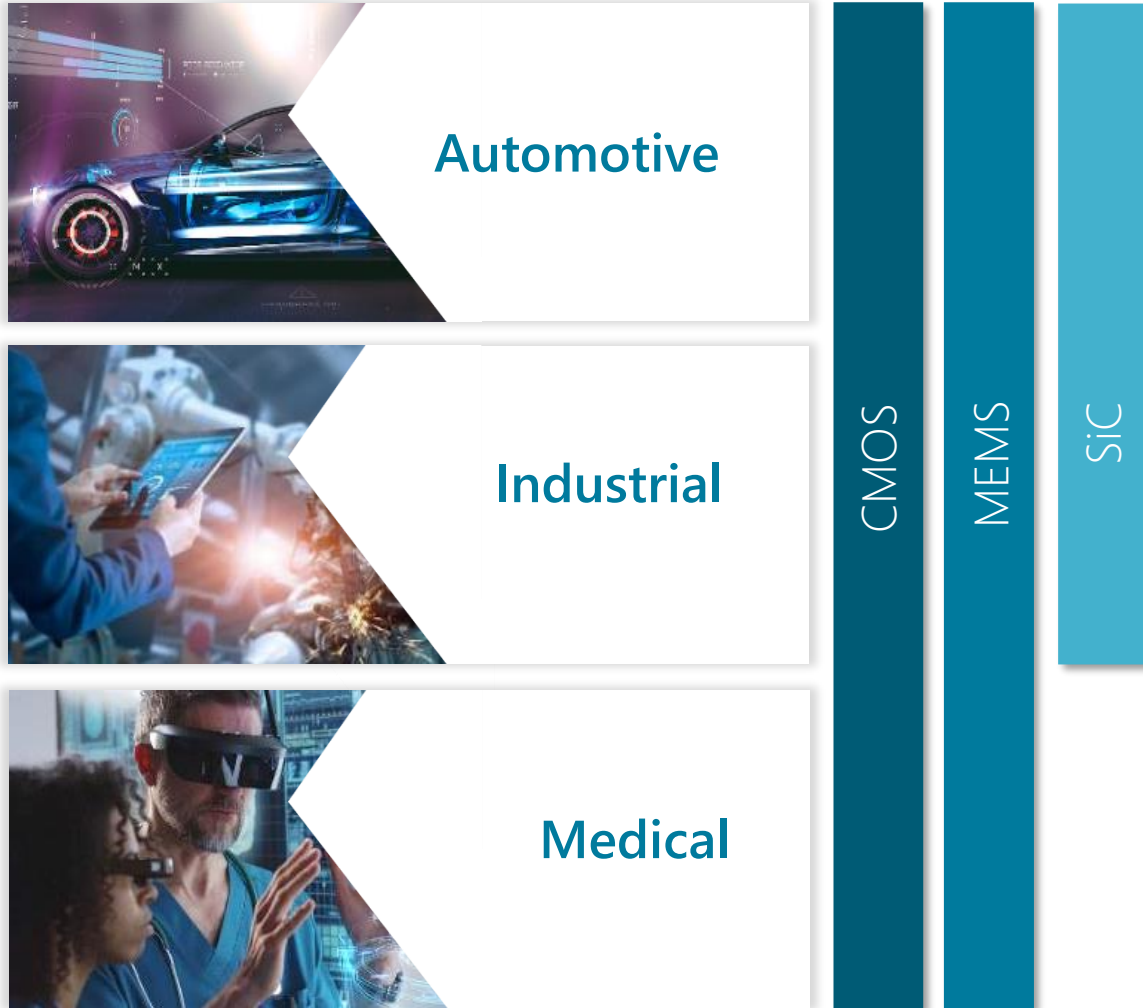




X-FAB – serving the fastest growing markets

Luigi Di Capua | VP Product Marketing

Our technologies for the fastest growing markets



Automotive is the foundation of our business

We leverage technologies developed for the automotive industry and apply them to the medical and industrial markets

Our DNA is and has always been automotive

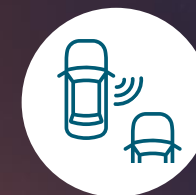
7A
58% of total X-FAB revenue in Q1 2023



