

AUTOMOTIVE & INDUSTRIAL

April 2024

DISCLAIMER

The Company's business operations and financial position are described in the Company's 2022-2023 Universal Registration Document (which notably includes the 2022-2023 Annual Financial Report) which was filed on June 14, 2023 with the French stock market authority (Autorité des Marchés Financiers, or AMF) under number D.23-0482 as well as in the Company's 2023-2024 half-year report released on November 15, 2023. The French versions of the 2022-2023 Universal Registration Document and of the 2023-2024 half-year report, together with English courtesy translation for information purposes of both documents, are available for consultation on the Company's website (www.soitec.com), in the section Company - Investors - Financial Reports

Your attention is drawn to the risk factors described in Chapter 2.1 (Risk factors and controls mechanism) of the Company's 2022-2023 Universal Registration Document.

This document contains summary information and should be read in conjunction with the 2022-2023 Universal Registration Document and the 2023-2024 half-year report.

This document contains certain forward-looking statements. These forward-looking statements relate to the Company's future prospects, developments and strategy and are based on analyses of earnings forecasts and estimates of amounts not yet determinable. By their nature, forward-looking statements are subject to a variety of risks and uncertainties as they relate to future events and are dependent on circumstances that may or may not materialize in the future. Forward-looking statements are not a guarantee of the Company's future performance. The occurrence of any of the risks described in Chapter 2.1 (Risk factors and controls mechanism) of the 2022-2023 Universal Registration Document may have an impact on these forward-looking statements. In particular, the future consequences of geopolitical conflicts, notably the Ukraine / Russia situation, as well as rising inflation, may result in greater impacts than currently anticipated in these forward-looking statements.

The Company's actual financial position, results and cash flows, as well as the trends in the sector in which the Company operates may differ materially from those contained in this document. Furthermore, even if the Company's financial position, results, cash-flows and the developments in the sector in which the Company operates were to conform to the forward-looking statements contained in this document, such elements cannot be construed as a reliable indication of the Company's future results or developments.

The Company does not undertake any obligation to update or make any correction to any forward-looking statement in order to reflect an event or circumstance that may occur after the date of this document. In addition, the occurrence of any of the risks described in Chapter 2.1 (Risk factors and controls mechanism) of the 2022-2023 Universal Registration Document may have an impact on these forward-looking statements.

This document does not constitute or form part of an offer or a solicitation to purchase, subscribe for, or sell the Company's securities in any country whatsoever. This document, or any part thereof, shall not form the basis of, or be relied upon in connection with, any contract, commitment or investment decision.

Notably, this document does not constitute an offer or solicitation to purchase, subscribe for or to sell securities in the United States. Securities may not be offered or sold in the United States absent registration or an exemption from the registration under the U.S. Securities Act of 1933, as amended (the "Securities Act"). The Company's shares have not been and will not be registered under the Securities Act. Neither the Company nor any other person intends to conduct a public offering of the Company's securities in the United States.

AGENDA

#01 SOITEC AT A GLANCE

#02
AUTOMOTIVE
& INDUSTRIAL

#03
SMARTSiCTM
ADOPTION



SOITEC ATAGLANCE

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SOITEC HAS BUILT A UNIQUE POSITION IN THE VALUE CHAIN

BUILDING CUSTOMER INTIMACY TO MAKE OUR PRODUCTS A STANDARD AND BECOME A REFERENCE



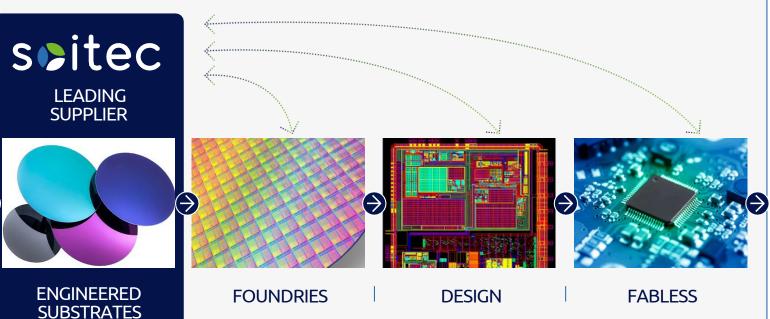
EQUIPMENT



BULK MATERIALS



UTILITIES





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BUILDING A DIVERSE PRODUCT PORTFOLIO TO FUEL OUR DIVISIONS VALUE CREATION ACROSS 3 STRATEGIC END MARKETS



