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This document contains summary information and should be read in conjunction with the 2020-2021 Universal Registration Document, which was filed on July 5, 2021 with the French stock market authority (Autorité des Marchés Financiers, or AMF) under number D.21 0681. The French version of the 2020-2021 Universal Registration Document and an English courtesy translation for information purposes are both available for consultation on the Company's website

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AGENDA

#01 SOITEC AT A GLANCE

#02 AUTOMOTIVE & INDUSTRIAL

#03 SmartSiCTM



SOITEC AT A GLANCE



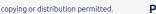
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SOITEC DESIGNS SEMICONDUCTOR MATERIALS TO MAKE THE WORLD





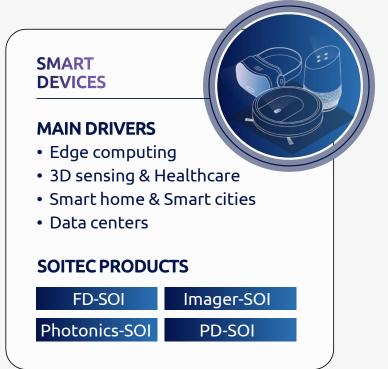


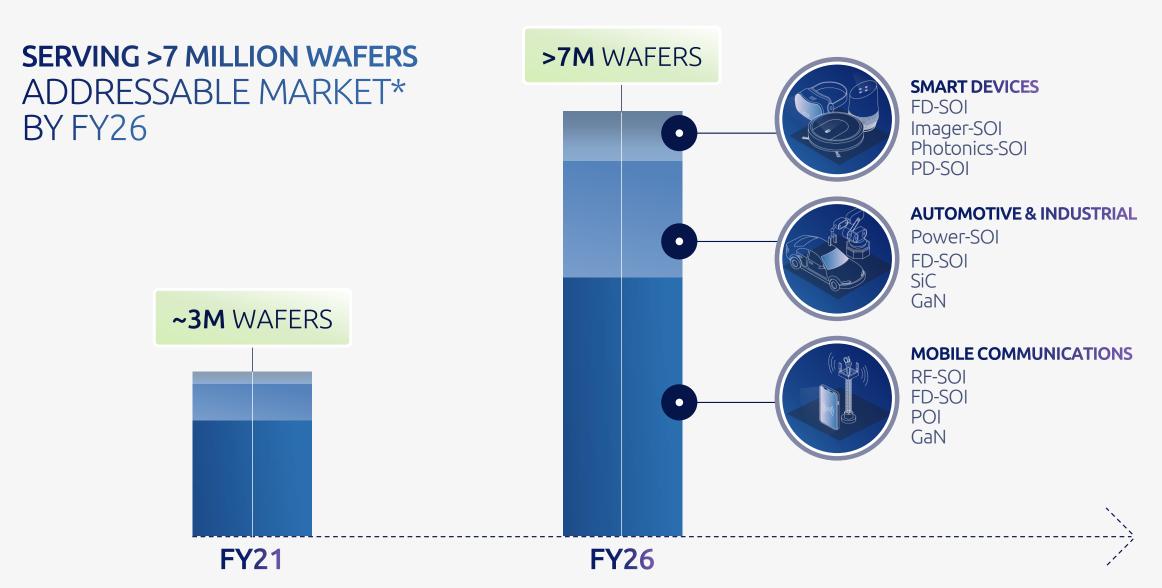


FOCUSING ON 3 STRATEGIC MARKETS TO EXPAND OUR PRODUCT PORTFOLIO









*Engineered substrates market opportunity







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DELIVERING ON OUR ESG COMMITMENTS SHARING VALUE CREATION WITH ALL STAKEHOLDERS

Soitec is taking action for the

Our corporate purpose voted in July 2021 perpetuates our engagements towards sustainability and all our stakeholders



GROUP PRIORITIES



GROWTH

Expand and protect the core business



PROFITABILITY

Protect into adjacent markets



PEOPLE

Adjust the operating model



SUSTAINABILITY

Support our value creation strategy

AUTOMOTIVE & INDUSTRIAL



SOITEC PRODUCTS PORTFOLIO **AUTOMOTIVE & INDUSTRIAL**

APPLICATIONS

- Autonomous driving systems
- Connected car
- Vehicle electrification
- Industry 4.0