Growth drivers



Electrification



Safety

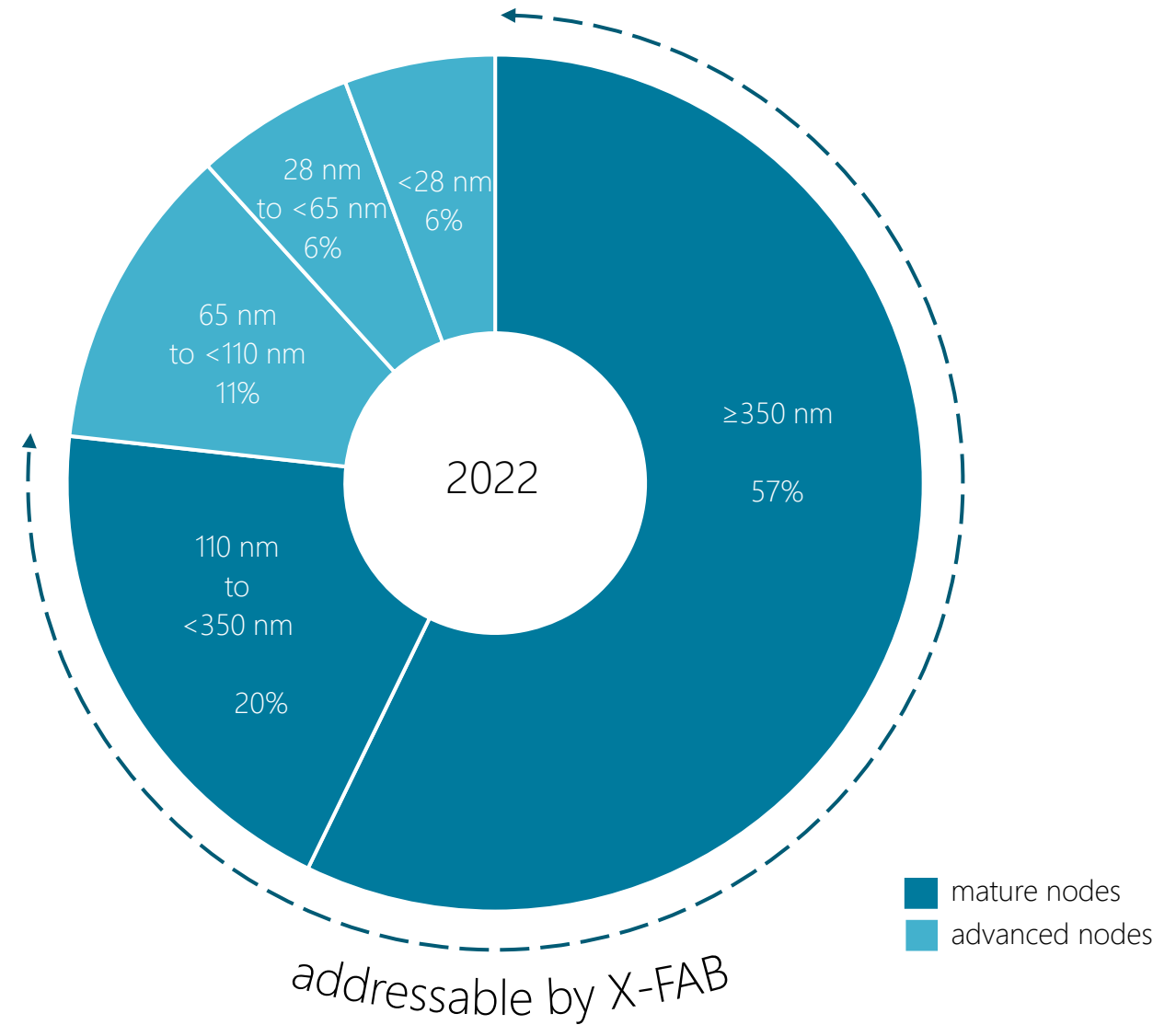


Comfort
& convenience

In the sweet spot for automotive semiconductors

Automotive semiconductors continue to rely on mature nodes

Our rich technology portfolio ranging from 110 nm to 1 μm can address more than **75% of automotive wafer TAM**



Our solutions for sensing, actuating and powering



Comfort & convenience

- Window & door control
- Intelligent key systems
- Climate control
- Seat control
- Mirror & wiper control
- Adaptive cruise control
- Interior lighting