InP

SmartGaN

PREPARING EXPANSION BEYOND

Power-GaN

RF-GaN

SmartSiCTM

EXPANDING INTO COMPOUND SEMICONDUCTORS

POI

Photonics-SOI

Imager-SOI

Power-SOI

STRENGTHENING SOI LEADERSHIP

FD-SOI

RF-SOI

+ LICENSING / PATENT MONETIZATION



RAMPING GLOBAL INDUSTRIAL FOOTPRINT

TO ADDRESS GROWING DEMAND IN SOI AND COMPOUND ENGINEERED SUBSTRATES



SOITEC BERNIN 1 - SOI 200 FRANCE

RF-SOI

Power-SOI

FD-SOI

Photonics-SOI



SOITEC BERNIN 2 - SOI 300 FRANCE

RF-SOI Photonics-SOI

FD-SOI Imager-SOI



SOITEC BERNIN 3 - POI FRANCE

POI



SOITEC BERNIN 4 - SmartSiC™ FRANCE

SmartSiC™

300mm Refresh

Extension under construction



SOITEC PASIR RIS 1 - SOI 300 SINGAPORE

RF-SOI Photonics-SOI Refresh



SOITEC PASIR RIS 1A - SOI 300 SINGAPORE

RF-SOI Photonics-SOI

FD-SOI Refresh

Extension under construction



SIMGUI PARTNERSHIP - SOI 200 CHINA

RF-SOI

Power-SOI



SOITEC BELGIUM - GaN BELGIUM

GaN

SOI Wafers

Compound Wafers

~ 1.45 mwpy

200mm SOI capacity reaching limit

- B1: full at 1M
- Simgui: up to 450K

✓ Up to 2.75 mwpy

300mm SOI capacity target

- B2: 750K by end of FY25
- PR1: 1M by end of FY25
- PR1A: up to 1M in line with customer demand

