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INVESTOR CONFERENCE AI X CONNECTIVITY POWERED BY ENGINEERED SUBSTRATES

Barcelona | March 2025

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The Company's business operations and financial position are described in the Company's 2023-2024 Universal Registration Document (which notably includes the 2023-2024 Annual Financial Report) which was filed on June 5, 2024 with the French stock market authority (Autorité des Marchés Financiers, or AMF) under number D.23-0482, as well as in the 2024-2025 half-year financial report released on November 20, 2024. The French version of the 2023-2024 Universal Registration Document and the 2024-2025 half-year financial report, together with English courtesy translation for information purposes, 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 2023-2024 Universal Registration Document.

This document contains summary information and should be read in conjunction with the 2023-2024 Universal Registration Document and the 2024-2025 half-year financial 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 2023-2024 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.

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#01 AI x CONNECTIVITY UPGRADING NETWORKS AND DEVICES

#02

AI x CONNECTIVITY SUPPORTING SOITEC EXPANSION

#03 AI x CONNECTIVITY ENHANCED BY ENGINEERED SUBSTRATES

AI X CONNECTIVITY UPGRADING NETWORKS & DEVICES



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1 UPGRADING NETWORKS & DEVICES (2) (3)

CONVERGING THE CONNECTIVITY AND AI REVOLUTIONS



Mobile x Infrastructure x NTN 5G Advanced, Wi-Fi 6/6E/7/8, FWA, NTN for enhanced mobile broadband experience



Next-Gen User Devices On-the-go augmented & virtual reality, wearables / hearables and connected home



Advanced Virtual Assistants Fast, adaptive & simplified complex tasks for greater efficiency



Real-Time processing Capture studio-quality image & break language barriers, even without network



Industry 4.0 Intelligent factories, warehouses, predictive maintenance



Smart City x Transportation Connected, safer, autonomous vehicles paving the way for a sustainable wireless world



Enhanced Security AI at the edge for greater privacy & enhanced data protection



Al-Generated Content Speed up creation, enhance quality, personalize content, and boost productivity



AI x CONNECTIVITY 5G: SUSTAINED GROWTH IN GLOBAL MOBILE DATA TRAFFIC





(1) Fixed Wireless Access

Source: Ericsson Mobility report November 2024



AI x CONNECTIVITY FURTHER BOOSTING MOBILE DATA DEMAND



On-device AI: the new personal assistant

AI smartphones to reach more than 40% of total volumes



Boosting mobile network traffic

Bull case: AI booming coupled with AR glasses adoption

Base case: increased penetration of Edge AI driving steady demand in data

Bear case: AI to offset slight slow-down of traffic growth in developed markets





Driving demand in high-performance RF

To enable greater data processing, lower latency, lower energy consumption, better thermal management and reduced footprint



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AI 2023 2027

Source: Qorvo, Ericsson Mobility report November 2024

THE INTELLIGENCE REVOLUTION MOVING BEYOND THE CONNECTIVITY REVOLUTION



FUTURE APPLICATIONS

AI x CONNECTIVITY MORE FREQUENCY SPECTRA TO ACCOMMODATE AN INCREASING DATA TRAFFIC

Over the last 10 years, mobile data traffic has more than doubled on average every second year





AI x CONNECTIVITY – MOVING TO AN ALL-CONNECTED WORLD



Source: Qualcomm, Ericsson



AI x CONNECTIVITY – ENHANCING Wi-Fi PERFORMANCE ENABLING GREATER USER EXPERIENCES

Wi-Fi 6 / 6E / 7 pave the way for new wireless connectivity Wi-Fi 8 is on the way

Driving innovation to enhance wireless connectivity for new experiences and extended range

Wi-Fi 8 Wi-Fi 9 Wi-Fi 2 Nutra-low latency

Wi-Fi 7 7 Normal Strength Stre

Adding 1GHz spectrum in the 6GHz band for higher quality of service (QoS) and secured connectivity

2026

2027

2028

2029

2030 +

Wi-Fi

High-speed connectivity technology in 2.4GHz and 5GHz bands for **smartphone**, laptop, home, consolidating its place in smart home, wearables and automotive

2025

2024



Source: Soitec estimates





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Wi-Fi FRONT-END-MODULE SEMICONDUCTOR MARKET



AI X CONNECTIVITY SUPPORTING SOITEC EXPANSION





Source: Soitec





Source: Soitec



RF-SOI VALUE CHAIN INVENTORIES COMING DOWN



MOBILE COMMUNICATIONS DIVISION GROWTH DRIVERS EXPANDING PRODUCT PORTFOLIO AND APPLICATIONS TO DELIVER LOW TEENS CAGR



INNOVATION TO SUPPORT CONTENT GROWTH AND VALUE CREATION



Enabling new technology differentiation for our customers

AI & ML 5G NR-U (6GHz) 5G FR3 (10-20GHz) Wi-Fi 7 UWB NTN 3GPP & proprietary sub-6GHz & mmWave