In-vehicle network

- CAN/LIN Transceiver
- Ethernet
- Safe-by-wire
- In-car data bus



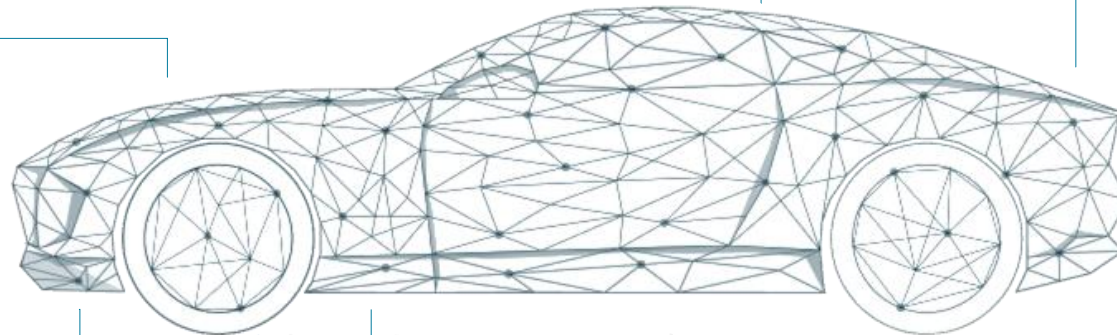
Power train

- Inverter
- On-board charger
- Battery management system
- DC/DC converter
- ICE control



Electronic system

- Alternator
- LV battery & starter
- Lighting
- Diagnostics
- ICE control



Infotainment

- Touchscreen
- Gesture control



Chassis

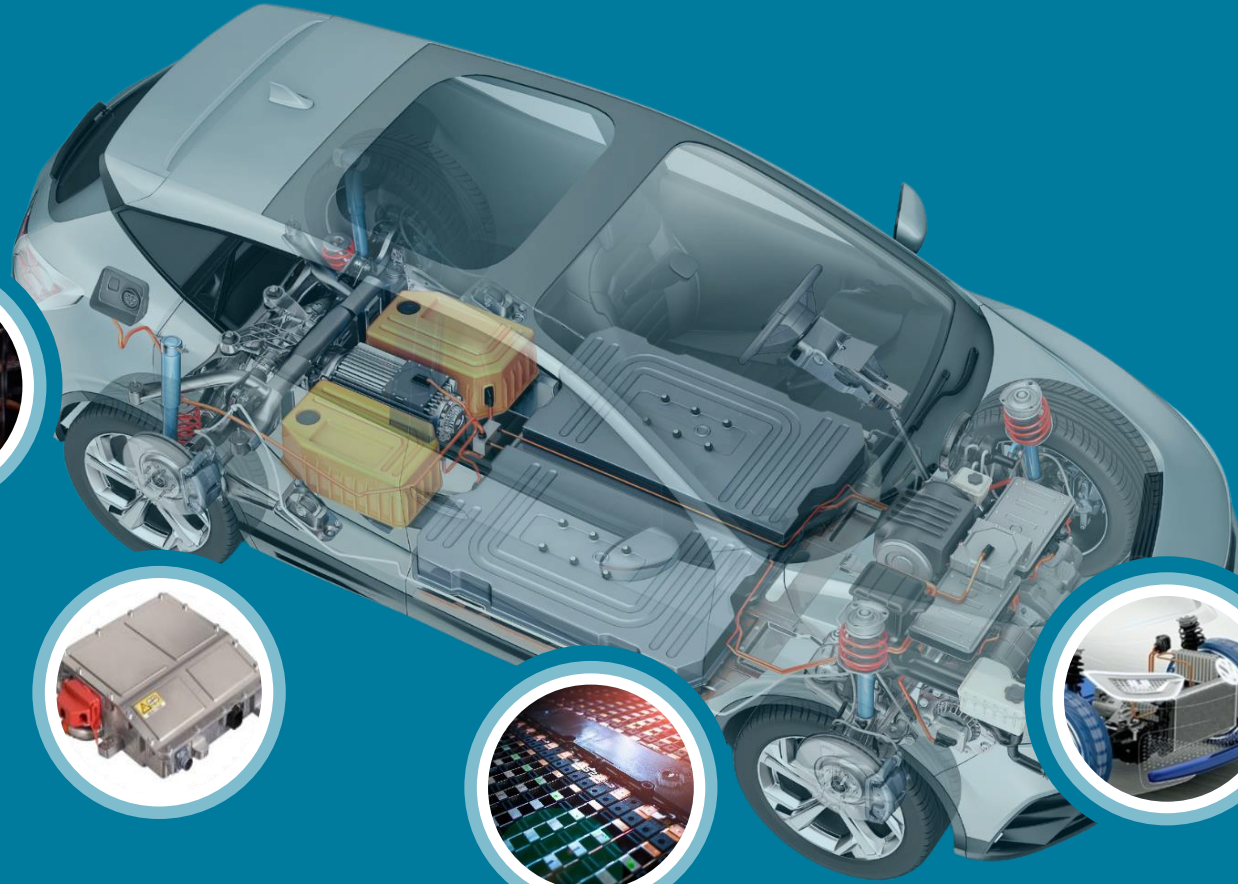
- Steering
- Brake/ABS
- Traction control
- Suspension
- Alarm
- Chassis control