☐ Up to 700 kwpy

Ramping capacity for POI in B3

☐ Up to 500 kwpy

Ramping capacity for SmartSiC™in **B4** First production expected Q3 FY24

☐ Up to 60 kwpy

For Epi capacity in Hasselt



AUTOMOTIVE & INDUSTRIAL



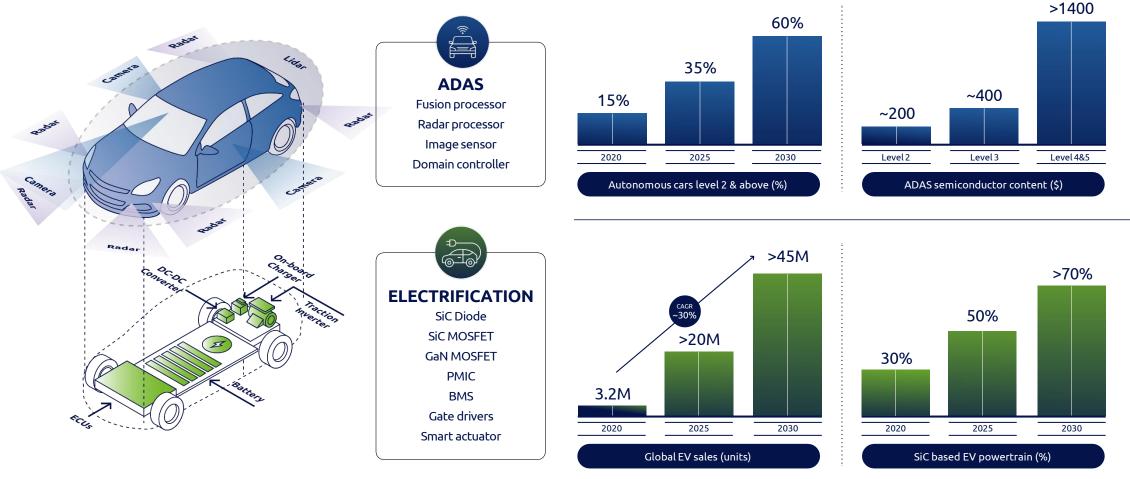






AUTOMOTIVE MEGATRENDS

DRIVE INNOVATION FROM SYSTEMS TO SUBSTRATES

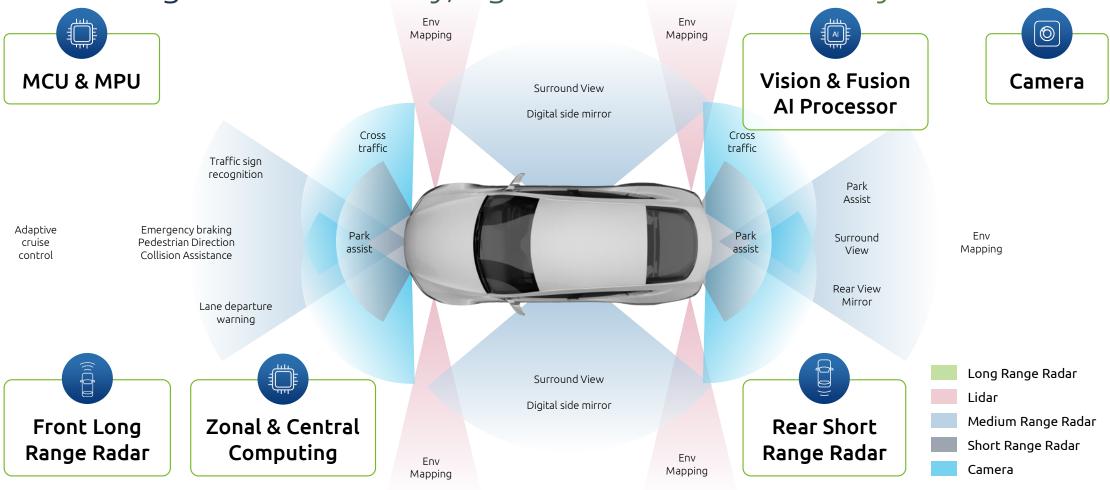


Source: Soitec estimates, Infineon, NXP, IHS, The International Council on Clean Transportation (ICCT) 2020



Auto FD-SOI

Accelerating vehicle autonomy, digitalization and connectivity











AUTOMOTIVE & INDUSTRIAL PRODUCT PORTFOLIO AUTO FD-SOI



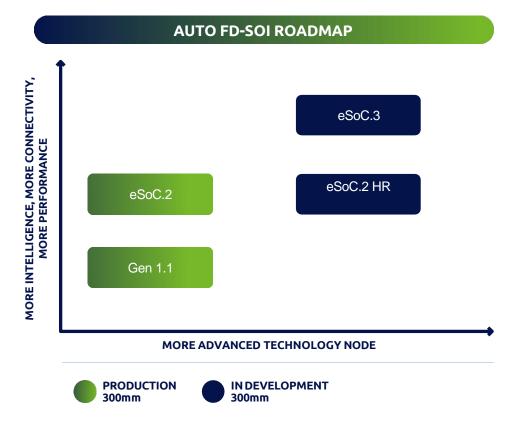
AUTO FD-SOI EMPOWERS THE FUTURE OF AUTOMOTIVE AND INDUSTRIAL SMART DEVICES











Auto POWER SOI

Delivering performance and safety to the Automotive for more than 20 years





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AUTOMOTIVE & INDUSTRIAL PRODUCT PORTFOLIO AUTO POWER-SOI



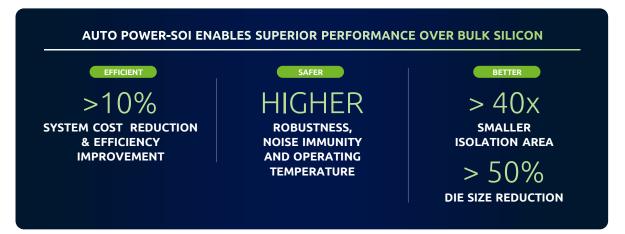


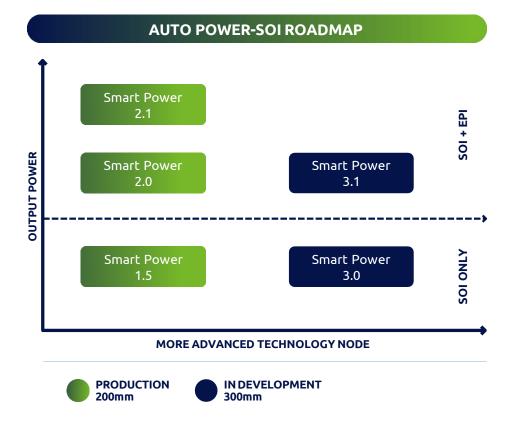
AUTO POWER-SOI FOR IVN, PMIC, SBC, BMS & GATE DRIVERS







