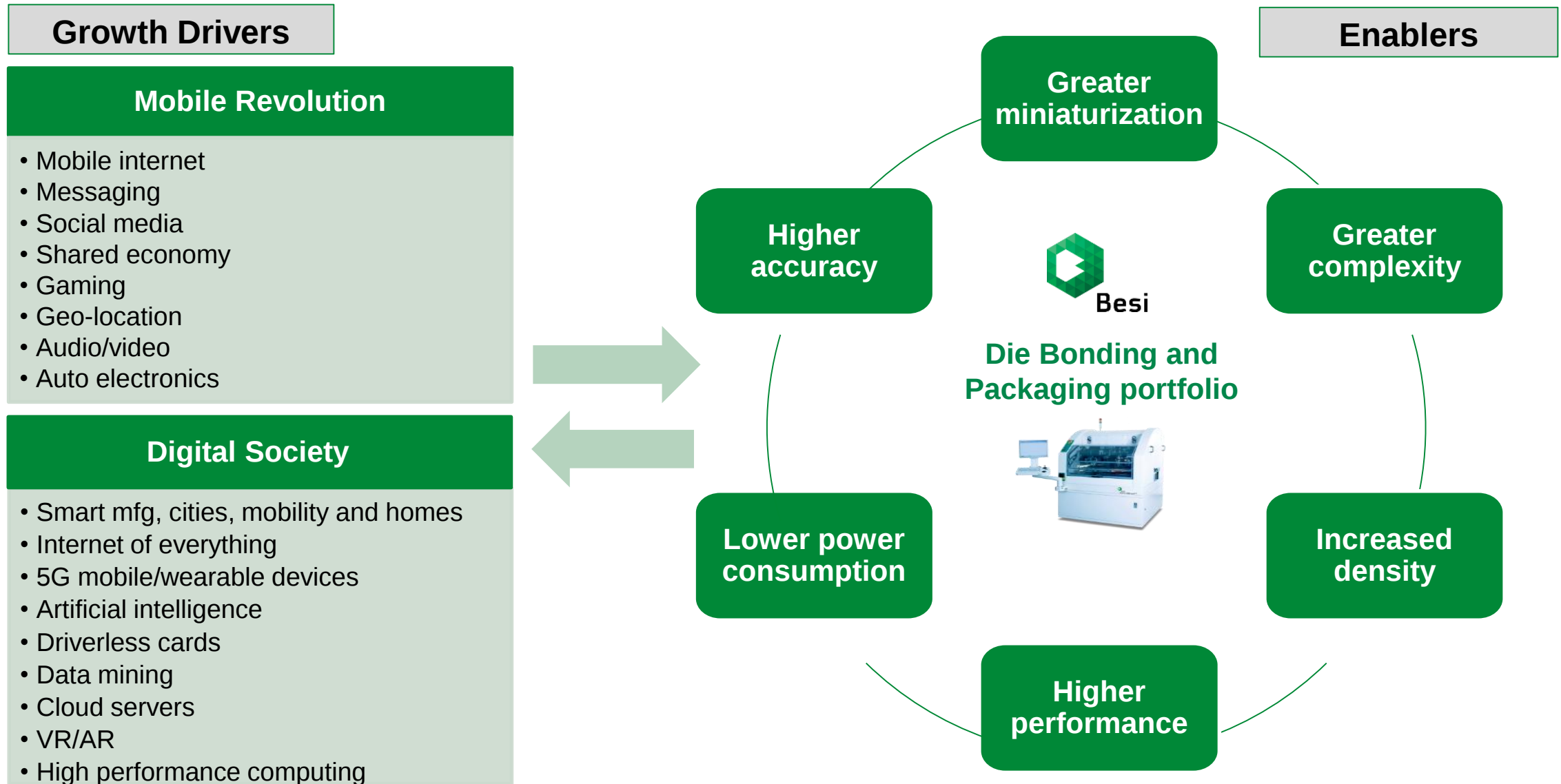
Source: Yole, January 2020

Semiconductor Demand Growing as Everything Gets Smarter

Semiconductor Content/Unit	2015	2020	2025E	Δ'20-'25E
High End Smartphone	\$100	\$170	\$275	+61.7%
Automotive (Global Average)	\$310	\$460	\$690	+50.0%
Datacenter Server (CPU + Accelerator)	\$1,620	\$2,810	\$5,600	+99.3%
Smartphone (Global Average)	\$2	\$4	\$9	+125.0%

Source: Applied Materials, September 2021

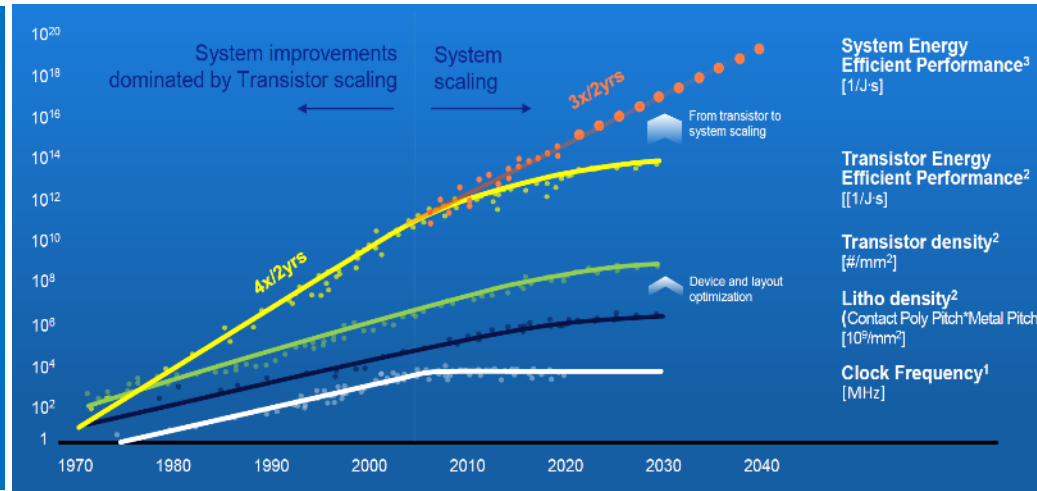
Advanced Packaging Critical to Next Generation Applications



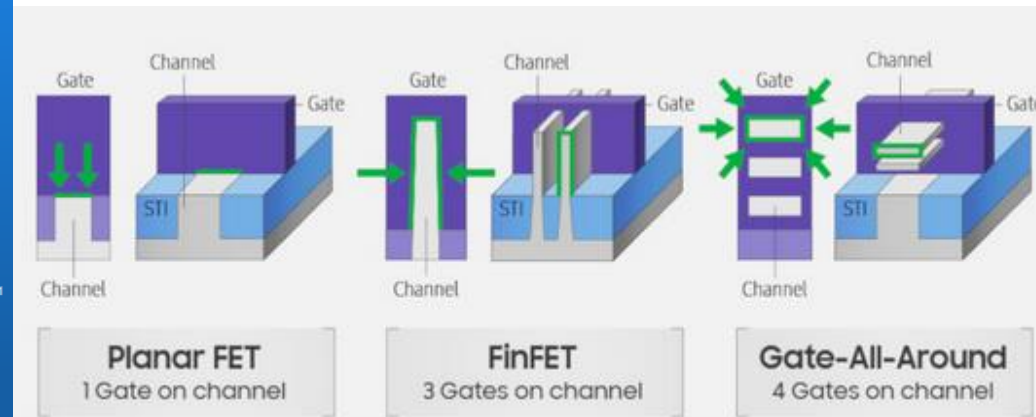
Requiring Increased Density, Higher Accuracy and Smaller Form Factors for Next Generation Devices

Front-End Wafer Fab

- Transistor scaling
- Lithography
- New 3D structures



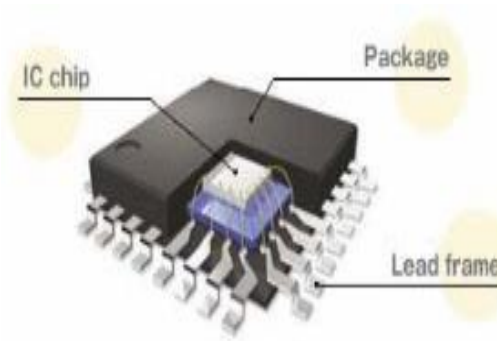
Source: ASML 2021



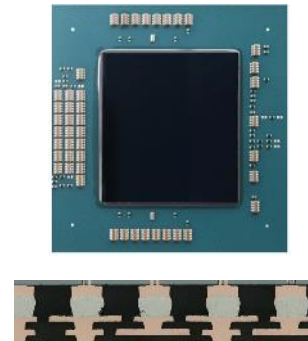
Source: Samsung

Back-End Assembly

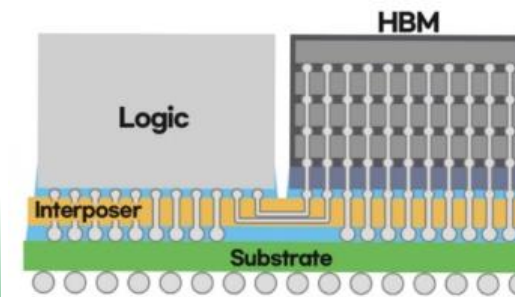
- More contacts
- Smaller pitches
- Thinner, denser & more complex packages
- Stacked 3D structures
- WLP/FOWLP packages



From simple wire bond

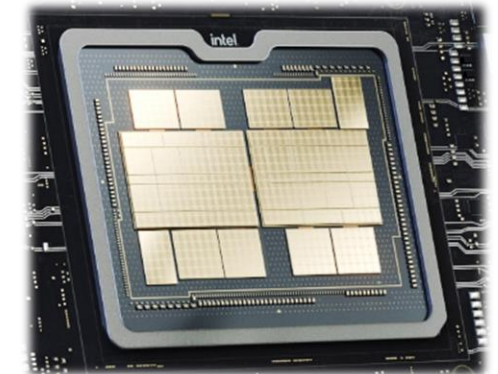


To flip chip and SiP



Source: Samsung

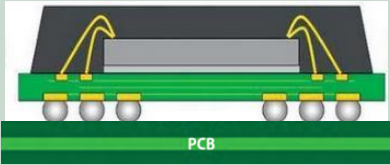
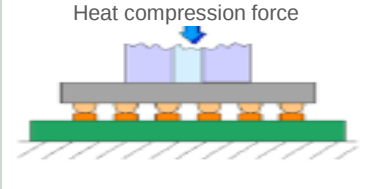
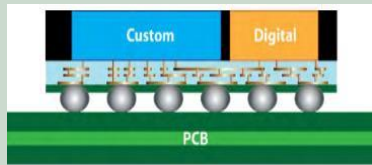
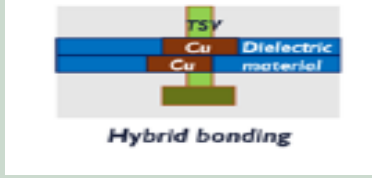
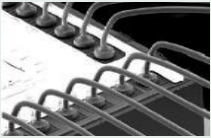
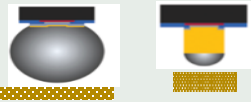
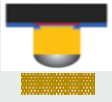
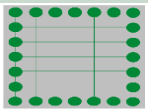
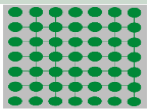
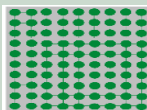
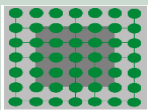
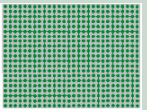
To complex 3D structures with TSVs, microbumps and thin dies



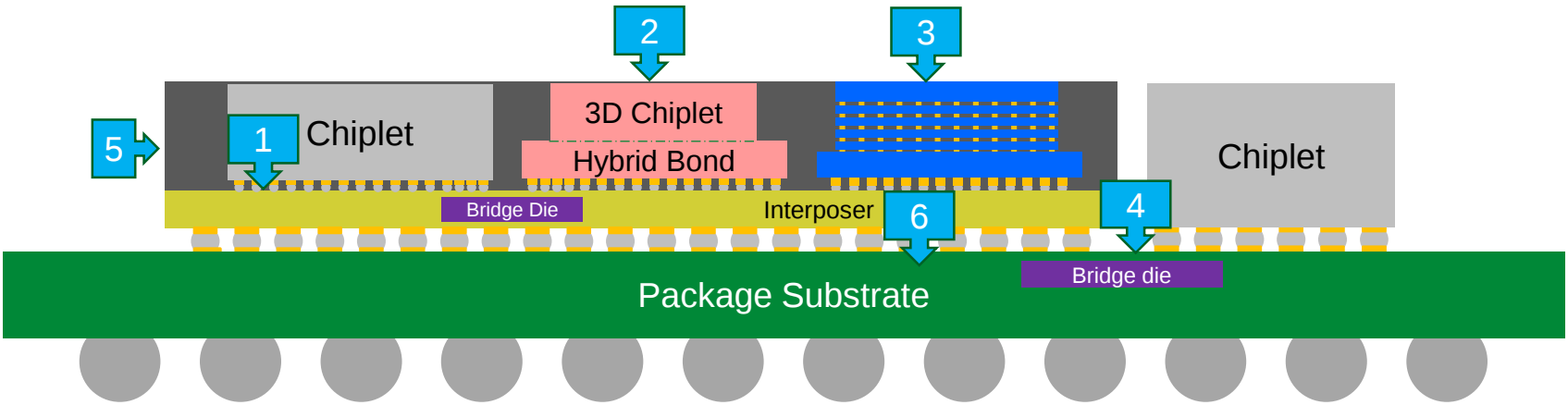
Source: Intel

To chiplet systems enabled by Hybrid Bonding

Moore's Law Helps Drive Growth of Wafer Level Assembly

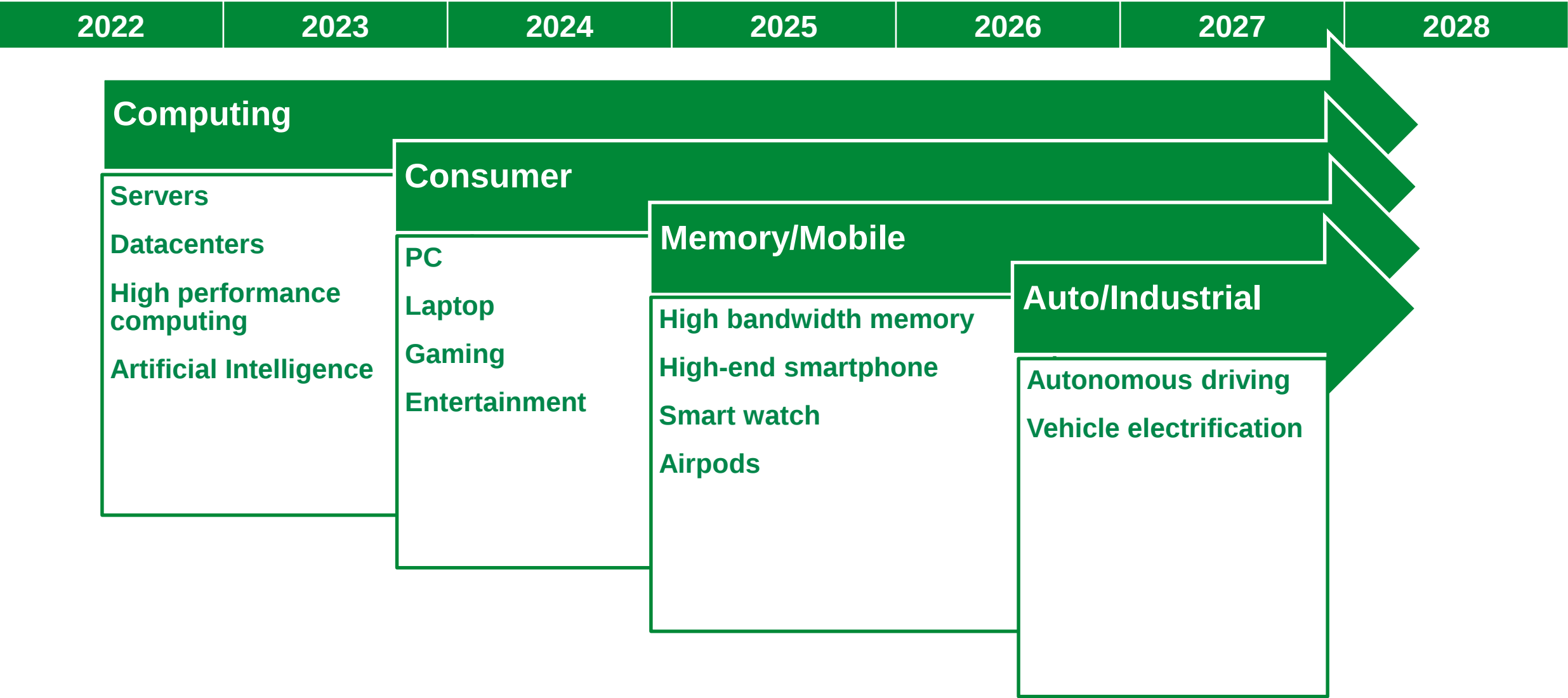
	Wire Bond (1975)	Flip Chip (1995)	TCB Bonding (2012)	HD Fan Out (2015)	Hybrid Bonding (2018)
Architecture					
Contact Type	 Wire	 Solder ball or copper pillar	 Copper pillar	 RDL or copper pillar	 Copper to copper
Contact Density	 5-10/mm ²	 25-400/mm ²	 156-625/mm ²	 500+/mm ²	 10K-1MM/mm ²
Substrate	Organic/leadframe	Organic/leadframe	Organic /Silicon	None	None
Accuracy	20-10μm	10-5μm	5-1μm	5-1μm	0.5-0.1μm
Energy/Bit	10pJ/bit	0.5pJ/bit	0.1pJ/bit	0.5pJ/bit	<.05pJ/bit