SOITEC PRODUCTS ENABLE

- Autonomous driving
- Infotainment
- Vehicle electrification



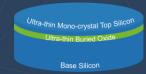
Power-SOI

Power management ICs, In-vehicle networking & gate drivers



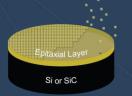
FD-SOI

MCUs, ADAS-Radars **ADAS-Vision**



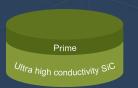
GaN

DC-DC 48V converters



SmartSiCTM

Automotive electrification



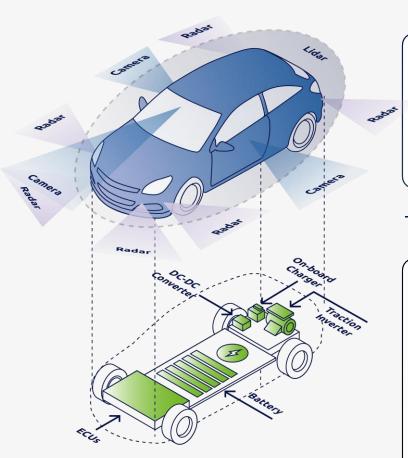




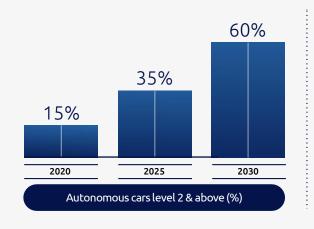


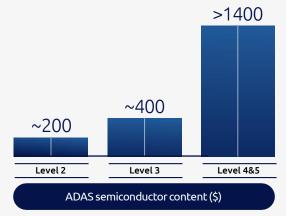


AUTOMOTIVE MEGATRENDS DRIVE INNOVATION FROM SYSTEMS TO SUBSTRATES









ELECTRIFICATION

SiC Diode

SIC MOSFET

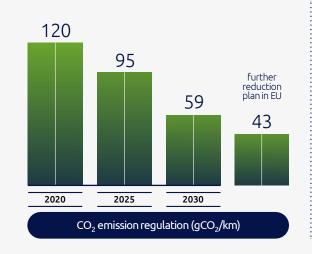
GaN MOSFET

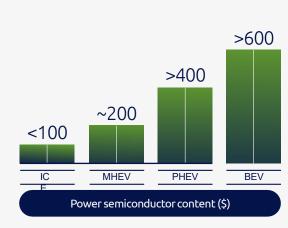
PMIC

BMS

Gate drivers

Smart actuator





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



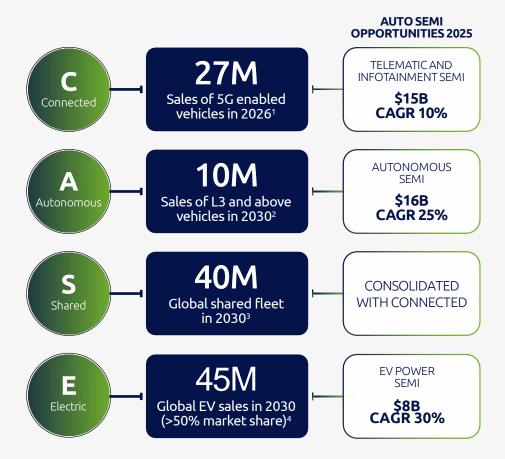








ONCE-IN-A CENTURY TRANSFORMATION IN AUTOMOTIVE MARKET





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(1) v.s. 2020: Zero 5G vehicles; (2) v.s. 2020: Zero L3+ vehicles; (3) v.s. 2020: 19m global shared fleet; (4) v.s. 2020: 3.2m EV sales: 4.2% market share Sources: Soitec estimates, LMC, IHS, NXP, IFX 2019 / CAGR (2019~2025), IEA 2021, Exawatt, Yole.



POWERTRAIN – A CRITICAL COMPONENT OF THE EV MARKET Beyond added value at the system level, SiC will also tackle cost

POWERTRAIN COST: ~10,000€

Electric motor

- Electric motors
- e-transmission

~1,100€

Battery pack & modules

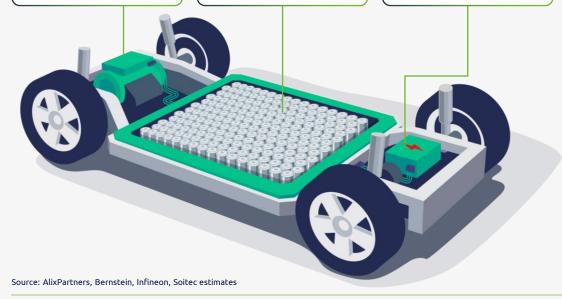
- Battery pack
- Modules and cells
- BMS