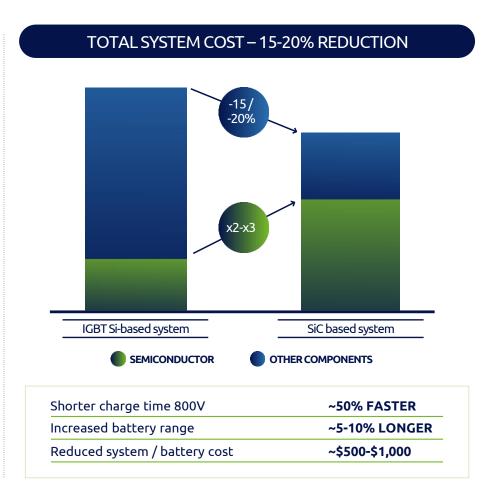




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POWERTRAIN – A CRITICAL COMPONENT OF THE EV MARKET SIC ADDS VALUE AT SYSTEM LEVEL AND ENABLES COST REDUCTION

POWERTRAIN COST: ~\$10,000 **ELECTRIC BATTERY PACK & POWER MOTOR ELECTRONICS MODULES** - Electric motors Battery pack - E-drive / inverter (DC/AC) - Modules and cells - DC/DC Converter e-transmission - BMS On-board charger (AC/DC) ~\$1,100**** ~\$8,000 ~\$1,500> **STANDARDISATION** OF 800V IN BATTERY **ACCELERATES SIC ADOPTION**











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AUTOMOTIVE & INDUSTRIAL PRODUCT PORTFOLIOAUTO SMARTSICTM



AUTO SmartSiC™, A DISRUPTIVE SOLUTION FOR LARGER SIC ADOPTION

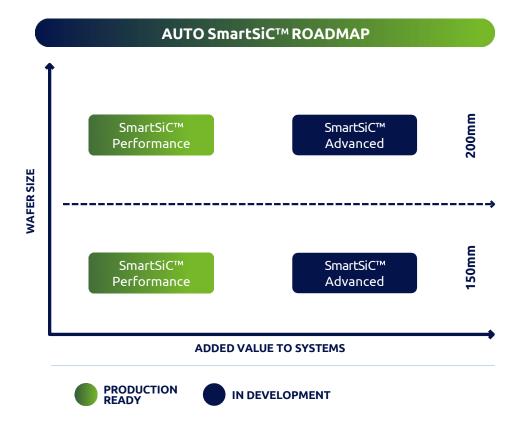


Powertrain











SMARTSICTM ADOPTION





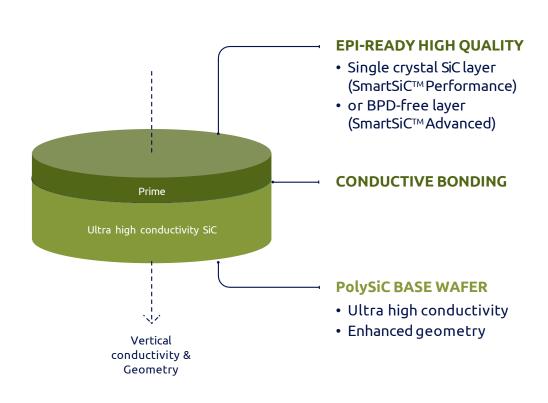






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SMARTSIC™ UNRIVALED VALUE PROPOSITION TO ENABLE EV ADOPTION



UNPARALLELLED VALUE PROPOSITION

- 40,000 Tons of CO2 reduction for each 1 million wafers vs SiC
- 200mm scalability to accelerate SiC adoption by 2 years through 10x re-usability
- Enabling new generations of SiC devices thanks to an improvement of R_{DSON} of up to 20%
- Reducing CAPEX & OPEX for device manufacturers