Hybrid Bonding Enables New 3D Structures and Growth of Other Wafer Level Assembly Processes



1 Chip to Wafer TCB	2 Hybrid Bonding	3 High Bandwidth Memory Stacking	4 Embedded Bridge Die Attach	5 Wafer Level Die Molding	6 HD Interposer to Substrate
TC Next C2W	8800 Chameo Ultra Plus	8800 TC Advanced 8800 Chameo Ultra+	8800 Chameo Ultra	FML	2200 evo

Estimated Timetable for Hybrid Bonding Applications



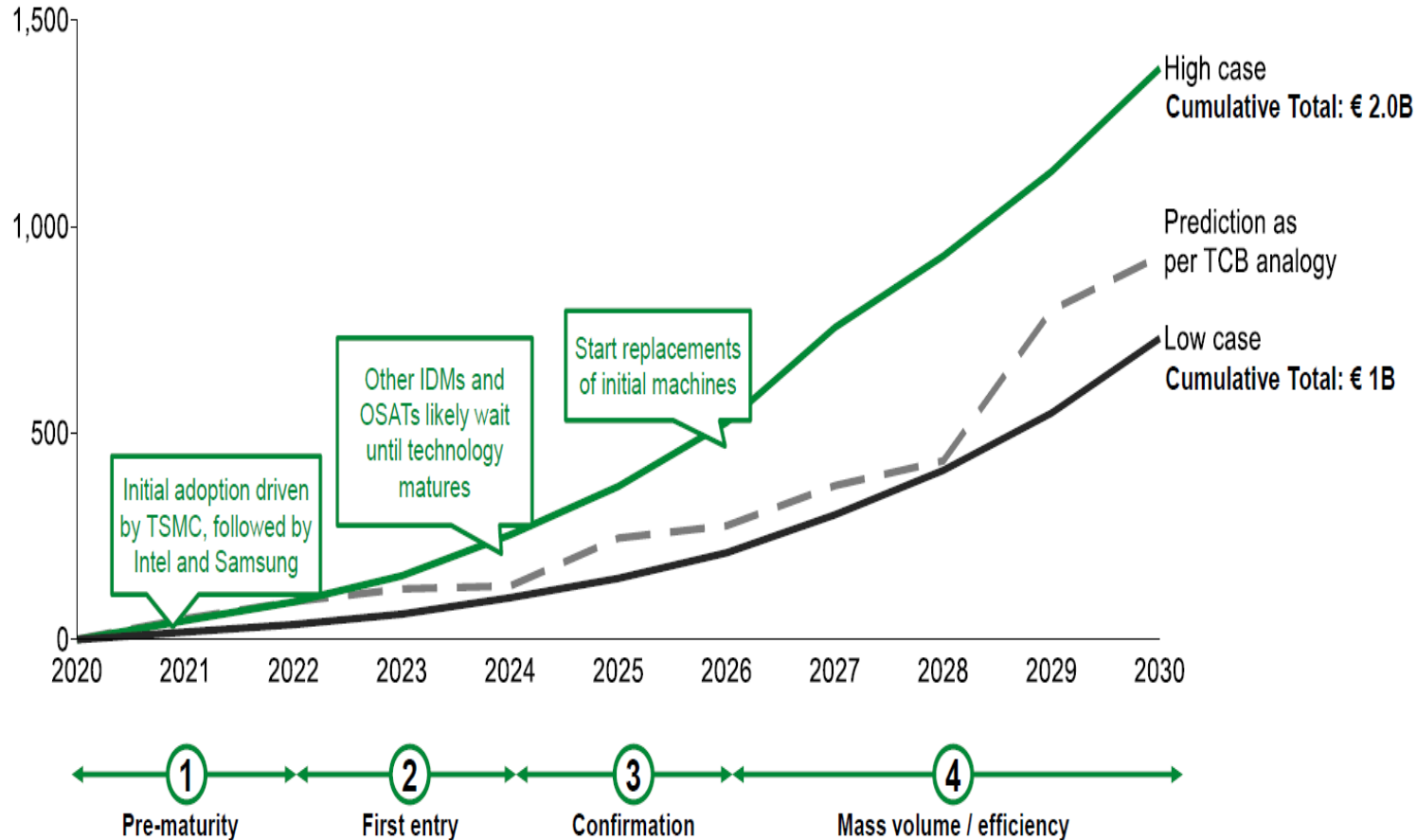
Hybrid Die Bonding Market Update

HYBRID BONDING

EQUIPMENT MARKET

June 2020 estimate

Total # of installed back-end machines for hybrid bonding



Source: Besi estimates

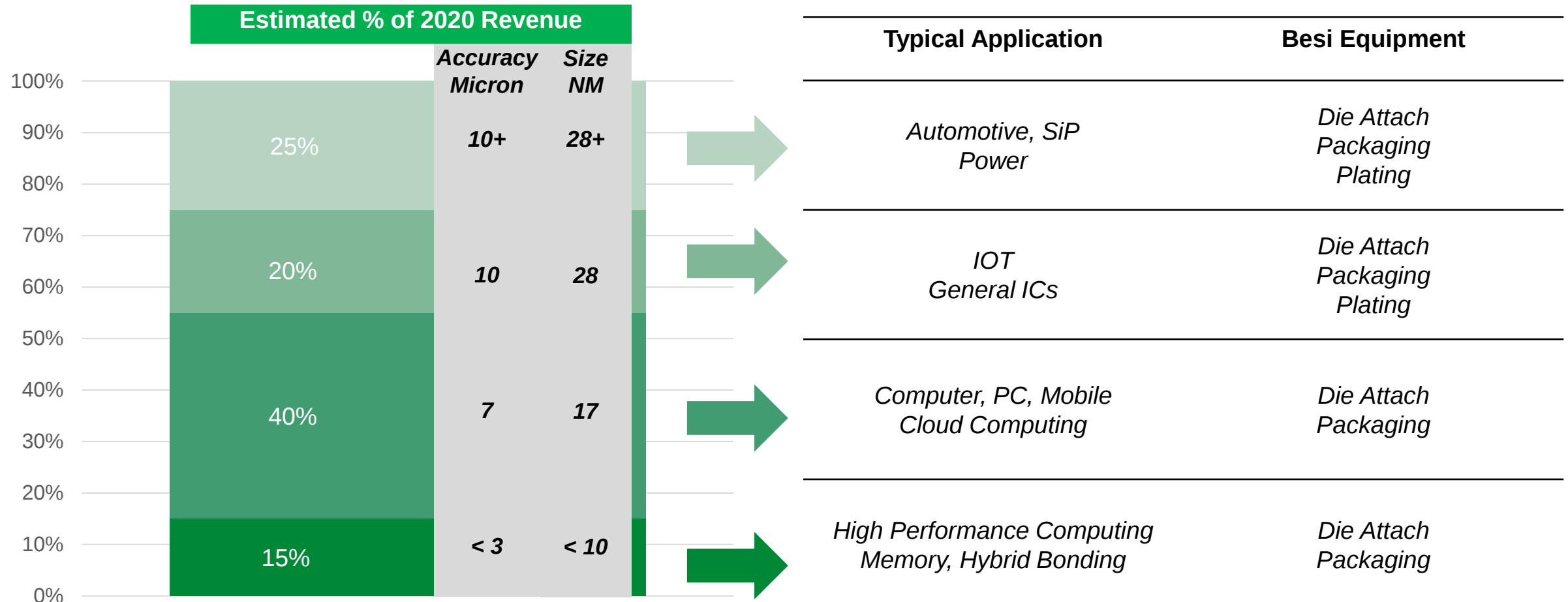
Market tracking towards high case developed in June 2020

- High level of customer engagement
- Interest expressed by both logic and memory players
- AMD recently announced first hybrid bonded 3D chiplet-based processor
- Collaboration with Applied Materials enhances market position
- 2020 estimate confirmed with potential upside

Forecast highly dependent on timing of:

- Successful design and development per IDM
- Customer roadmaps
- Performance in mass production environment

Besi Portfolio Well Positioned by Node Size and Accuracy



- **75% of Besi equipment revenue advanced packaging as per VLSI definition**
- 55% equipment revenue is < 7 micron accuracy and < 17 nanometer node size
- Most rapidly growing market segment

Besi Addressable Market Share Increasing, Particularly in Die Attach

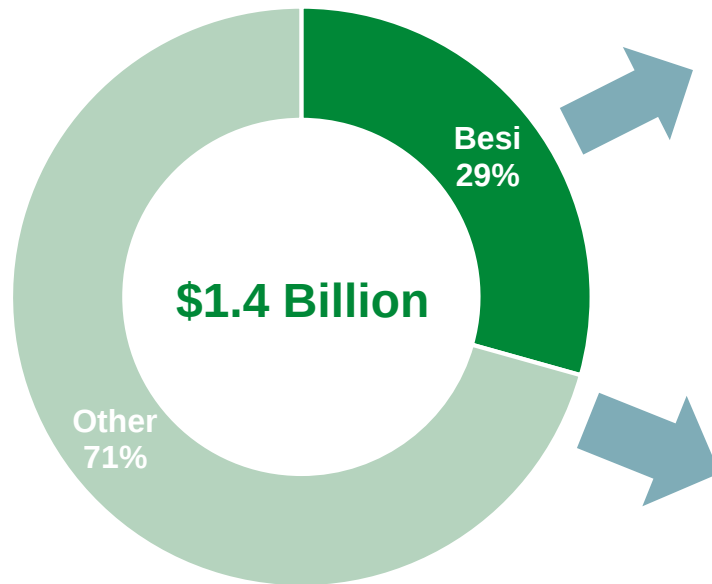


	2016	2017	2018	2019	2020		Δ '20/'19	Δ '20/'16
Assembly Market (\$MM)	3,587	4,503	4,391	2,998	3,603		+20.1%	+0.4%
Besi Market Share	9.9%	13.1%%	11.6%	10.8%	11.4%		+0.6pts	+1.5pts
Addressable Market (\$MM)	1,507	1,942	1,850	1,247	1,399		+12.2%	-7.2%
Besi Market Share	23.7%	30.3%	27.5%	25.9%	29.3%		+3.4pts	+5.6pts
Die Attach	30.4%	38.2%	33.2%	30.8%	36.8%		+6.0pts	+6.4pts
Packaging & Plating	13.6%	14.8%	17.3%	17.0%	15.4%		-1.6pts	+1.8pts
% of Besi Revenue	2016	2017	2018	2019	2020		Δ 1yr	Δ 4yr
Die Attach	75%	82%	76%	76%	82%		+6pts	+7pts
Packaging & Plating	25%	18%	24%	24%	18%		-6pts	-7pts

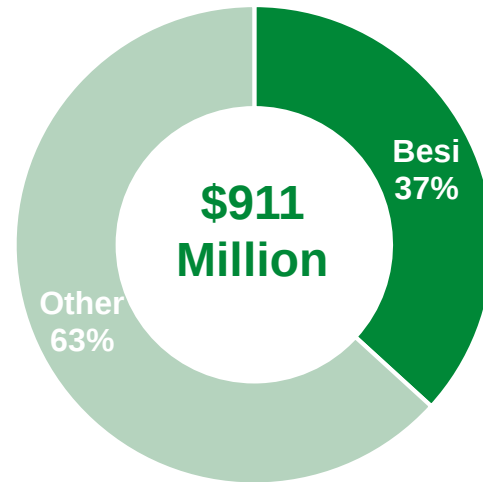
Source: VLSI, June 2021

Leader in Addressable Market, Die Attach Market and Advanced Die Placement

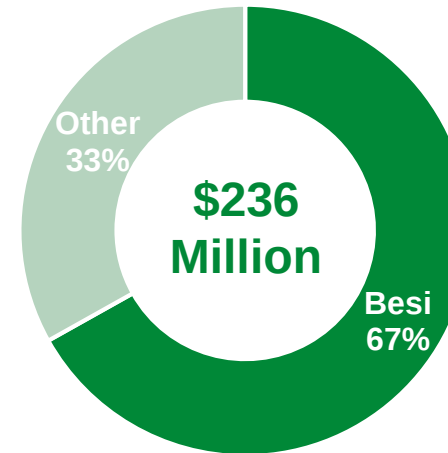
2020 Addressable Market*



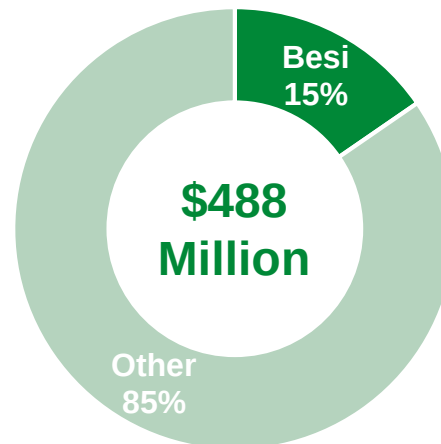
Die Attach
(82% of Revenue)



Advanced
Die Placement**



Packaging & Plating
(18% of Revenue)

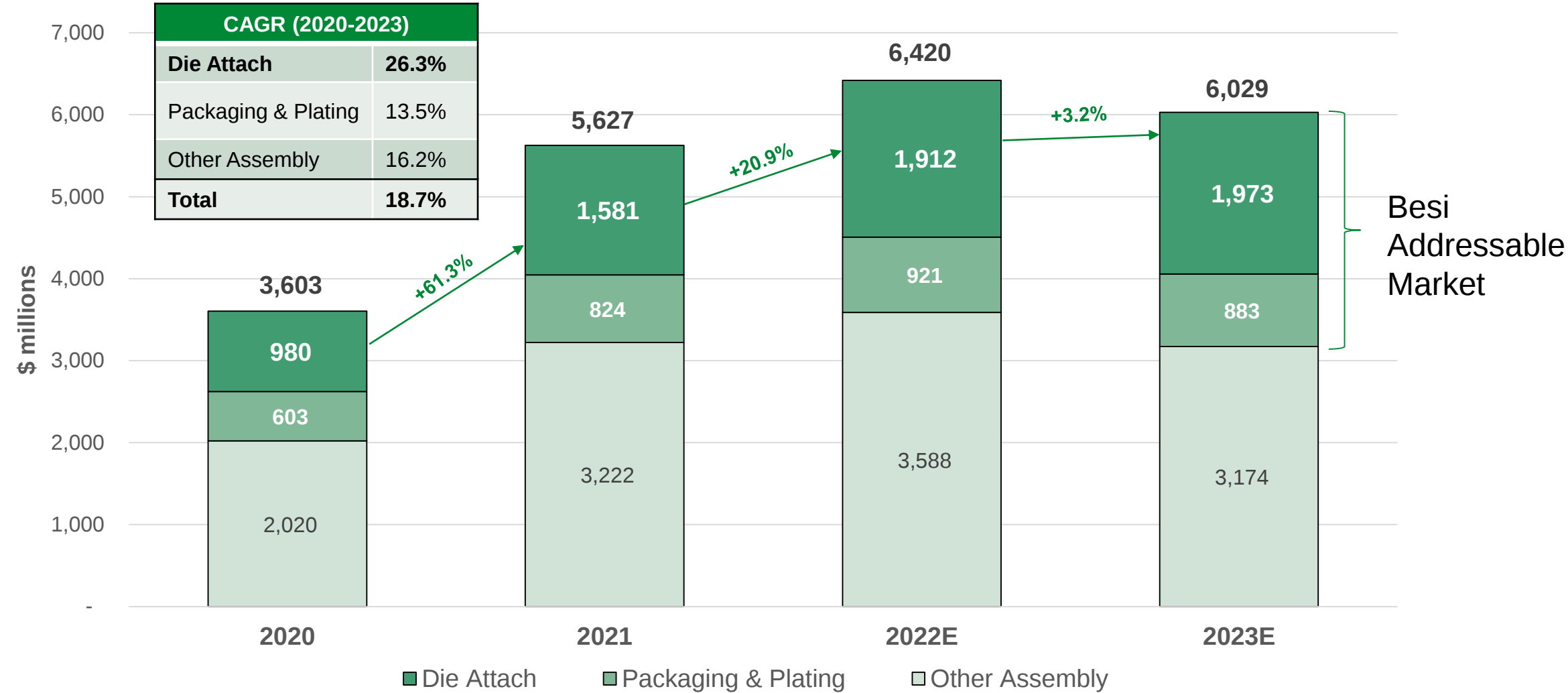


Source: VLSI, June 2021. Equipment only.