~8,000€

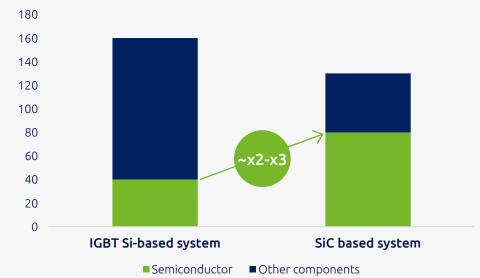
Power electronics

- E-drive / inverter (DC/AC)
- DC/DC Converter
- On-board charger (AC/DC)

~1,500€



TOTAL SYSTEM COST – 15-20% REDUCTION



Shorter charge time 800V

Increase battery range

Reduce system / battery costs

~50% faster

~5% - 10% longer

~\$500-\$1,000









SmartSiCTM



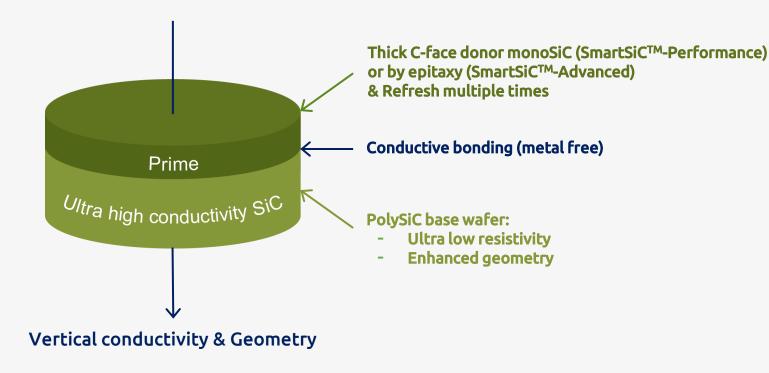






SmartSiC™ SUBSTRATES & VALUE PROPOSITION

SmartSiCTM is a new generation substrate with ultra low resistivity and better usage of monoSiC, benefitting from the re-usability



Reducing Capex & Opex for device manufacturers ~20,000t of CO₂

Energy savings per 500k wafers vs. current SiC technologies

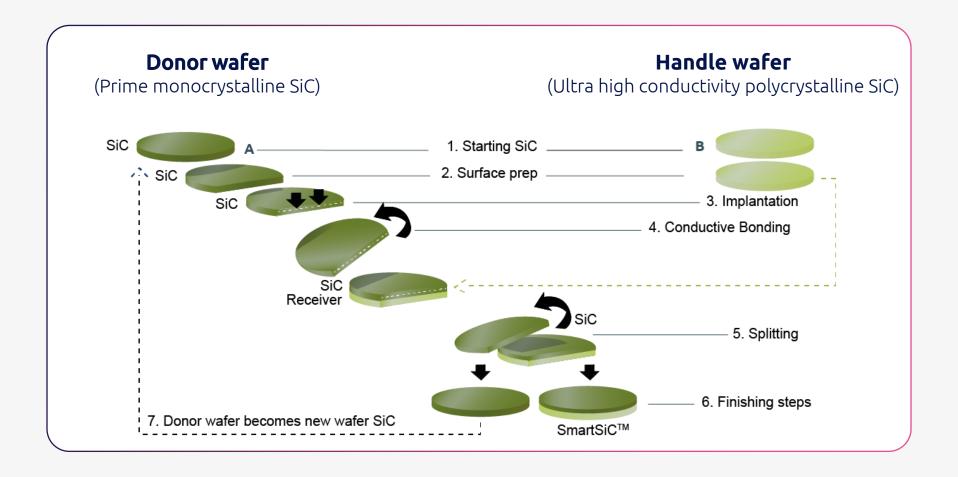




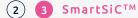


SMART CUTTM PROCESS ADAPTED TO SiC

FULL R&D PILOT LINE RUNNING, ISO 9001 CERTIFICATION GRANTED







PolySiC FOR SmartSiCTM

STRATEGIC PARTNERSHIPS TO STRENGTHEN OUR VALUE PROPOSITION

STRATEGIC PARTNERSHIP



Strategic JDA to develop polySiC substrates designed for the Electric Vehicles market

Scope

- Strategic JDA to develop a new range of polySiC substrates for the EV market
- Soitec and Mersen teams will leverage Soitec's Substrate Innovation Center within CEA-Leti to validate progress towards industrialization

Strategic Rationale

- > Very low electric resistivity polySiC substrates, in conjunction with SmartCutTM technology, will optimize Power / SiC Power components
- polySiC compatible with SmartCutTM technology and customers specs
- polySiC substrates will enable higher energy efficiency, fostering the development of more energy efficient Electric Vehicles