Safety & assistance

- Airbags
- TPMS
- Collision warning
- Lane assistant
- Parking assistant

We support the shift to Electric Vehicles (EV)



Up to **180** chips
made by X-FAB in
current high-end
EV

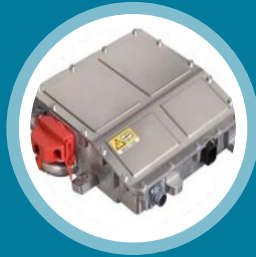
On-board charger

SiC
BCD-on-SOI,
galvanic isolation



DC/DC converter

SiC,
BCD-on-SOI,



Battery management

BCD-on-SOI,
galvanic isolation



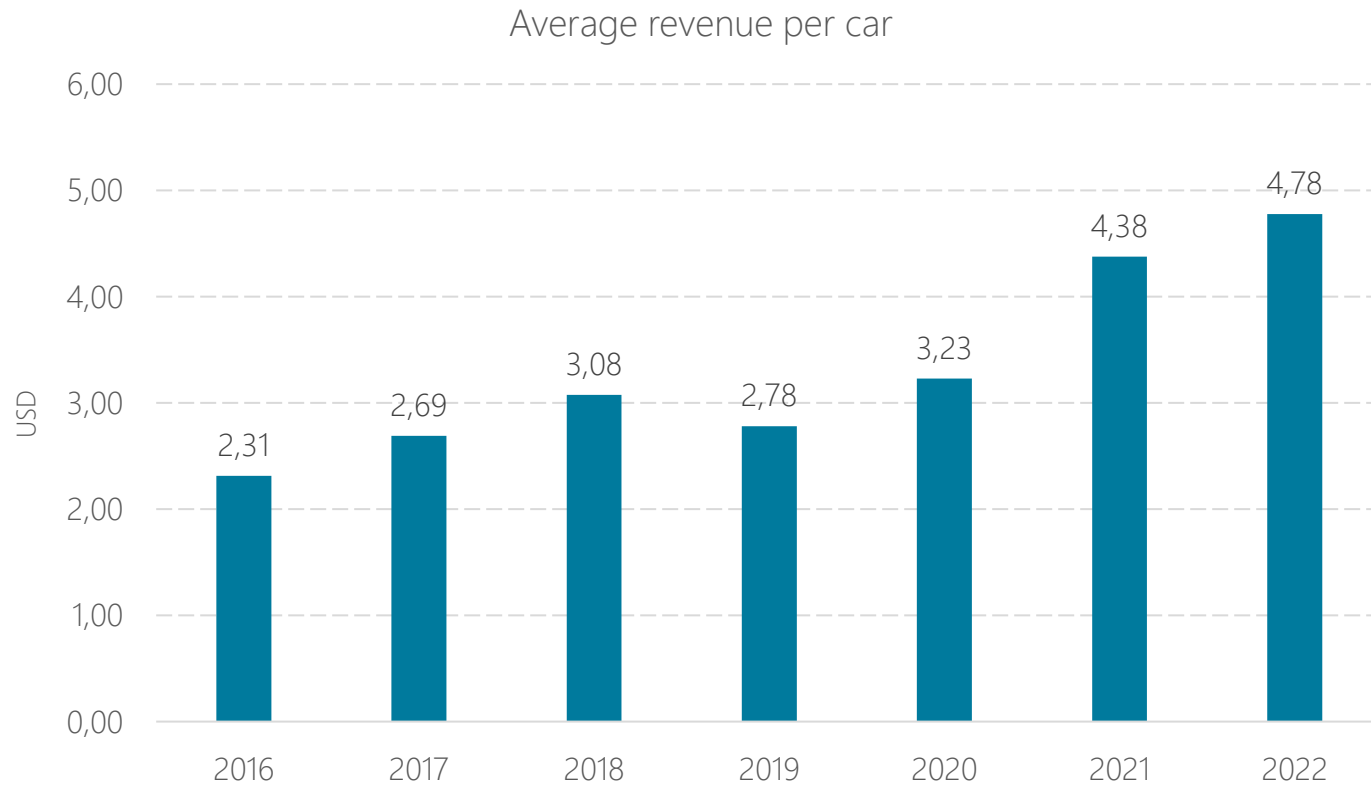
Traction inverter

SiC,
BCD-on-SOI,
galvanic isolation



Average revenue per car

Our average revenue per car has more than doubled in 6 years.



x2 growth

Medical – sensing, analyzing, monitoring

Wide array of applications driven by 3 growth pillars:

personal medical devices, medical equipment and lab-on-a-chip