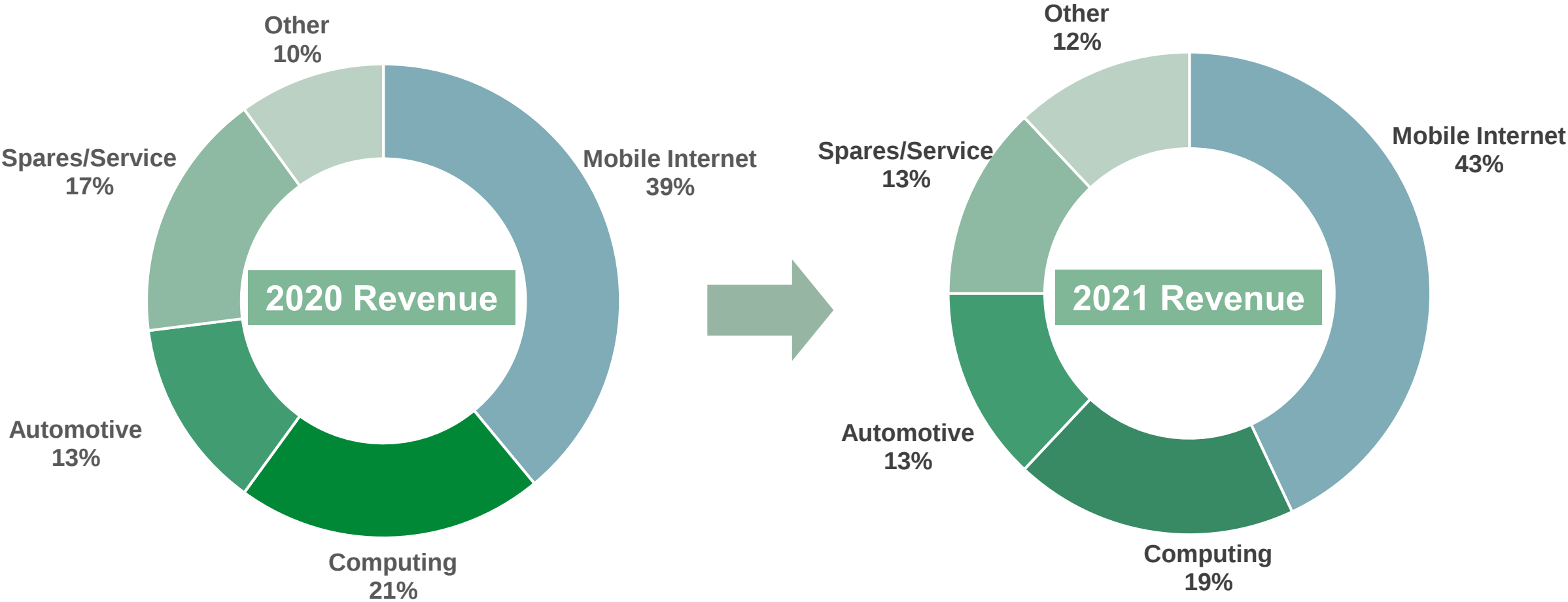
* Excludes wire bonding, dicing, and other.

** Advanced die placement defined as < 7 micron accuracy per VLSI.

Growth Expected to Favor Besi's Product Portfolio, Particularly Die Attach



Source: VLSI, January 2022. Addressable market revenue excludes hybrid bonding contribution.



Source: Company estimates

Mobile: Besi's Largest End-User Market



RF Front End
Antennas
GPS

RF
Tranceiver
Modem

Local
Connectivity
WiFi/NFC

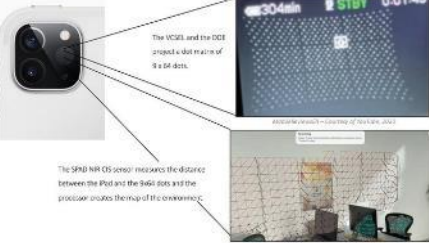
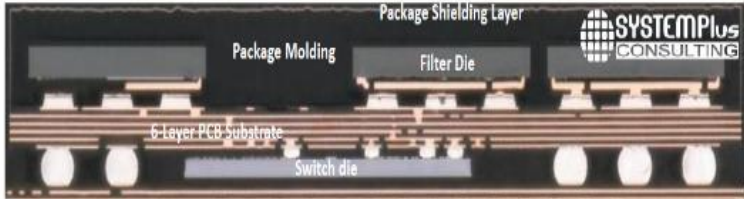
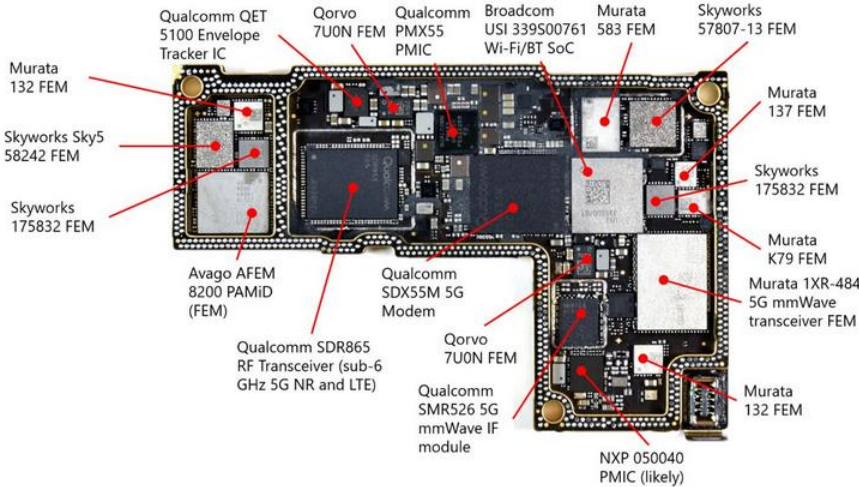
Microphone
Cameras
Sensors

Display
TouchScreen

Power
Battery

Memory

Application
Processor



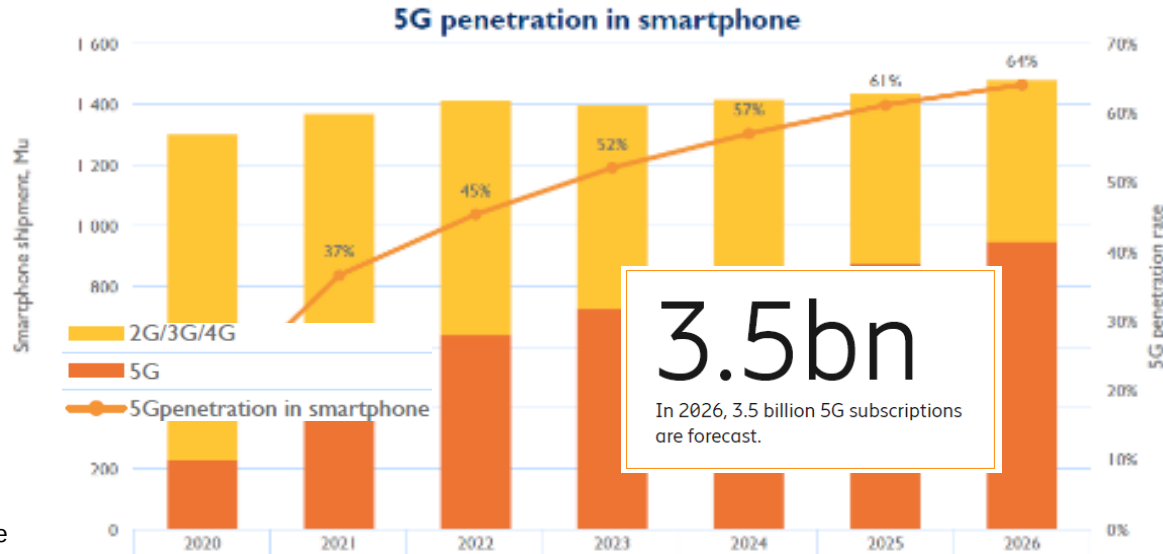
Besi Involved in Almost All Components

Main Components	Besi system Utilized
Processor	8800CHM, MMS-LM
DRAM Memory	2100sD, FSL
NAND Flash	2100sD, AMS-W/LM/FCQ8800
PM IC	2100sD, AMS-W/LM
Motion coprocessor	2100sD, AMS-W/LM
Gyroscope	2100xP, 2100sD, AMS-W/LM, FCL
3-ax accelerometer	2200evo
barometric sensor	2200evo
Charging IC	2100xP, 2100sD, AMS-W/LM, FCL
Power Delivery IC	21000xP
Wireless charging IC	2100xP, 2100sD, AMS-W/LM
Communications	Besi system Utilized
Wifi/Bluetooth module	AMS-W/LM / 2100HSi
NFC	8800FCQ, AMS-W/LM, 2009SSI
LTE Modem	8800FCQ, AMS-W/LM
Low Band LTE PAD	2200evo, FSL
Mid Band PAD	2200evo, FSL
High Band PAD	2100xP, 2100sD, AMS-W/LM
RF Transceiver	2100xP, 2100sD, AMS-W/LM
RF Receiver	2100xP, 2100sD, AMS-W/LM
Envelop Tracking IC	8800FCQ, AMS-W/LM
Antenna Switch	2100xP, 2100sD
PA	2100xP, 2100sD, AMS-W/LM
PA Module	2200evo, 2100sD
GSM PA module	2200evo, 2100sD
Video/Audio	Besi system Utilized
Cameras Back side	2200evo
Cameras Front Side	2200evo
Face ID	2200evo
Image Sensor	2200evo
Dot Projectors	2200evo
2+4 microphones	2100sD
Audio Codec	2100xP, 2100sD, AMS-W/LM
Touch screen control	2100sD
Touch Transmitter	FCL
OLED PMIC	2100xP

Source: Unitedlex.com and ifixit.com and System plus

Mobile: 5G Adoption Increasing Driven By New Smartphone Applications and Features

Growing 5G Smartphone Penetration



5G Infrastructure Expanding



Number of mobile phones sold per year fairly constant at ~1.7 billion

- of which 80%+ are represented by smart phones

Growth driven by new features and innovation:

- 5G broader spectrum including mm waves
- More and better cameras
- Next generation face recognition
- Bio sensors
- Spacial sensors like Lidar
- Better displays and foldable
- More powerful application processors 5nm and 4nm
- More powerful modems 5nm technology
- Requiring denser packages

Additional growth drivers:

- Device to device
- Smart watches, earbuds etc.
- 5G infrastructure expansion

Growth in new features and functionality requires new/advanced assembly systems

- To achieve higher performance and more compact form factors

Computing Demand Expanding Rapidly

Advanced computing expanding to many commercial applications



AI/Vision/Recognition



Medical



Super Computers



Mobile Phones



Industry 4.0



Autonomous Driving

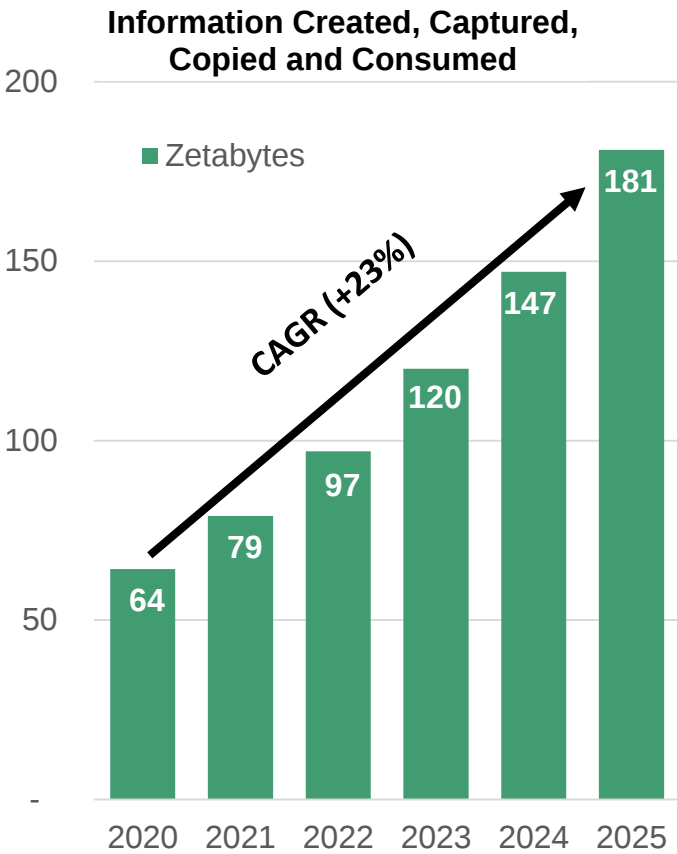


Datacenters



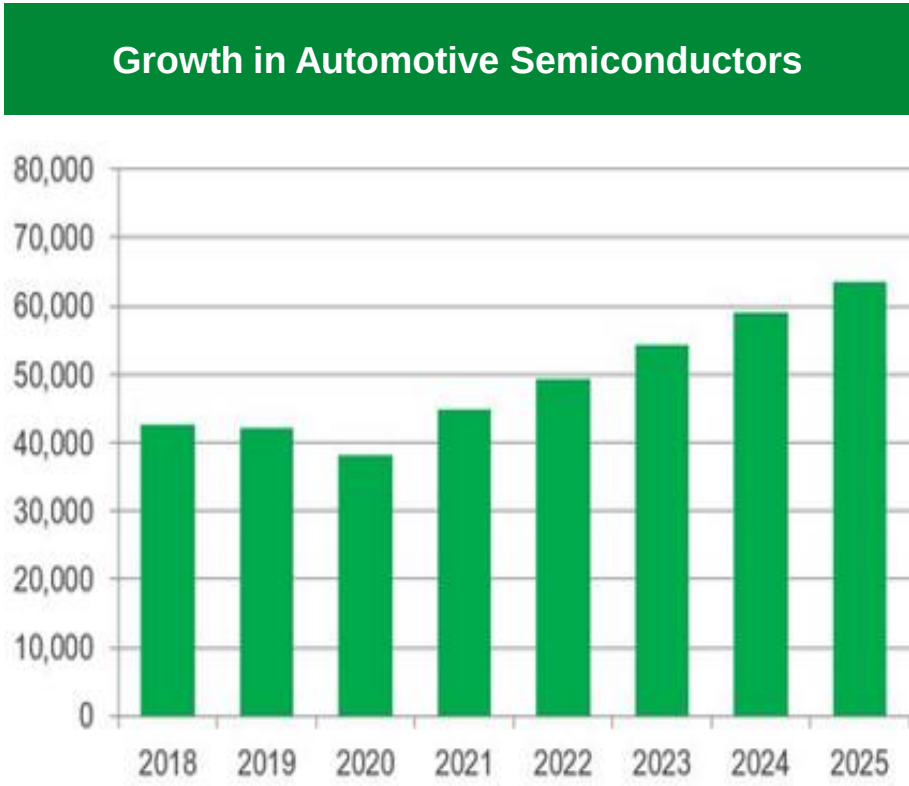
Laptops/Gaming/Engineering

Data volumes growing exponentially

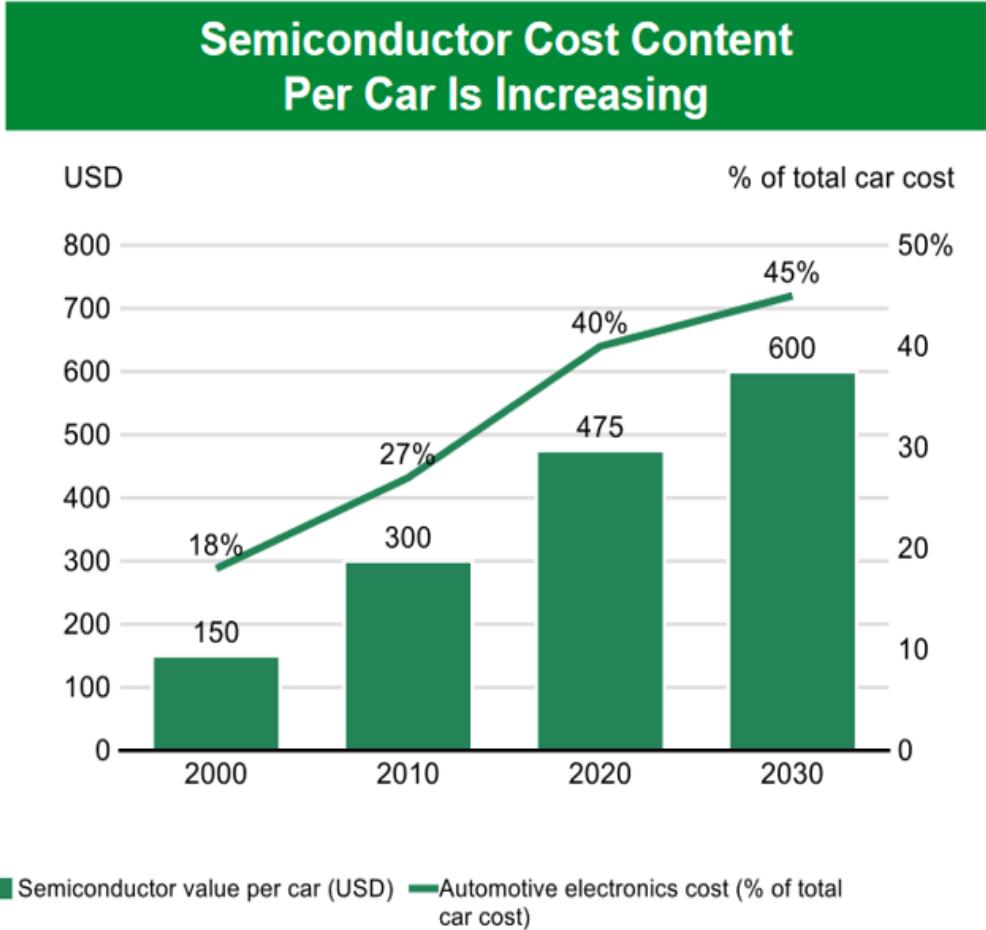


Source: Statista, June 2021

Automotive: Semiconductor Content and Cost per Car Increasing



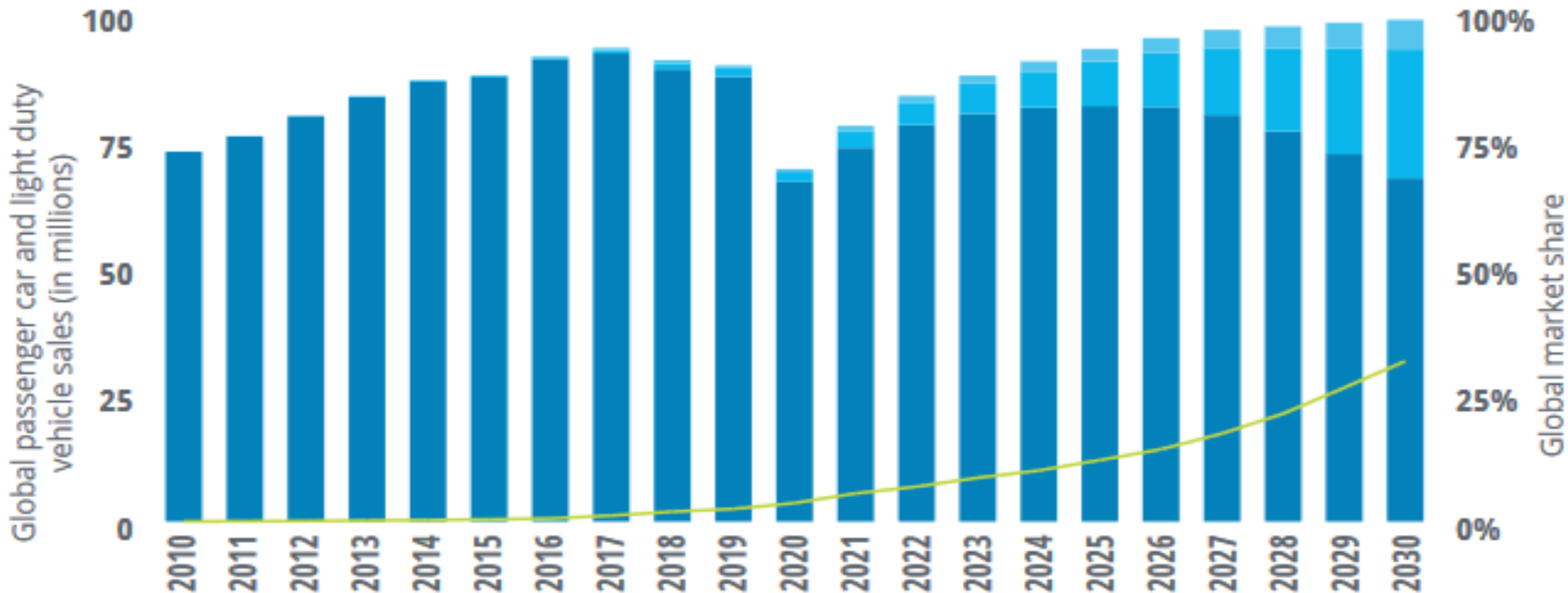
Source: IHS Markit, October 2020



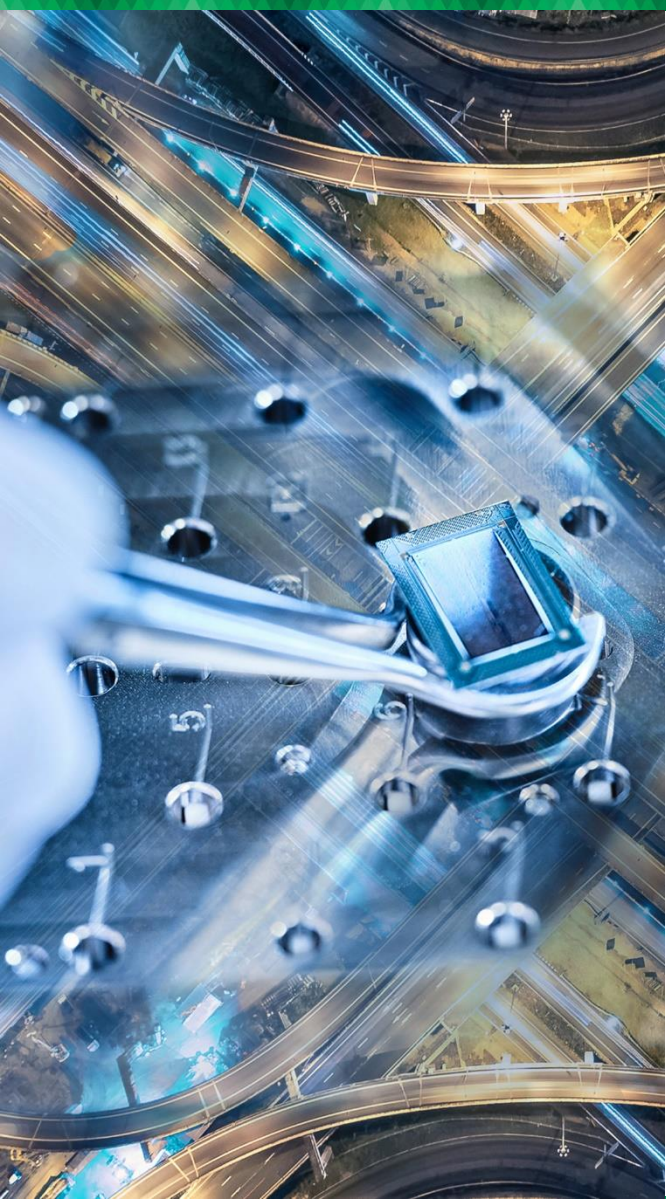
Source: IHS Markit and Deloitte Insights, July 2020

Outlook for annual global passenger-car and light-duty vehicle sales, to 2030

■ Global ICE ■ Global BEV ■ Global PHEV — EV share



Source: Deloitte analysis, IHS Markit, EV-Volumes.com¹⁶



III. STRATEGY



Production

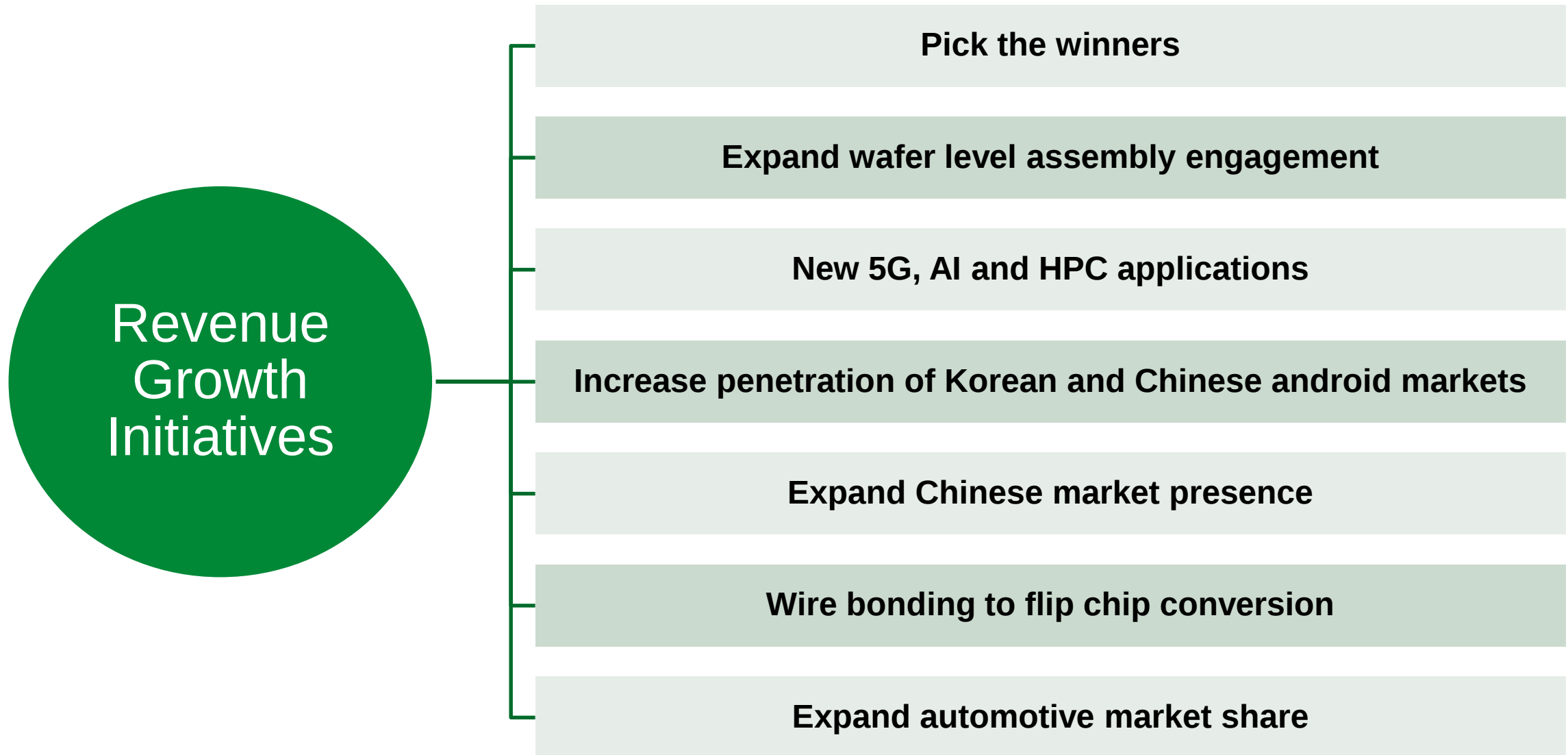
- Supply chain constraints and selected component shortages persist both at Besi and at customer manufacturing sites
 - Impacts H1-22 quarterly delivery schedules
- Began Hybrid Bonding shipments to customer in Q4-21
- Ramping capacity for 2022/2024 demand

Development

- Gross R&D investment +26% in 2021
- Significant investment in wafer level assembly:
 - Hybrid Bonding, TCB Chip to Wafer and Embedded Bridge Die Attach
- Hybrid Bonding cluster tools available in H1-22

Organization

- Refined strategy 2021-2025 to support <10nm and existing portfolio
- ESG reporting expanded to comply with SASB
- Relative reductions in fuel, energy, hazardous waste and water consumption
- Certain 2021 ESG metrics realized ahead of 2022 target



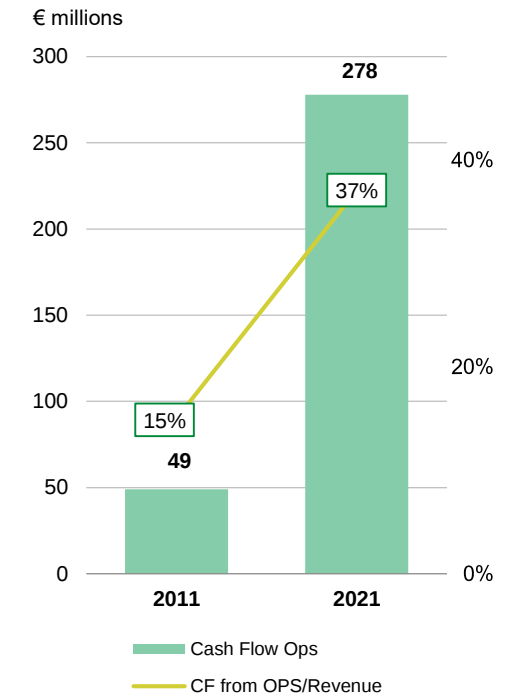
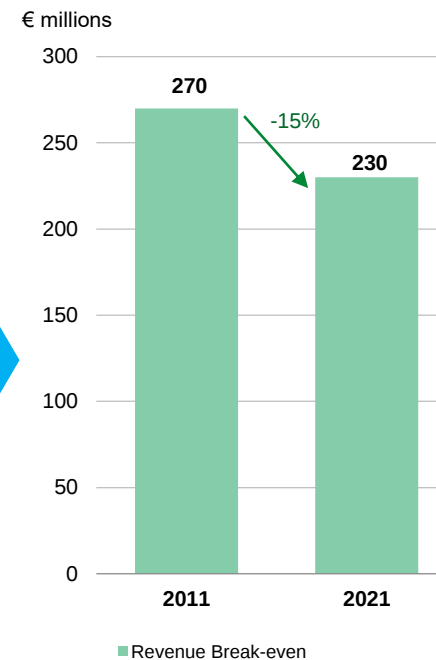
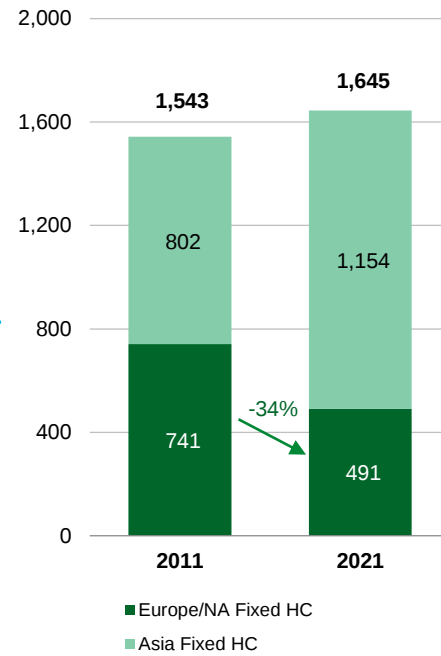
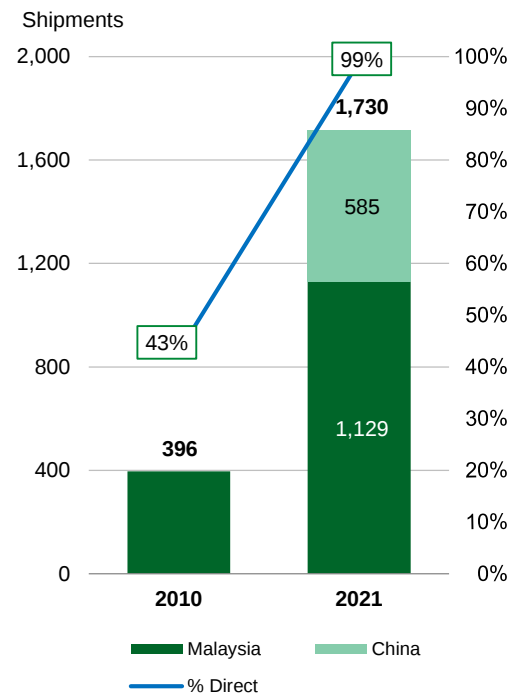
Asian Production Transfer Has Improved Profitability and Cash Flow