(3)

3D-stacking Footprint optimization (die shrink) Technology scaling (higher frequencies)

Foundry yield improvement Advanced RF Performances Form factor: increasing foldable phone market share leads to increasing antenna integration challenges

Enabling

new devices

New devices (smart glasses, wearables) requiring optimized footprint



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NEW PRODUCT INTRODUCTION TO STRENGTHEN LEADERSHIP SUPPORTING RF-SOI SEGMENT SHARE IMPROVEMENT



GlobalFoundries' advanced 9SW platform to use Soitec's latest generation of 300mm RF-SOI wafers

"This collaboration with Soitec shows our commitment to ensure a continuous supply of high-performance RF-SOI solutions that meet our customers' fast evolving needs"

UMC

Soitec extends partnership with UMC to provide leading engineered substrates for industry's first 3D IC solution for RF-SOI

"Leveraging our strong partnership with Soitec, UMC's innovative 3D IC solution for RF-SOI has generated significant interest from customers as they seek to integrate more RF components in 5G-enabled wireless devices"



Tower Semiconductor sets a new RF-SOI standard with Broadcom's Wi-Fi RFFE modules for next-gen mobile applications

"The unique advantages of Tower's RF-SOI technology have enabled Broadcom to design and bring to market a set of compact, high-performance FEMs for Wi-Fi 7 mobile applications"



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FIXED WIRELESS ACCESS – ENABLING FIBER TO THE HOME



FIXED WIRELESS ACCESS CPE FRONT-END-MODULE WAFER MARKET







(3)



Note: 8" equivalent CPE: Customer Premises Equipment

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Wi-Fi 7/8 – TRANSITION TO FASTER CONNECTIVITY



Wi-Fi 6

Wi-Fi 8

Wi-Fi7

2030 2023

(3) MOBILE COMMUNICATIONS GROWTH DRIVERS

(1)

2

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Wi-Fi 7/8 – FRONT END MODULE TRANSITION UNLEASHING WI-FI FULL POTENTIAL WITH HIGHER CONTENT





IRELESS CONNECTIVITY IN AUTOMOTIVE

Source: Soitec

(1)

2 MOBILE COMMUNICATIONS GROWTH D



INFOTAINMENT in-vehicle

Internet services Hands free voice Navigation system Screen mirroring OTA Update | Internet access Vehicle location | Fleet utilization Optimum routing | Media services

TELEMATICS

cloud \leftrightarrow vehicle

satellite \leftrightarrow vehicle



V2x

Dynamic traffic signageDriver assistanceConnection to homeRemote controlPedestrian warningKeyless access

Mono-crystal Top Silicon Burled Oxide Trap Rich Layer High Resistivity Silicon

3

RF-SOI Extended High performance RFFE for connectivity, C-V2X & 5G in automotive

FD-SOI Extensive SoC solution

from connectivity to

MCU/PMU edge computing

Ultra-thin Mono-crystal Top Silicon Ultra-thin Buried Oxide Base Silicon

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NEXT GENERATION OF CONNECTED DEVICES RELIABLE, HIGH-BANDWIDTH & LOW-LATENCY CONNECTIVITY



APPLICATIONS EVOLVE TO BENEFIT FROM IMPROVED 5G ADVANCED TECHNOLOGY









Source: Navian, 2024 (up to 2027) and Soitec consolidation >2027



WIRELESS CONNECTIVITY IN SMART DEVICES ENABLING WIRELESS FUNCTIONALITIES AT LOW POWER CONSUMPTION



POWER EFFICIENT WIRELESS SOLUTIONS SUPPORTING A WIDE RANGE OF APPLICATIONS



BATTERY POWER

INTEGRATION FROM SOC

SIGNAL INTEGRITY WITH

MULTI CONNECTIVITY

SAVINGS

TO MODULE

PROTOCOLS

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CONNECTIVITY WIRELESS SMART DEVICES