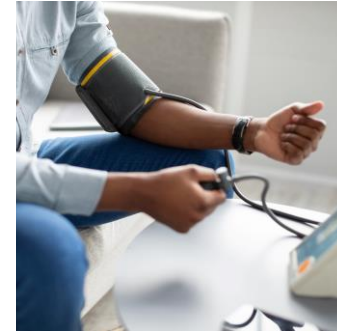
Pacemaker



Cochlear implant



Contactless thermometer



Blood pressure monitor



Inhalers



Medical ultrasound



Radiography



CT scanner



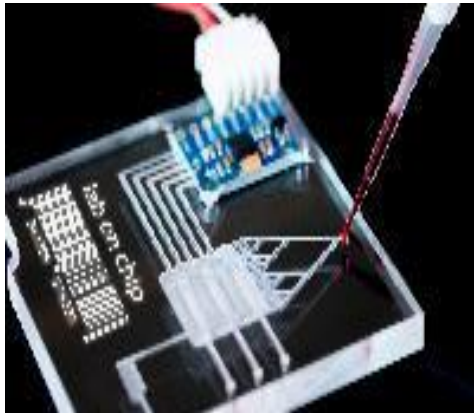
DNA sequencer



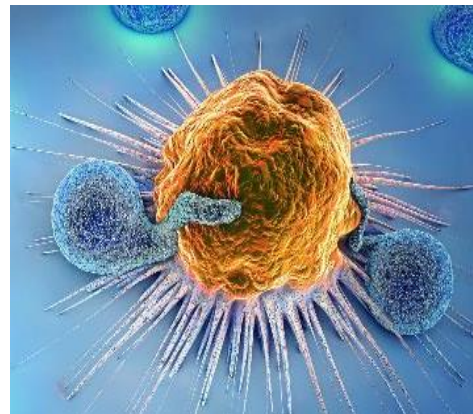
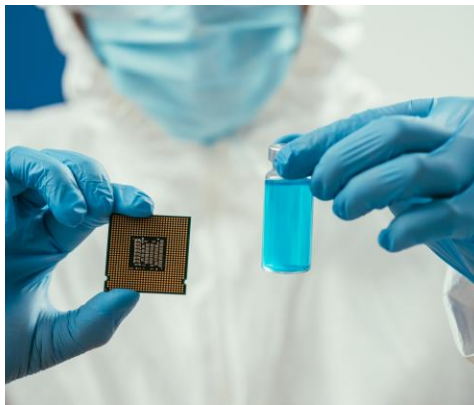
Drug development

Our CMOS & MEMS capabilities enable leading-edge solutions for lab-on-a-chip

Connecting the two worlds of microelectronics and microfluidics



Fast, accurate and non-invasive lab-on-a-chip solutions



X-FAB performance

CAGR 33%¹

2022 Revenue
32% of X-FAB's
medical revenue

Lab-on-a-chip market performance

CAGR 11%²

¹ Lab-on-a-chip CAGR 2018-2022, X-FAB ² Lab-on-a-chip CAGR 2022-2030, Precedence Research