Asian Production Has Significantly Expanded

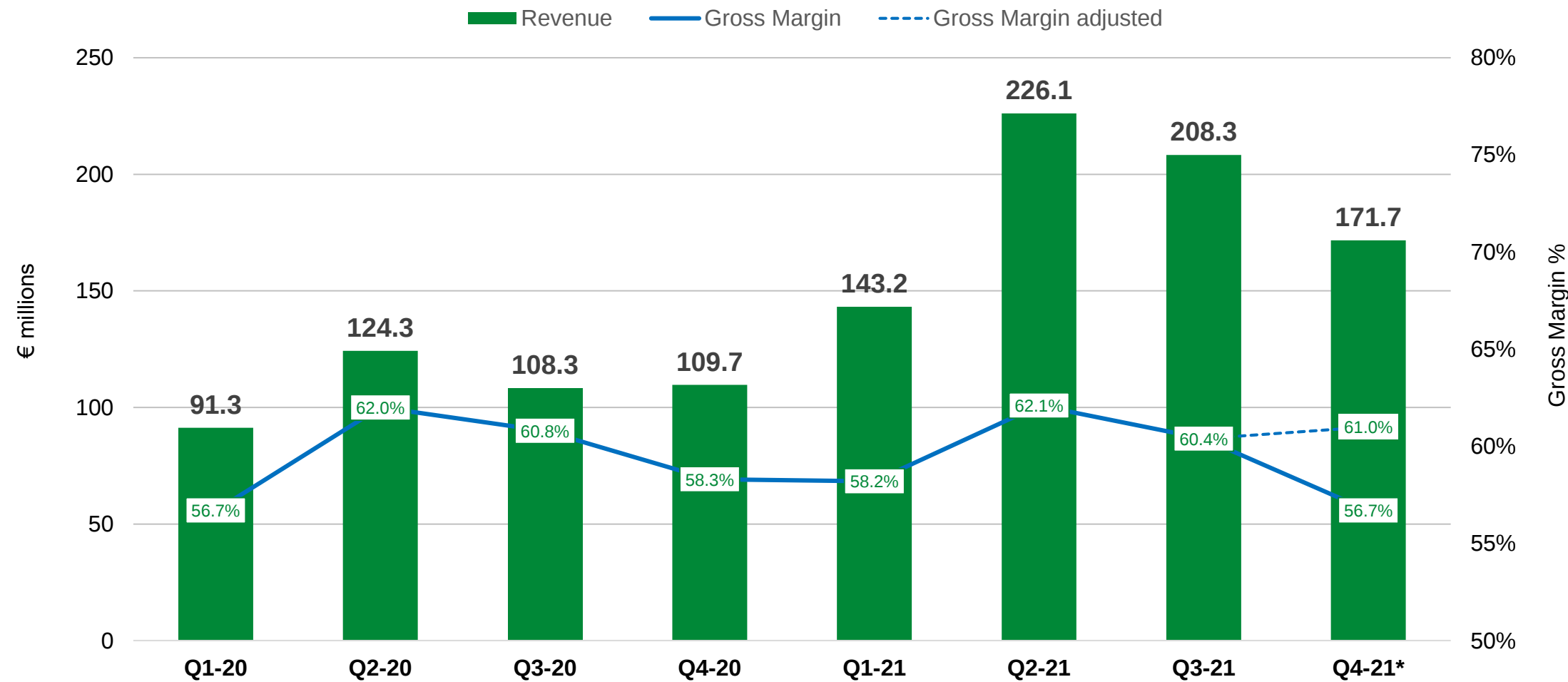
Leading to Lower Fixed European and NA Headcount

And Reduced Break Even Revenue Levels

And Improved Cash Generation

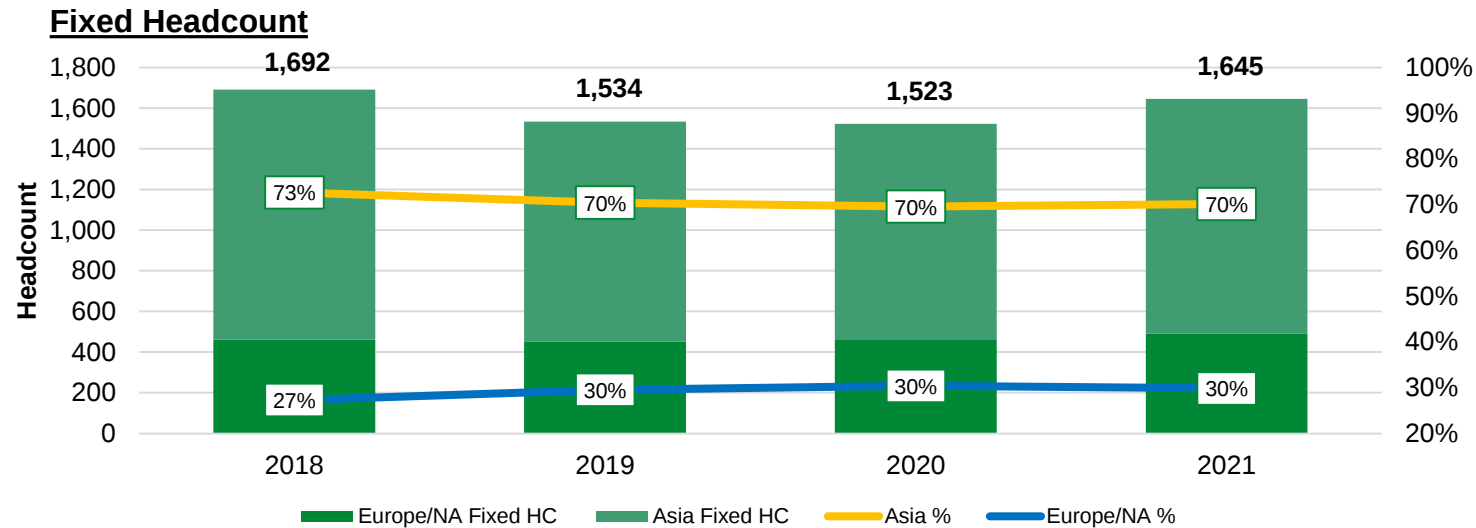


Flexible Production Model Has Generated Consistent Gross Margins in Market Cycles

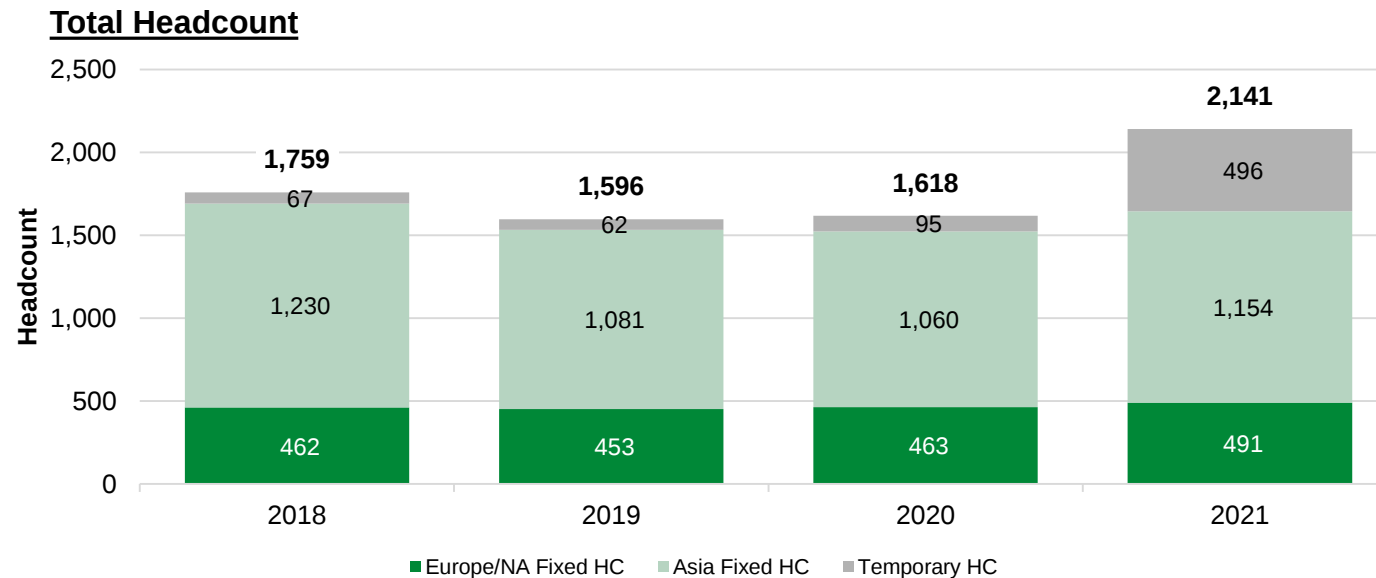


* Includes € 7.4 million (4.3 gross margin point) inventory charge in Q4-21 related to a flood of one of Besli's Malaysian production facilities.

Flexible Asian Workforce Has Significantly Enhanced Scalability



- **Aligning organization to meet projected growth:**
 - Scaling temporary Asian production personnel
 - Increased R&D and service personnel for next generation <10 nm assembly
- **Fixed headcount levels under control**
 - Has aided profit expansion in current cycle



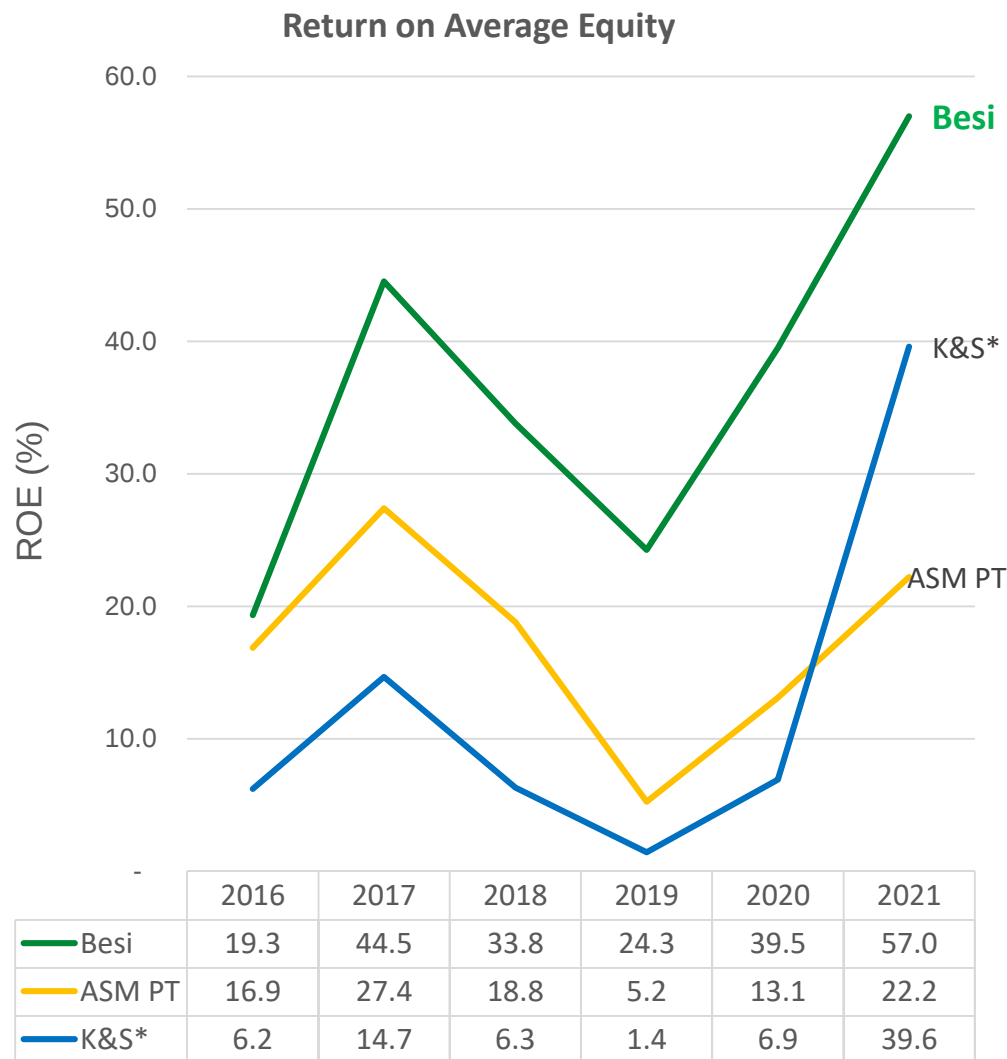
Structural, Through Cycle Outperformance Achieved vs. Direct Peers



Gross Margin			
	2016	2021	Δ 2016/ 2021
Besi	51.0%	59.6%	+8.6%
ASM PT (Back end)	43.4%	43.8%	+0.4%
K&S*	44.8%	45.9%	+1.1%

Operating Margin			
	2016	2021	Δ 2016/ 2021
Besi	20.0%	42.4%	+22.4%
ASM PT (Back end)	20.6%	22.4%	+1.8%
K&S*	8.6%	27.2%	+18.6%

* K&S on fiscal year basis



Besi's margins and ROE have exceeded direct peers through cycles:

- Investment in business model has yielded high returns
- Structurally higher gross and operating margins over past five years
- Gap vs. peers growing, particularly during last down cycle
- Besi capital allocation strategy has also helped drive ROE outperformance

Significant ESG Progress Achieved in 2021

Process Pillar	Progress
Environmental Impact	Reduced Scope 1 & 2 and 3 emissions intensity by 27% and 4%, respectively
	Relative reductions in fuel, energy, hazardous waste and water consumption
	Launched sustainable design initiatives for die bonding platforms
People Wellbeing	Additional COVID-19 health and safety measures implemented
	Increased female and local management % and training hours
	High level of employee engagement and motivation identified in COVID-19 Survey
Responsible Business	Increased % of Purchasing Volume signed CFSI and SAQ
	94% of Purchasing Volume compliant with RoHS directive, up from 92% in 2020

Key Targets 2022

100% renewable sources for European energy needs

15% reduction in Scope 1 and 2 carbon emissions*

Above-benchmark employee engagement

Increase training hours per employee

Compliance with SASB benchmark (2021)