	Traditional SiC Monocrystalline	SmartSic™ Polycrystalline
Cost of ownership	High	Low
Electrical performance	Limited by technology	High, enabling ultra high conductivity

BOLT ON ACQUISITION



State of the art wafering and polishing services for highperformance semiconductors and industrial crystals

Strategic Rationale

- > Unique expertise to bring critical technology acceleration for SmartSiC[™] and internalize polishing capabilities
- → Leverage specific know-how to integrate into global SmartSiCTM differentiation
- > Leverage customer access with leading SiC bulk & device makers
- Opportunity to accelerate cost of ownership reduction roadmap

NOVASIC Business & Operations

- Polishing Services key product: 150mm SiC epitaxy reclaim
- Epitaxy, Wafer dicing, Edge grinding, Laser marking, Wire sawing

High precision **Polishing**

surface preparation

High final surface quality



Improved **RE-USABILITY**

Lower **DIE SIZE**

Flatness through

Higher **YIELD**







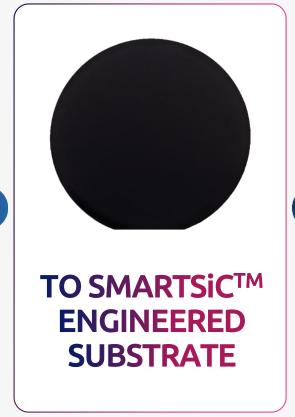




SMARTSiCTM ENGINEERED SUBSTRATES IN 150 & 200mm

SAMPLING AND PROTOTYPING PHASE BEFORE QUALIFYING



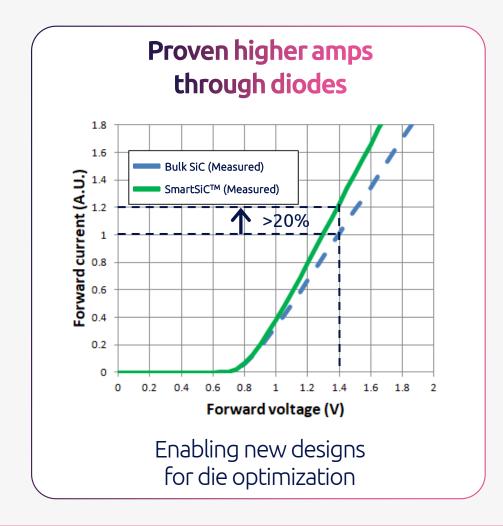


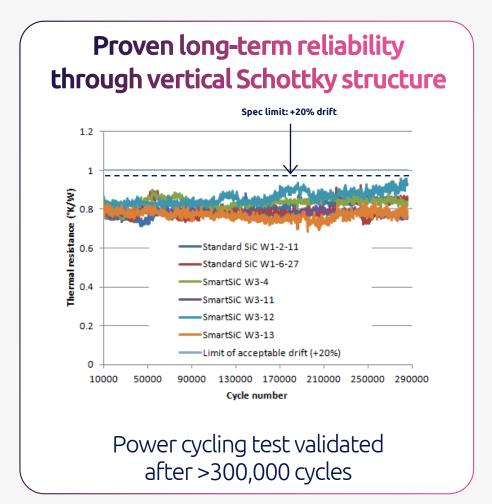






SMARTSiCTM DELIVERS SUPERIOR DEVICE PERFORMANCE

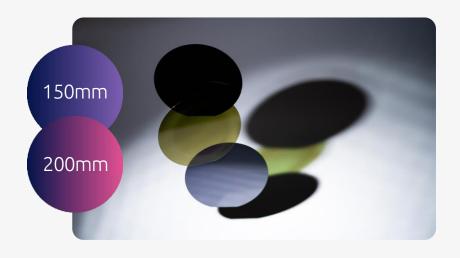








SMARTSICTM ROADMAP



EXISTING AND FUTURE APPLICATIONS

- Traction inverter system (EV's, Railways)
- On-board chargers (EV's)
- DC/DC converter (EV's, Renewables)
- DC/AC Inverters (Renewables, Industry)
- Advanced usage of SiC: Integrated motor drives, solid state breakers...

VALUE PROPOSITION

SmartSiC™ vs SiC: Greener, Faster and Better

- 20,000 Tons of CO2 reduction for each 500,000 wafers vs. SiC
- 200mm scalability to accelerate SiC adoption through 10x re-usability
- Enabling new generation of SiC devices thanks to >7% improvement of resistivity

FAMILY "SMARTSICTM PRODUCT" ROADMAP FROM FY23