Industrial end applications enabled by X-FAB

Supporting 4 global trends:

smart cities, smart buildings, smart manufacturing and sustainable energy



Thermal camera



Robotics/cobots



Machine to machine communication



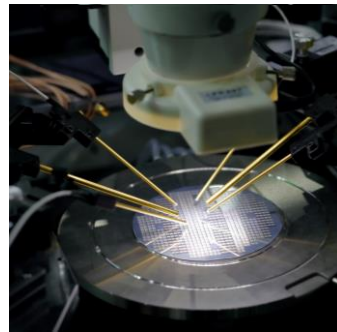
Smart home



Transportation



Industrial power supply



Automated test equipment



Residential energy storage



Renewable energy generation



Safety

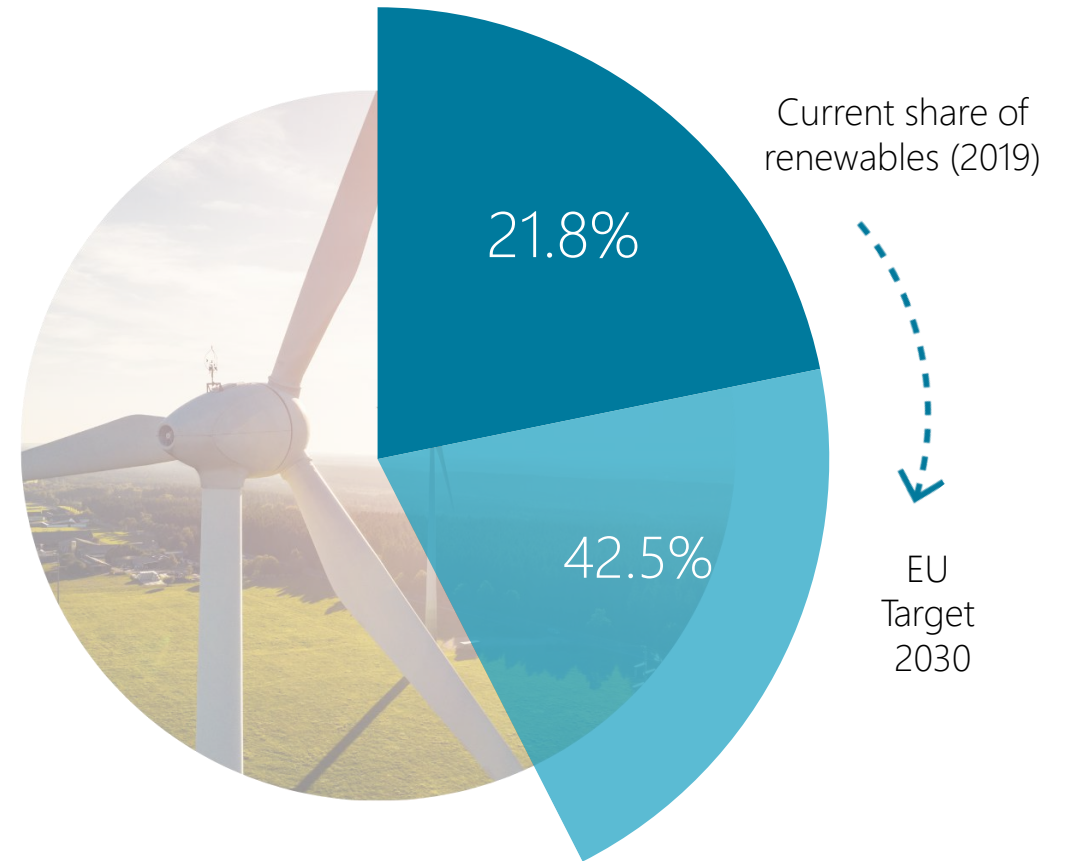
We support the increasing demand for renewable energy

Towards a more sustainable future

The transition to renewable energy, efficient energy conversion and storage is driving the adoption of SiC technologies.

SiC greatly improves the power conversion efficiency and contributes to the carbon footprint reduction.

SiC in renewables: 19% CAGR 2021-2026 ¹



Share of renewables in Europe ²

Confirming our strategic focus for future growth



Mobility

Strengthening our #1 position as automotive pure-play foundry



Healthcare

Becoming the foundry of choice for medical



Energy

Supporting the transition to green energy

xfab

Thank you.

     xfab.com