TCFD compliance

Key Targets 2030

65% renewable sources for global energy needs

60% reduction in Scope 1 and 2 carbon emissions*

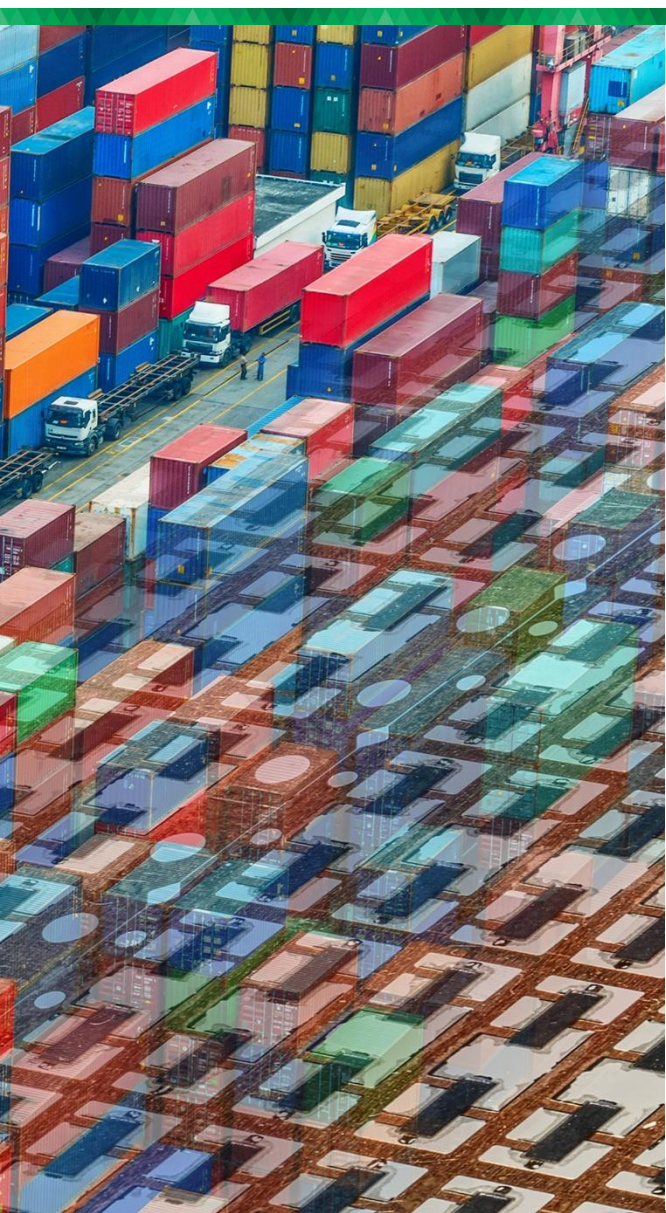
Reduce energy consumption

Decouple carbon footprint from revenue growth

80% vendor compliance with CFSI

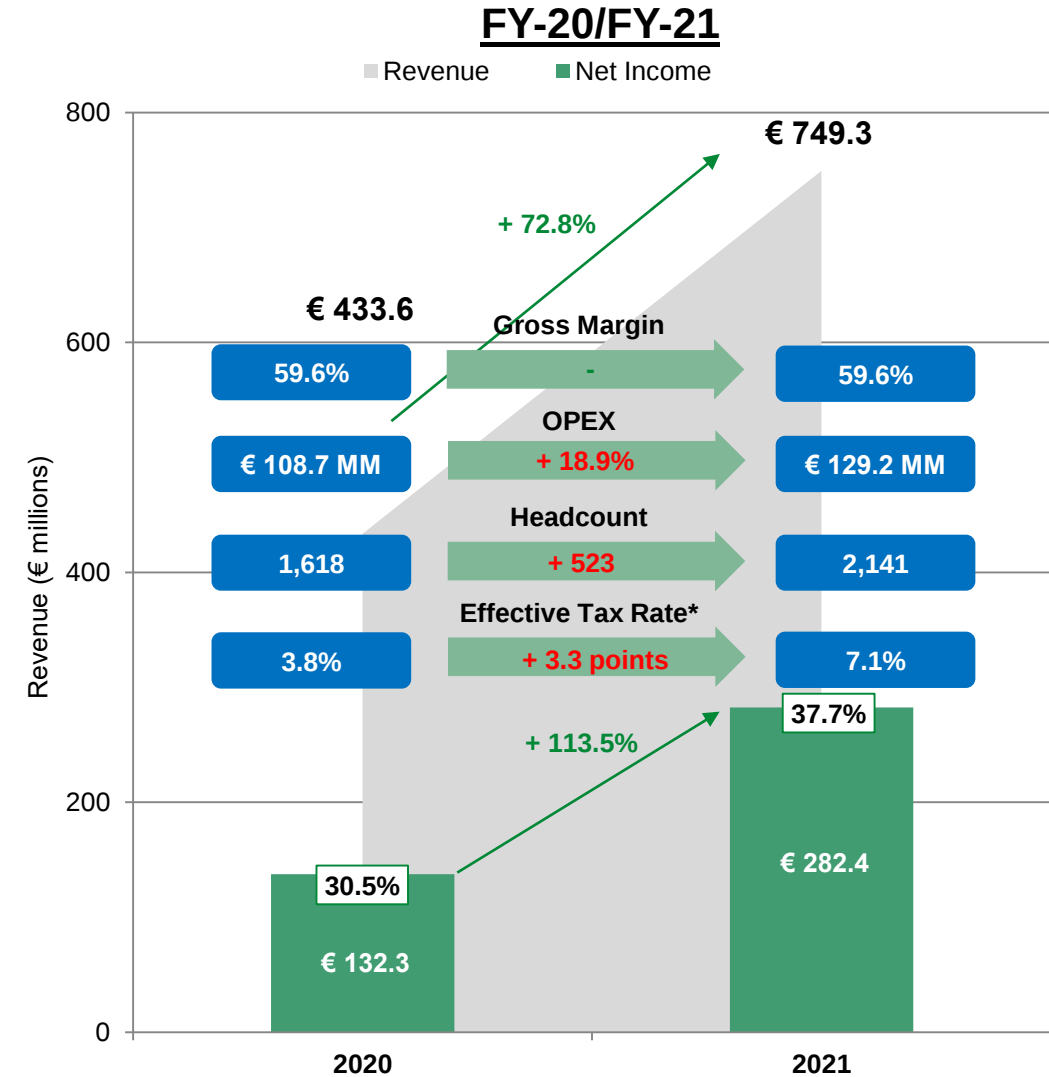
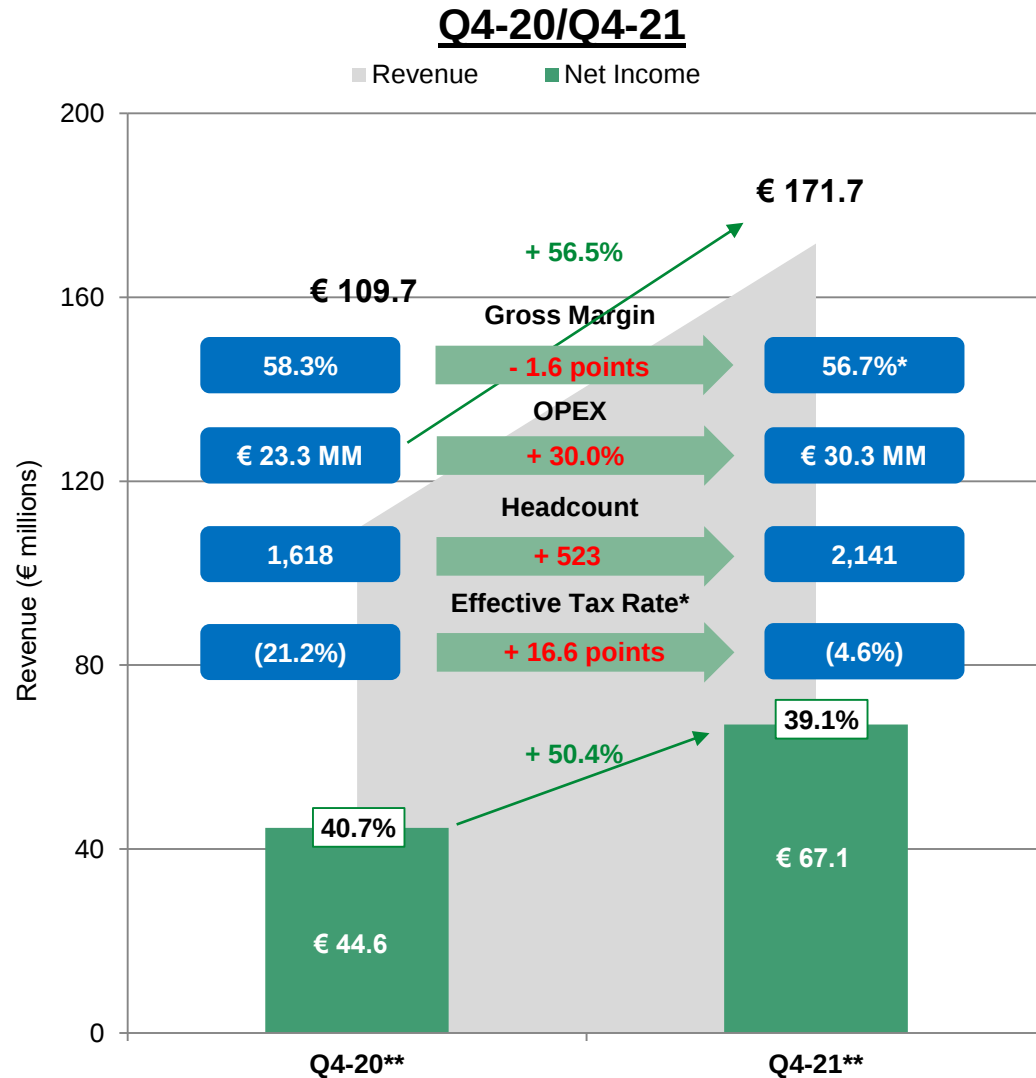
Carbon Neutral By 2050

* As per Greenhouse Gas Protocol. Targets relative to 2019 baseline data



IV. FINANCIAL UPDATE AND SUMMARY

Revenue and Profitability up Strongly in Q4-21 and FY 2021

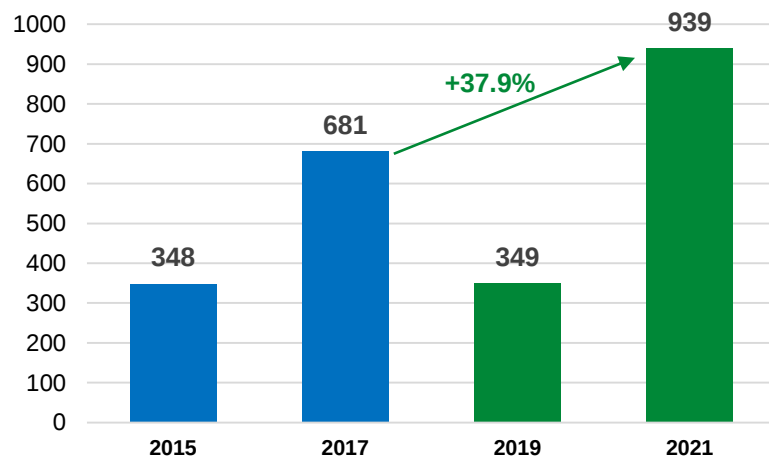


* Besi's gross margin would have been 61.0% in Q4-21 excluding € 7.4 million inventory impairment charge.

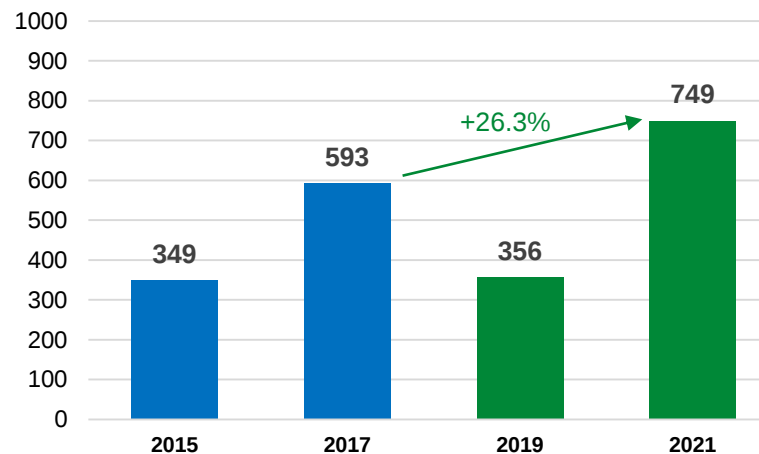
** Adjusted net margin of 37.7% in Q4-21 and 30.5% in Q4-20 excluding tax benefits in each period and Q4-21 inventory impairment charge.

Performance Significantly Above Last Cycle

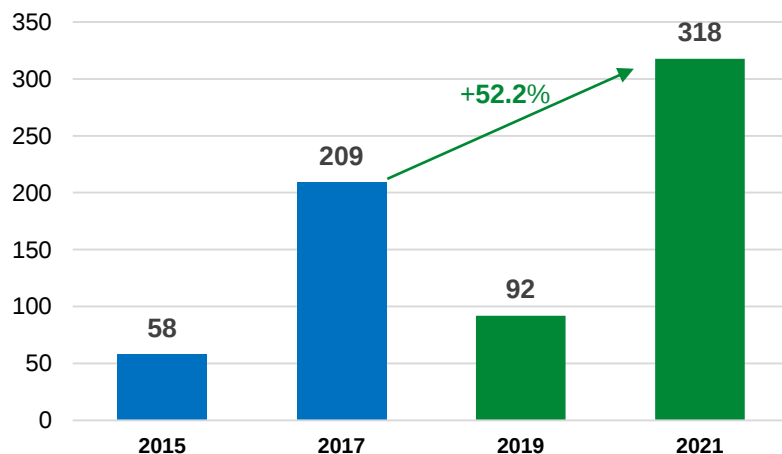
Orders (€ millions)



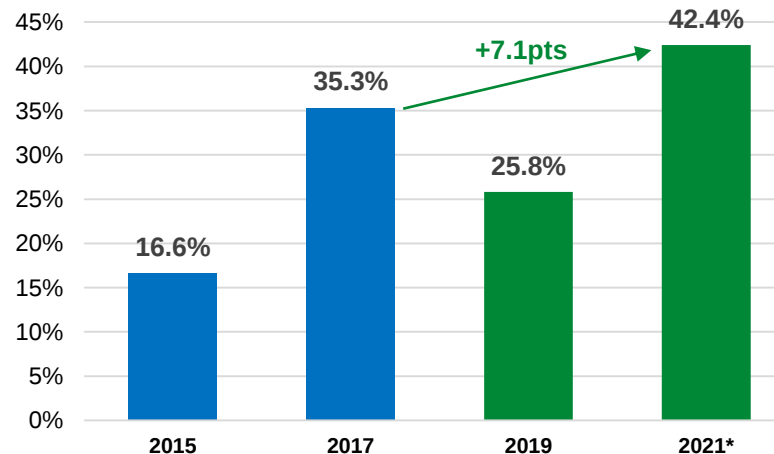
Revenue (€ millions)



Operating Profit (€ millions)

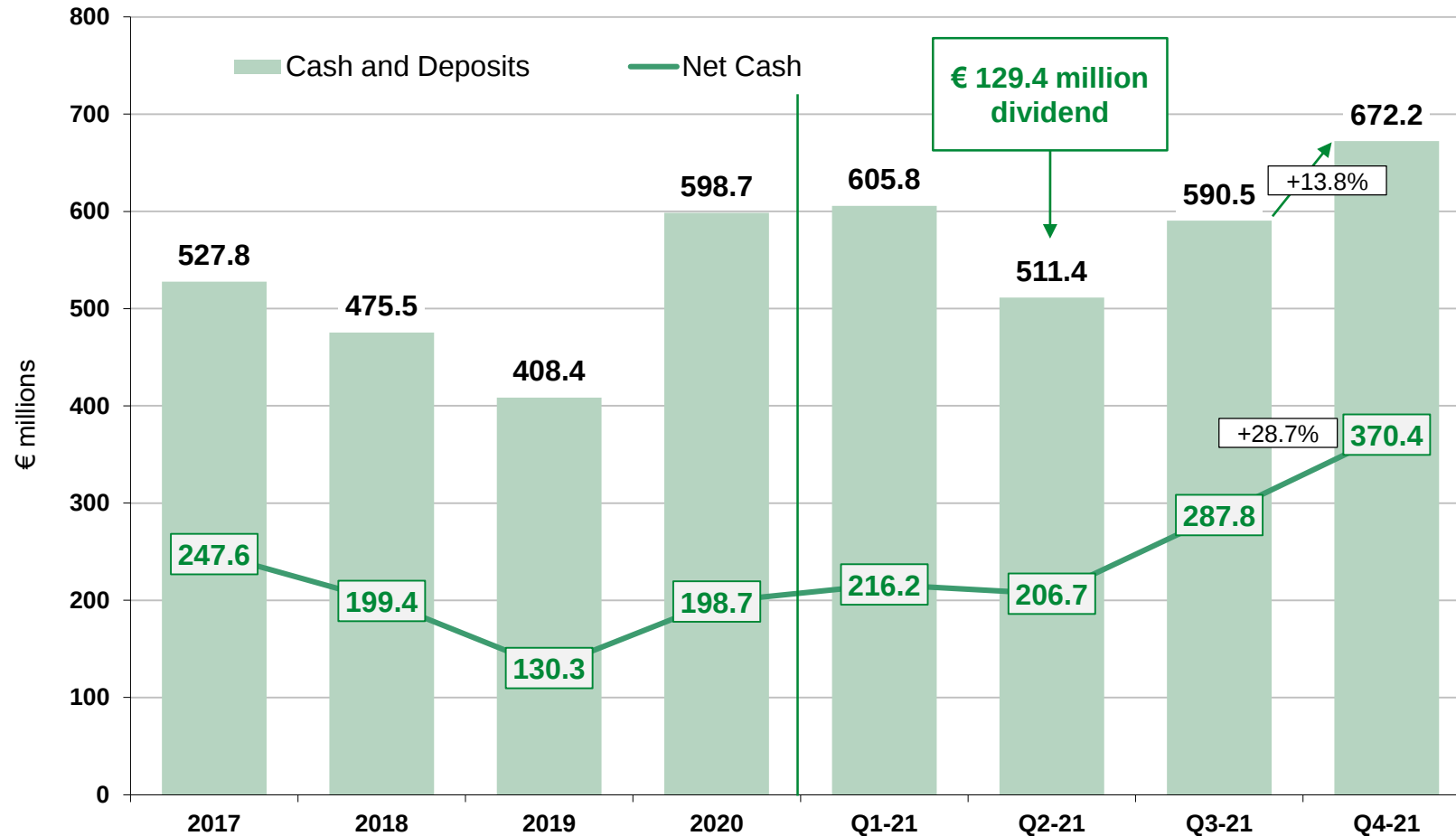


Operating Margin



- Orders +37.9% vs. 2017
- Revenue +26.3%
- Fixed headcount down 5%
- Operating profit +52.2%
- Operating margin up 7.1 points to 42.4%