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NON-TERRESTRIAL NETWORK (NTN) CONNECTIVITY

5G MOBILE



New NTN bands standardized by 3GPP



Standard mobile phone with RFFE hardware add-on



Soitec Connect products as part of **RFFE** solution





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CUSTOMER PREMISES EQUIPMENT NON-TERRESTRIAL NETWORKS



MOBILE COMMUNICATIONS DIVISION GROWTH DRIVERS

MOBILE COMMUNICATIONS	CURRENT STATUS & SHORT-TERM DYNAMICS	MID & LONG-TERM AMBITIONS
	SMARTPHONE MARKET TO GROW LOW-SINGLE DIGIT IN 2025 & 2026 5G TO CONTINUE TO INCREASE MODESTLY (~HIGH 60% CURRENTLY) Wi-Fi 6/6E PENETRATION TO EXCEED 60% IN 2025	5G & Wi-Fi TO PROGRESS STEADILY – 6G TO ENTER MARKET ~2030 CONTENT GROWTH DRIVEN BY SMARTPHONE PREMIUMIZATION EDGE AI FEATURES TO SUPPORT SMARTPHONE REPLACEMENT CYCLE
RF-SOI	Reference substrate for smartphone RF FEM (LNAs, Tuners, Switches) Customer inventories to go further down in 2025 New discussions around multi-year contracts Strong leadership, ongoing transition to new products (9SW 300mm)	> 90% Penetration in LNAs, Tuners & Switches Diversification into new 5G advanced & connectivity applications beyond mobile (IoT, Wearables, Satellite Communications, Automotive)
FD-SOI	Only solution for fully integrated 5G mmWave system-on-chip Early adoption for mmWave system-on-chip and envelope trackers Key foundries design wins on FD-SOI platform for mmWave modules	Mainstream technology for mmWave system-on-chip, Ultra Wide Band, Satellite Communications Growing number of mmWave applications
POI	SAW-on-POI can operate across the entire frequency spectrum 10 customers in volume production, 13 prospects in qualification Engaged with all Key US Fabless New design wins supporting more filter integration in PAMid modules	Adoption by all Tier #1 Fabless for premium and mid-tier smartphones, from low band to mid-high band Addressable market growth through product portfolio expansion



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AI X CONNECTIVITY ENHANCED BY ENGINEERED SUBSTRATES



SOITEC PRODUCT PORTFOLIO ENABLES BEST-IN-CLASS CONNECTIVITY A COMPREHENSIVE OFFER FOR Sub-6GHz & mmWave FRONT-END MODULES









CONNECT RF-SOI Connect RF-SOI embedded in 100% of 5G smartphones

CONNECT RF-SOI EXPANDING LEADERSHIP INTO NEW 5G VERTICALS





(1)



Automotive & Industry 4.0



AR/VR













CONNECT FD-SOI FD-SOI for mmWave endorsed by major smartphone OEMs

Google Pixel

Fold

Google Pixel 6

Google Pixel 6 Pro







Sources: Samsung, Google



CONNECT FD-SOI EXPANDING REACH, MAXIMIZING IMPACT



1 2 3 PRODUCT PORTFOLIO

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CONNECT POI POI for advanced RF filters penetrating main OEMs





CONNECT POI WHY CONNECT POI?





CONNECT POI STRONG VALUE FOUNDATION FOR MARKET EXPANSION

POI customer testimony

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Tier #1 US: a **"Performance play"** Tier #1 US: Soitec POI perform **"better than TC-SAW"** Tier #1 US: **"better Qmax than equivalent BAW technology"** Tier#2 China: Soitec POI is **considered as a "reference"**





Google Pixel 9 integrates POI from Qorvo & Skyworks LEADING RF FILTER MANUFACTURERS INTEGRATE SOITEC POI TECHNOLOGY

The trend towards using multilayer SAW filters is occurring in flagship smartphones like the Google Pixel 9. Yole Group has identified **piezoelectric on insulator (POI) SAW filters in the Google Pixel 9 smartphone supplied by Qorvo and Skyworks**.

Source: Yole, Google

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CONNECT RF-GaN





MOBILE COMMUNICATIONS RFFE – ADDRESSING TOMORROW'S CHALLENGES TRENDS TOWARDS 2030





ANYTHING-ON-ANYTHING – SOITEC INNOVATION DNA EXPANDING PRODUCT PORTFOLIO TO EMPOWER BEST-IN-CLASS CONNECTIVITY





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AI X CONNECTIVITY POWERED BY ENGINEERED SUBSTRATES THANK YOU



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GLOSSARY

4G LAA	4G License Assisted Access	
4G LTE	4G Long-Term Evolution	
5G NR-U	5G New Radio Unlicensed	
AiP	Antenna-in-Package	
BAW	Bulk Acoustic Wave	
CPE	Customer Premises Equipment	
FTTX	Fiber-to-Anything	
FWA	Fixed Wireless Access	
IPD	Integrated Passive Devices	
LB	Low Band	
LNA	Low Noise Amplifier	
LTCC	Low Temperature Co-fired Ceram	
MCU	Microcontroller Unit	
MHB	Mid-High Band	
NTN	Non-Terrestrial Network	
RFFE	RF Front-End	
SAW	Surface Acoustic Wave	
SoC	System-on-Chip	
TC-BAW	Temperature Compensated BAW	
UHB	Ultra-High band	
UWB	Ultra-Wide band	
V2x	Vehicle-to-Everything	