>10x

MONO-SIC WAFER RE-USABILITY

~8x

POLY-SIC WAFER BETTER CONDUCTIVITY

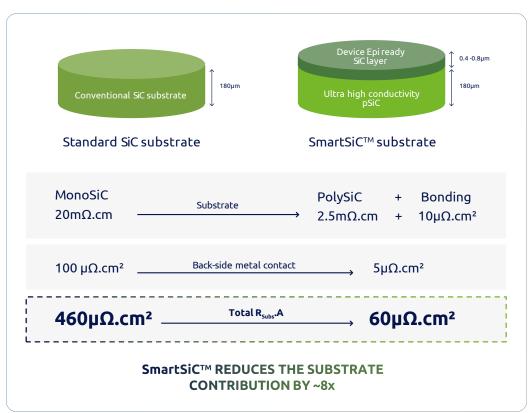






SMARTSICTM ENGINEERED SUBSTRATE DRIVING SIGNIFICANT PERFORMANCE GAIN AT DEVICE LEVEL

Lower R_{DSon}.A



SmartSiCTM gains the equivalent to one-generation device improvements

MOSFET 1200V	A	В	С	D
Generation (release year)	3 (2022)	3 (2021)	2 (2022)	4 (2022)
MOSFET design	Planar	Planar	Trench	Trench
Back-grinding Thickness (in µm)	180	180	110	150
SmartSiC™ Gain (*) vs SiC	14.9%	14.9%	11.2%	14%



ADDITIONAL GAINS OF SMARTSIC™ ON BETTER FLATNESS
AND EASIER BACK-GRINDING PROCESS
+
GAINS ON CAPEX AVOIDANCE

^{*} Soitec estimates based on publicly available information









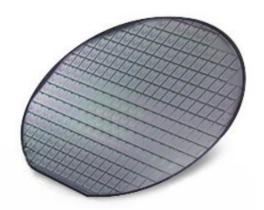




SMARTSiCTM ENABLES UP TO +25% MORE DIES / WAFER

Constant R_{ON} redesign | MOSFET 1200V

	150mm wafer		200mm wafer	
	monocrystal SiC	SmartSiC™	monocrystal SiC	SmartSiC™
Initial die size	25 mm²	21.3 mm² +15%	25 mm²	21.3 mm² +15%
Gross dies / Wafer	~600	~710 +18%	~1,110*	~1,315* +18%
Die process yield	70%	74% +4%	70%	74% +4%
Good dies / Wafer	~420	~525 +24%	~775	~975 +25%



Source: Littelfuse







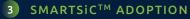


Second SmartSiCTM customer engaged Partnerships with STMicroelectronics & second customer validate SmartSiCTM roadmap







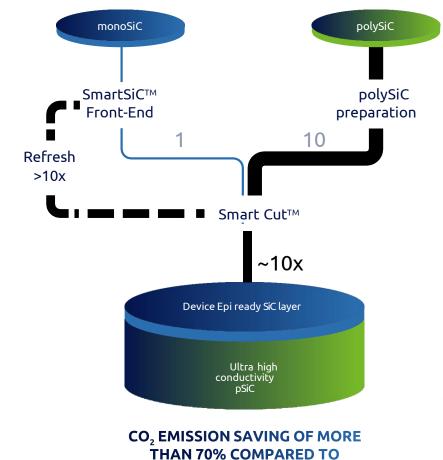


SUSTAINABLE AND AGILE SUPPLY CHAIN

monoSiC

FLEXIBLE SUPPLY MODEL

- Qualification strategy customized to customer requirements
- 3 suppliers already engaged:
 - vertically integrated
 - independent sources
- Suppliers located in different regions



CONVENTIONAL SIC

polySiC

ECOSYSTEM DRIVEN BY SOITEC

- Suppliers targeted across different regions
 - 1 supplier under LTA
 - 2 suppliers engagement on track with roadmap
- Others under evaluation
- Strong collaboration with suppliers to design the most efficient polySiC wafers
- High degree of agility between 150mm and 200mm wafers









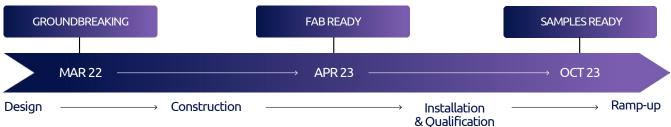


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BERNIN 4

NEW CLEANROOM FOR SMARTSiCTM 500kwpy 150/200mm CAPACITY





BERNIN 4 TRIGGER SMARTSiC™ CAPACITY

High flexibility 150-200mm Designed with efficient principles

- 2,000m² agile new cleanroom able to produce SmartSiC™ 150/200mm
- 300mm Refresh located in the same building to enable fixed cost absorption as early as CY24
- Facilities redundancy, industrial synergies (utilities, warehouse, know-how...)
- Fully connected with former cleanroom and new logistics platform





AUTOMOTIVE & INDUSTRIAL THANK YOU