Liquidity Position Expanded in 2021



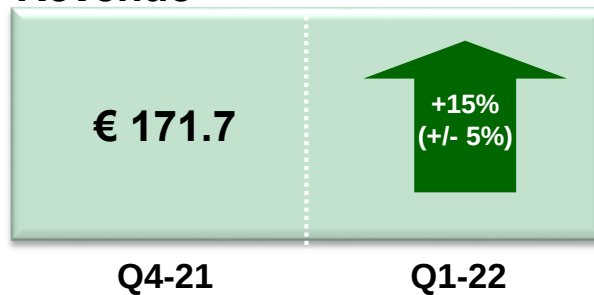
Q4-21 vs. Q3-21

- **Total cash up € 81.7 million (13.8%)**
 - +€ 101.8 million cash flow from operations
 - - € 15.7 million share repurchases
 - - € 6.7 million capitalized development

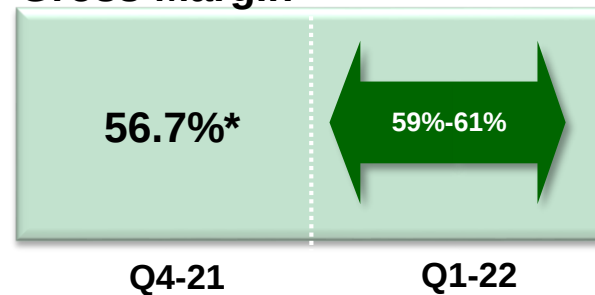
Q4-21 vs. Q4-20

- **Total cash up € 73.5 million (+12.3%)**
 - Financed € 46.1 million WC investment to support 2x order growth
- **Net cash of € 370.4 million up € 171.7 million (+86.4%)**
 - +€ 277.9 million cash flow from operations
 - +€ 110.2 million Convertible Notes converted
 - - € 129.4 million dividend paid
 - - € 50.1 million share repurchases
 - - € 23.0 million capitalized development

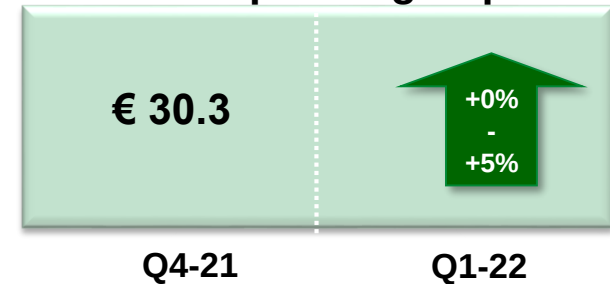
Revenue



Gross Margin

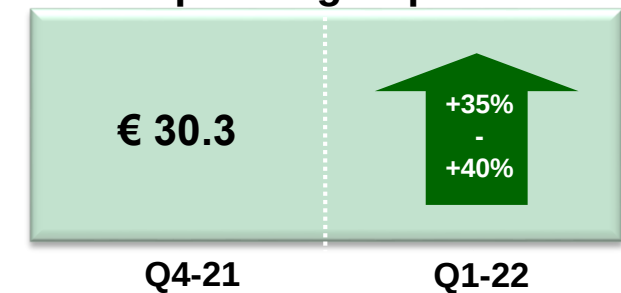


Baseline Operating Expenses



€ in millions

Total Operating Expenses



* Adjusted gross margin of 61.0% excluding inventory impairment charge.

**Assembly market
ever more critical in
semiconductor value
chain**

**Disciplined strategic
focus has created an
industry leader**

**Long term secular
trends drive
advanced packaging
growth**

**Wafer level assembly
new growth
opportunity**

**Market presence has
grown via key IDMs,
supply chains and
partners**

**Tech leadership and
scalability result in
superior financial
returns**

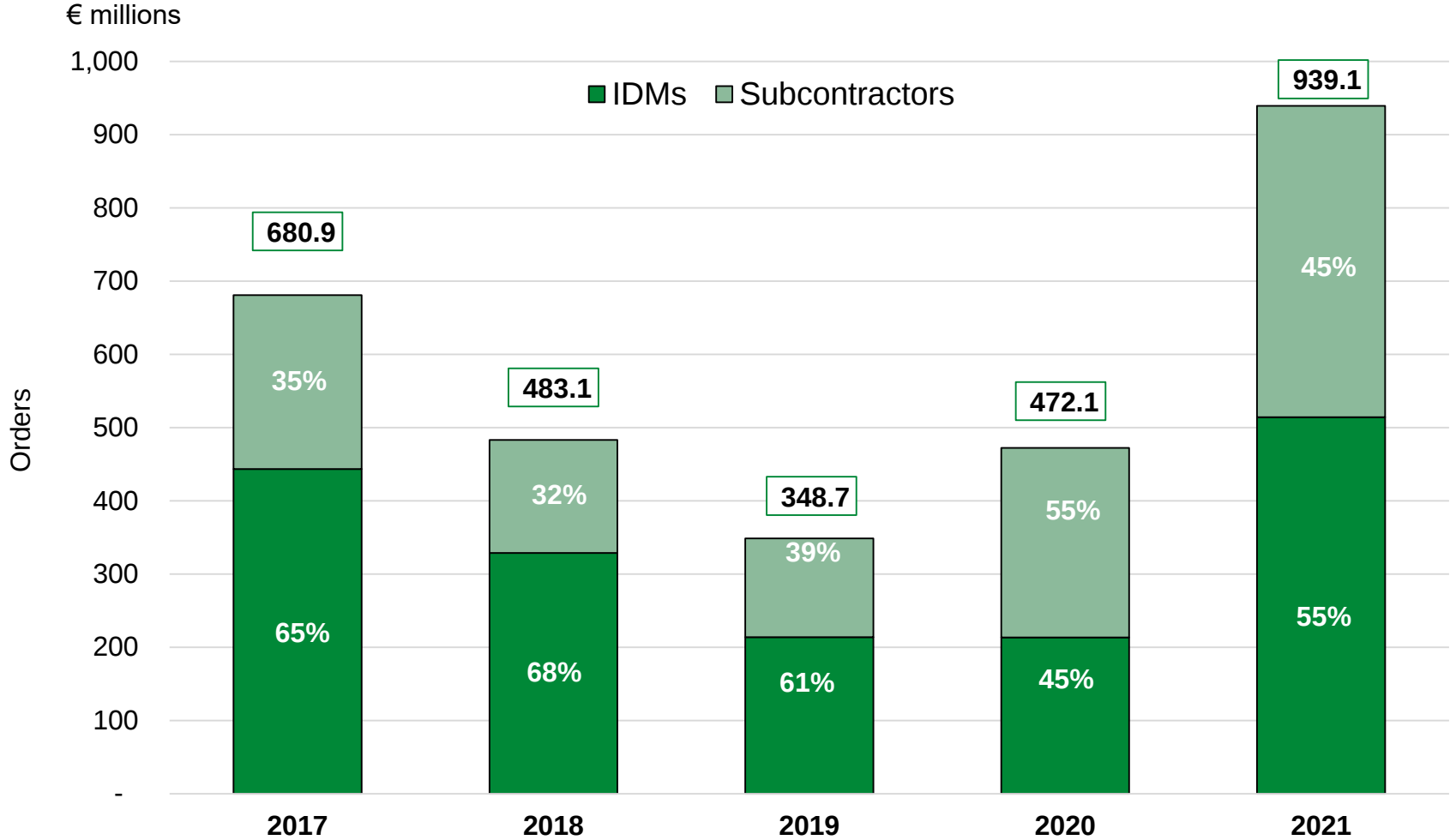
**Commitment to
sustainable growth
and fighting climate
change**

**Attractive capital
allocation policy**

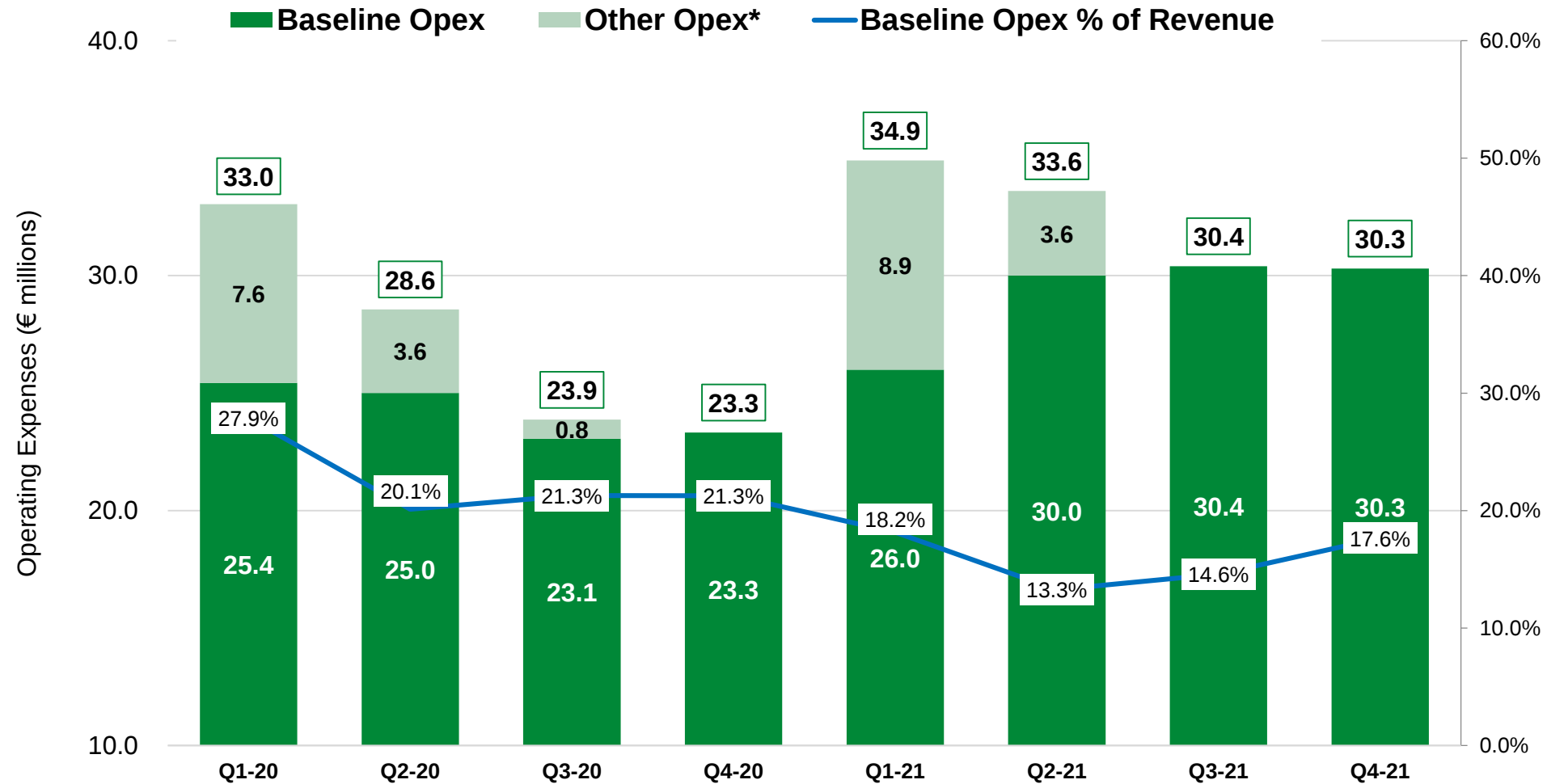


V. APPENDIX

IDM/Subcontractor Order Trends

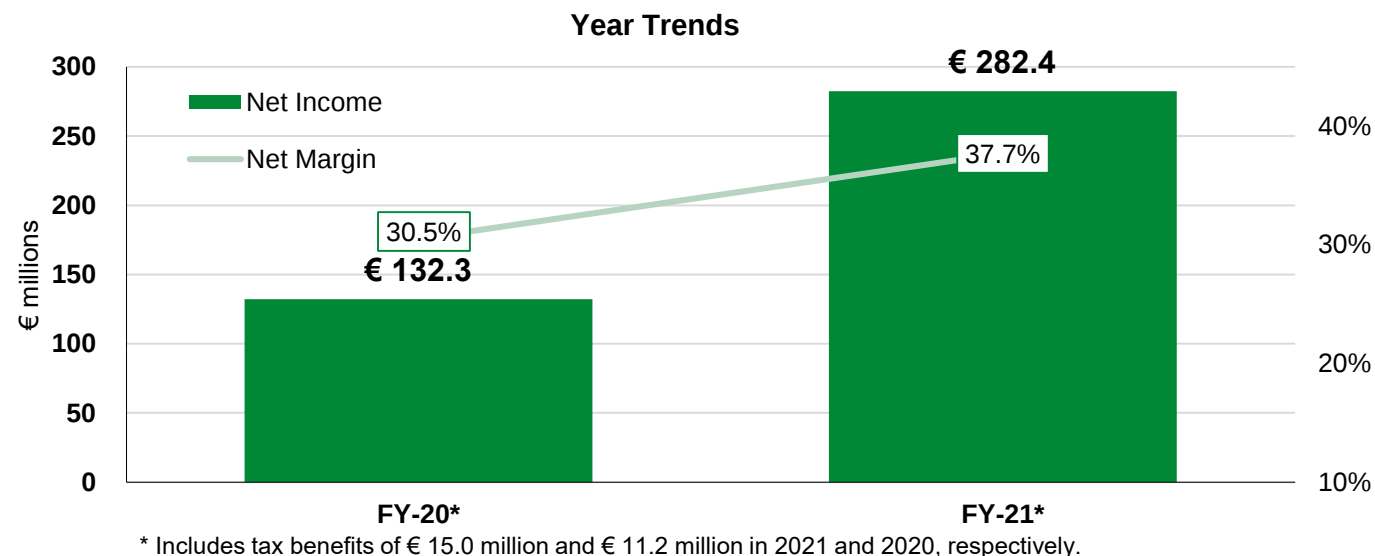
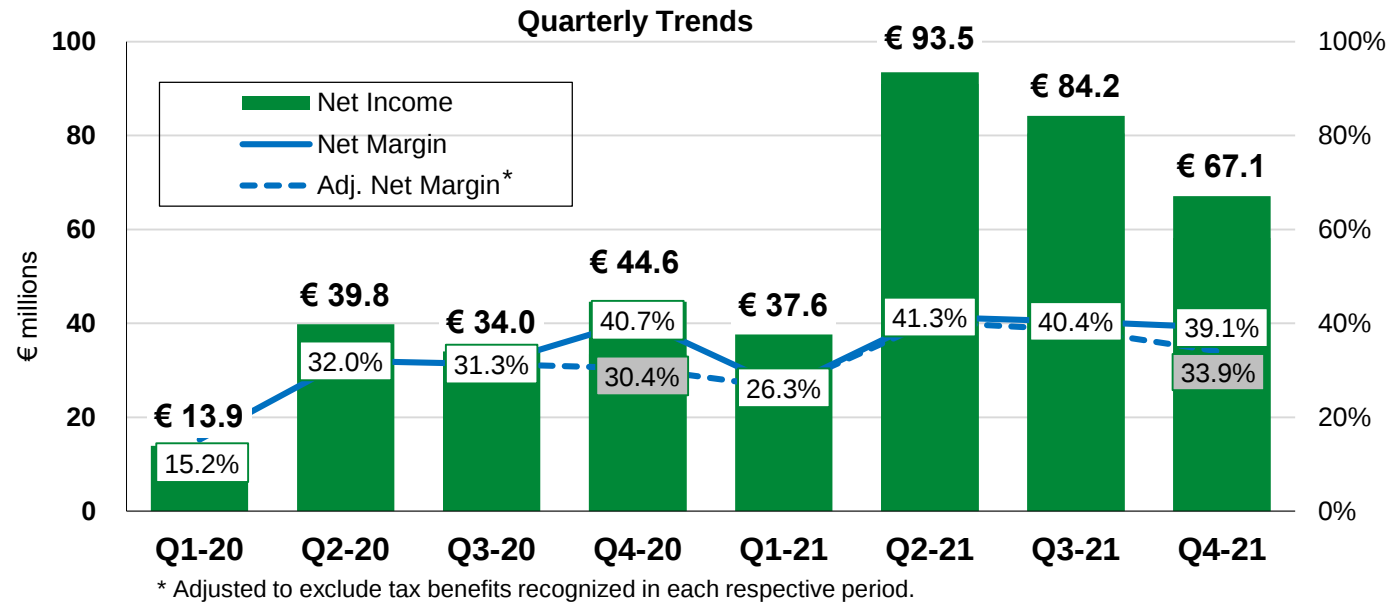


Baseline Operating Expense Trends



* Other Opex includes both short-term and long-term incentive compensation, seasonal effects, restructuring costs, net R&D capitalization/amortization and certain one-time items.

Net Income Trends



Q4-21 vs. Q3-21

- **€ 67.1 million (-€ 17.1 million)**
- -17.6% revenue decrease
 - Primarily due to shipment deferrals
- -€ 7.4 million inventory impairment charge
- Partial offset:
 - +Lower effective tax rate due to € 8.9 million tax benefit

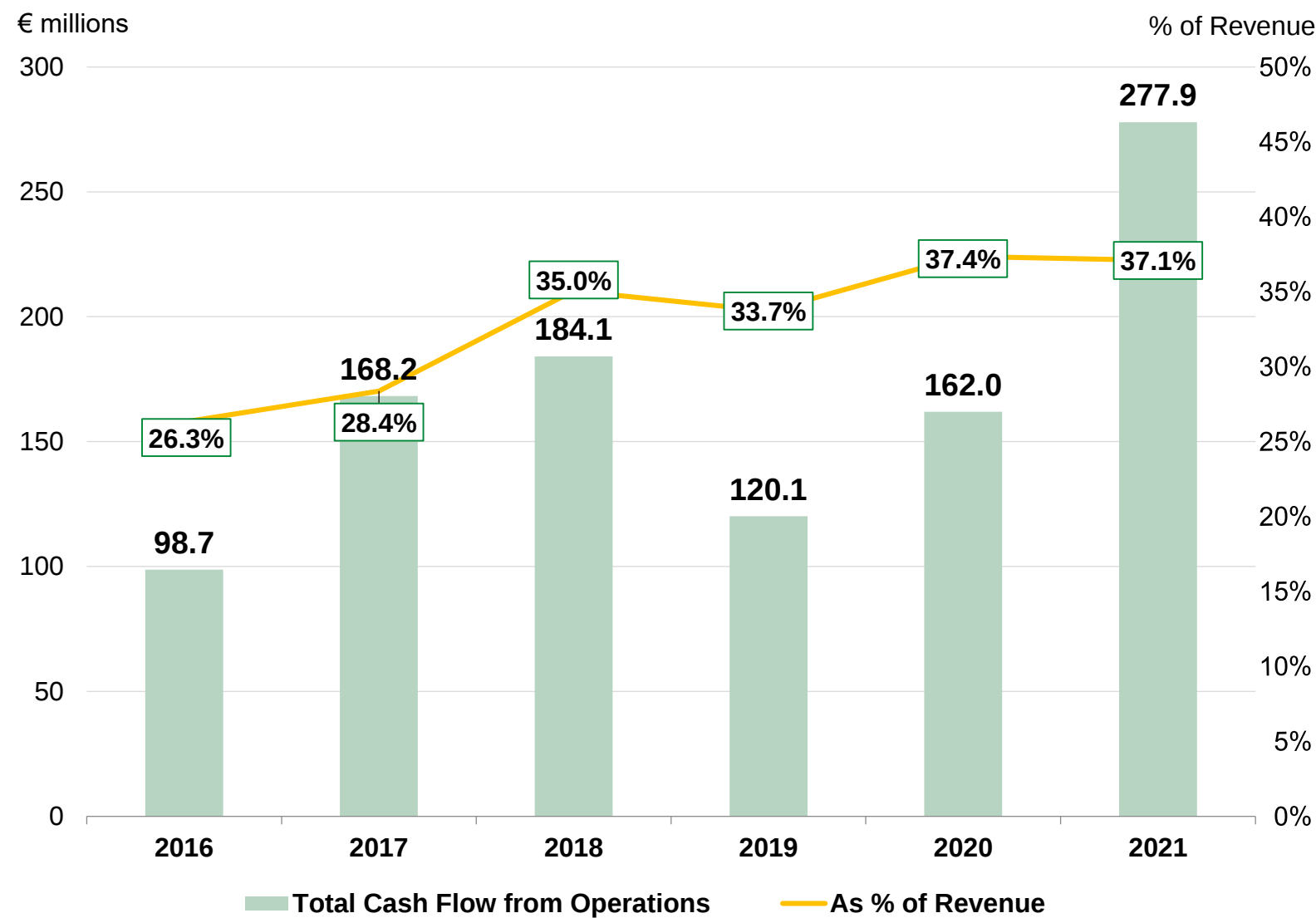
Q4-21 vs. Q4-20

- **+€ 22.5 million**
- +56.5% revenue growth
- +Cost control overhead and fixed personnel
 - Opex/revenue down from 21.2% to 17.6%
- Partial offset: higher effective tax rate

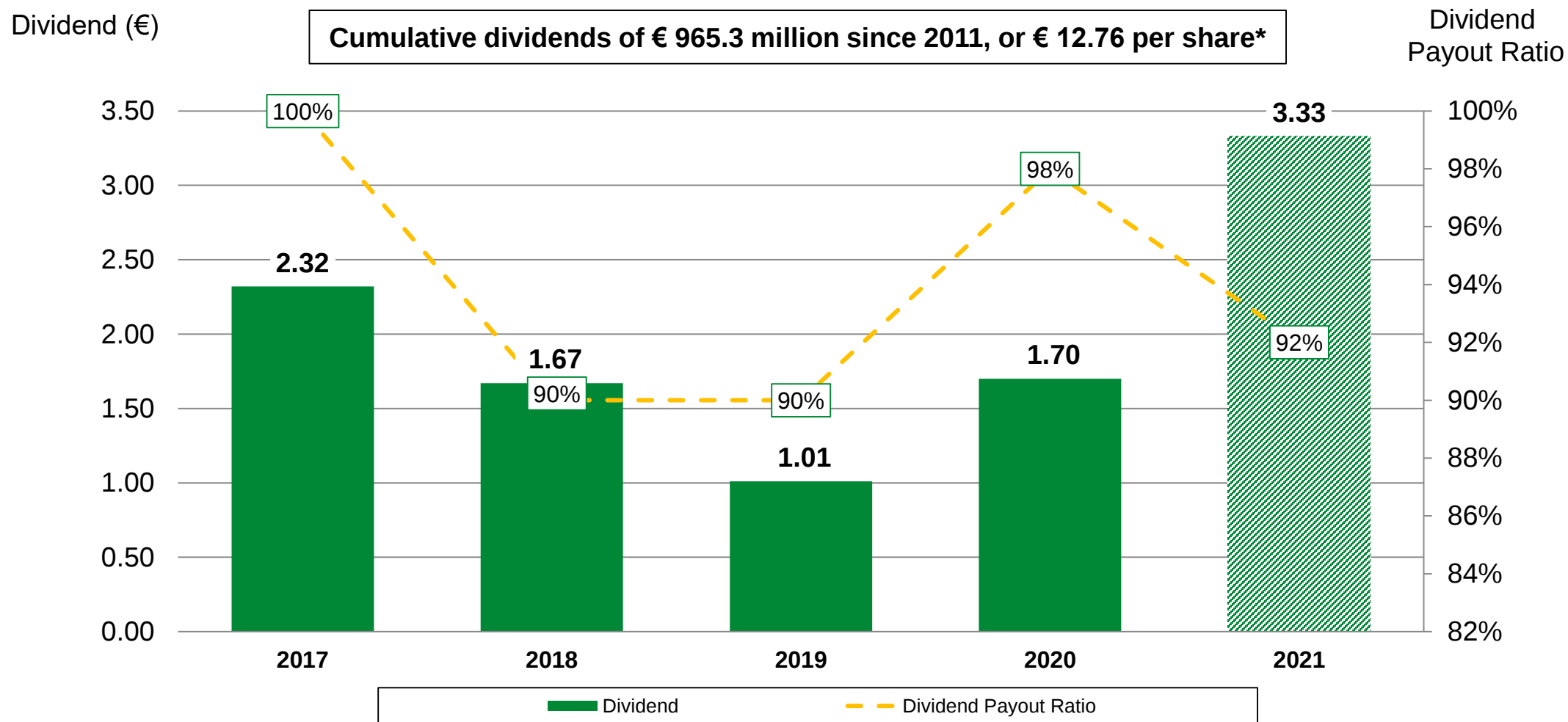
2021 vs. 2020

- **+€ 150.1 million (+113.5%)**
- +72.8% revenue growth
- +Cost control overhead and fixed personnel
 - Opex/revenue down from 25.1% to 17.2%
- Partial offset: higher effective tax rate (7.1% vs 3.8%)

Cash Flow Efficiency Trends

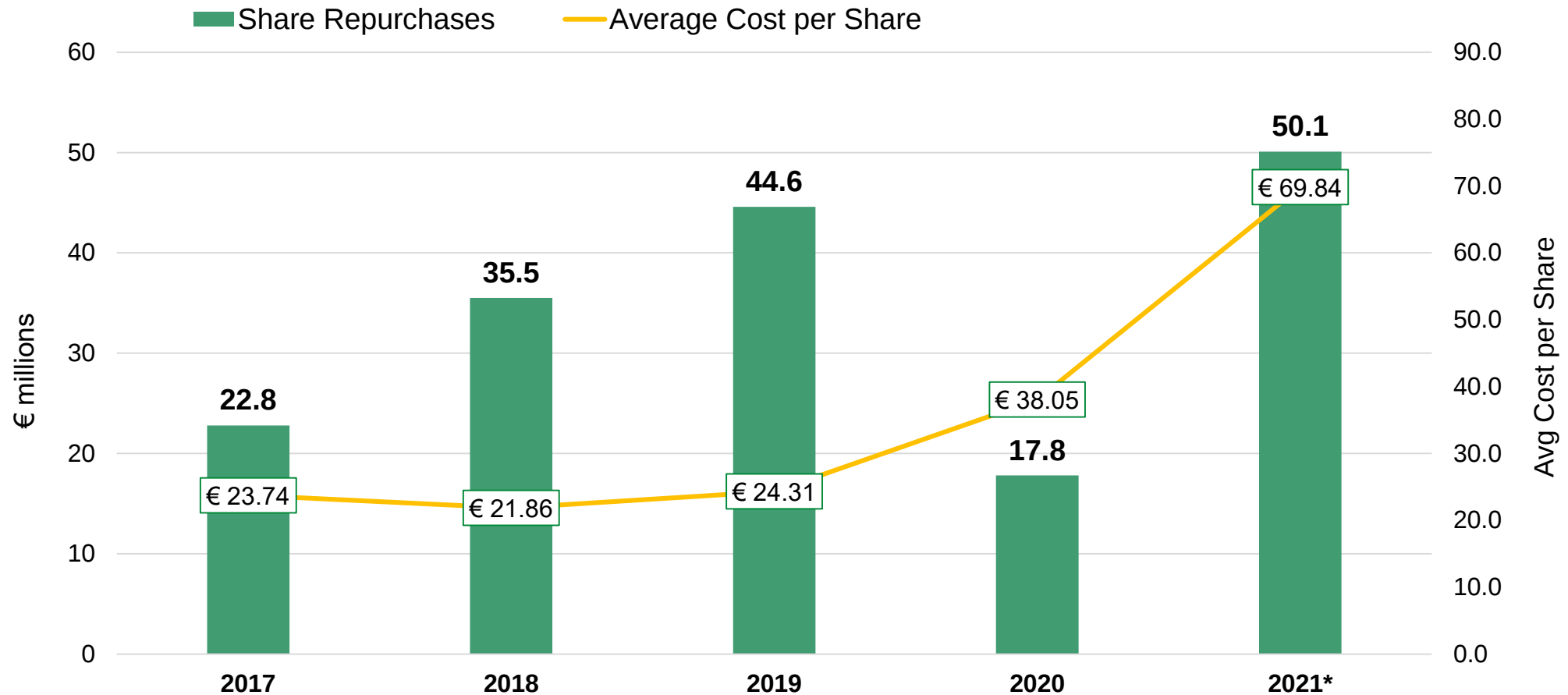


Dividend Trends



* Includes proposed 2021 dividend for approval at April 29, 2022 AGM

Share Repurchase Activity



- 0.6 million treasury shares at December 31, 2021. Represents 0.8% of shares outstanding.
- Total 78.0 million shares outstanding at December 31, 2021.

* Share repurchases included up to December 31, 2021.

Shareholder Base and Market Liquidity Has Expanded

Market Profile

Symbol/ Index

- BESI
- Euronext AEX

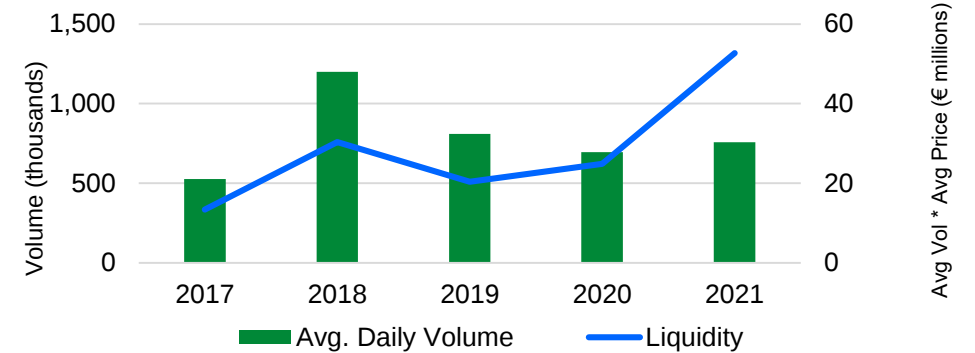
Market Cap*

- € 5.8 billion
(\$ 6.6 billion)

Dividend Policy

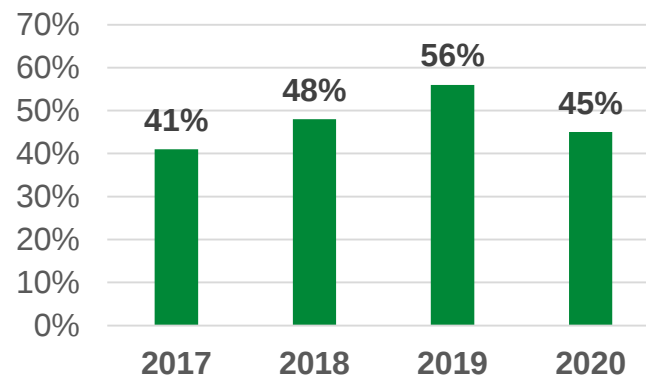
- Pay out 40-100% of net income per annum

Avg. Daily Volume and Liquidity

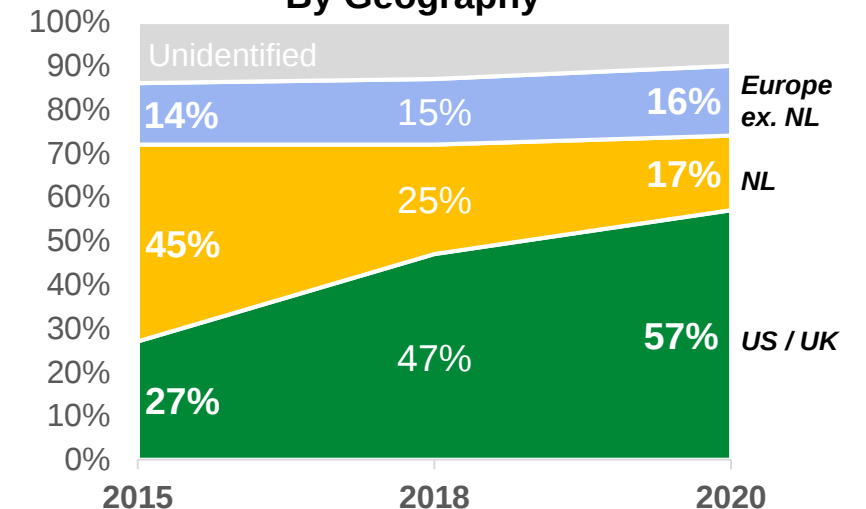


Share Ownership

Top 10 Shareholders** (% of shares outstanding)



By Geography



* As of December 31, 2021 ** Besi estimates