

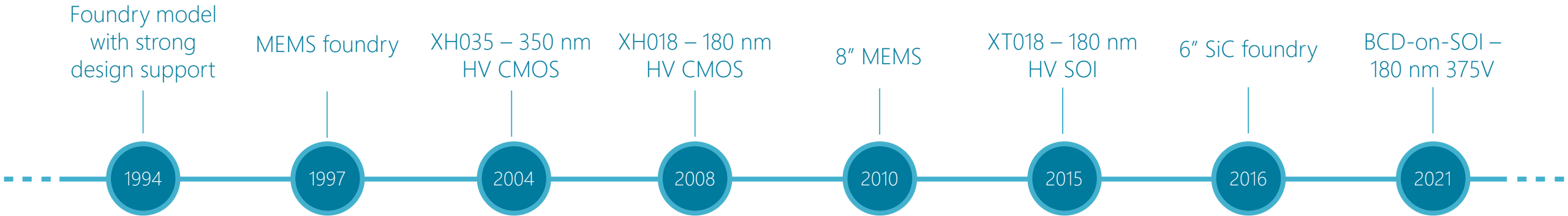


# Technology leadership drives growth

Jörg Doblaski | CTO

# Technology leadership drives growth

For more than 30 years, we provide technologies and solutions which are unique in the foundry industry



These technologies drive our growth today and in future.

# Technology leadership drives growth

This success story continues with our new XT011 technology platform



2023

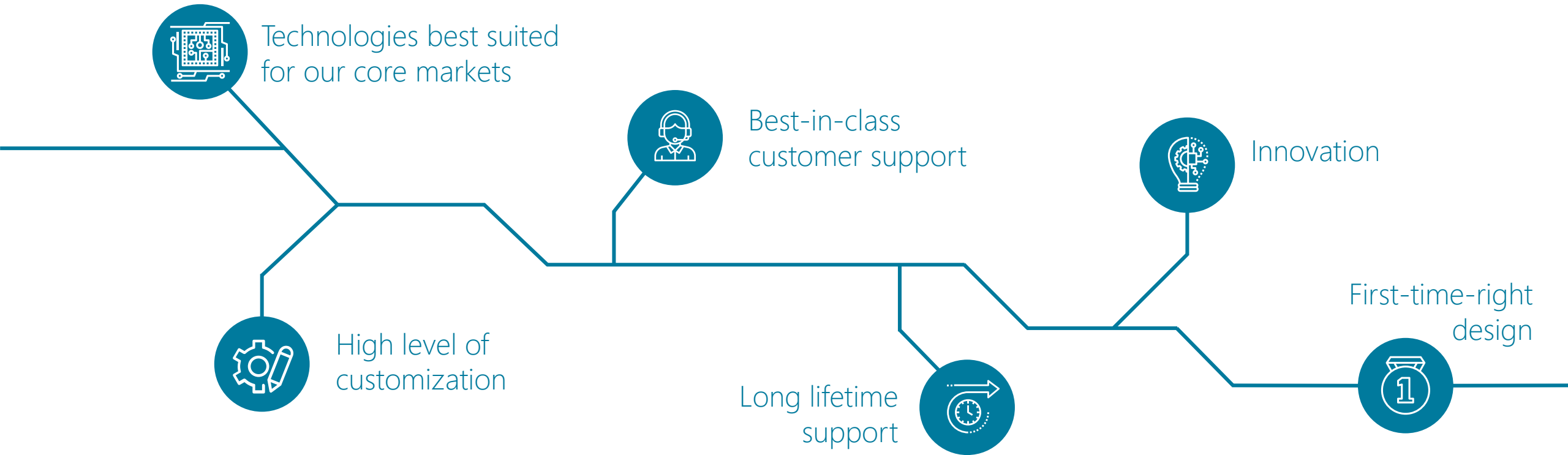
XT011 – 110 nm  
BCD-on-SOI

## Releasing XT011

Our platform for next generation automotive

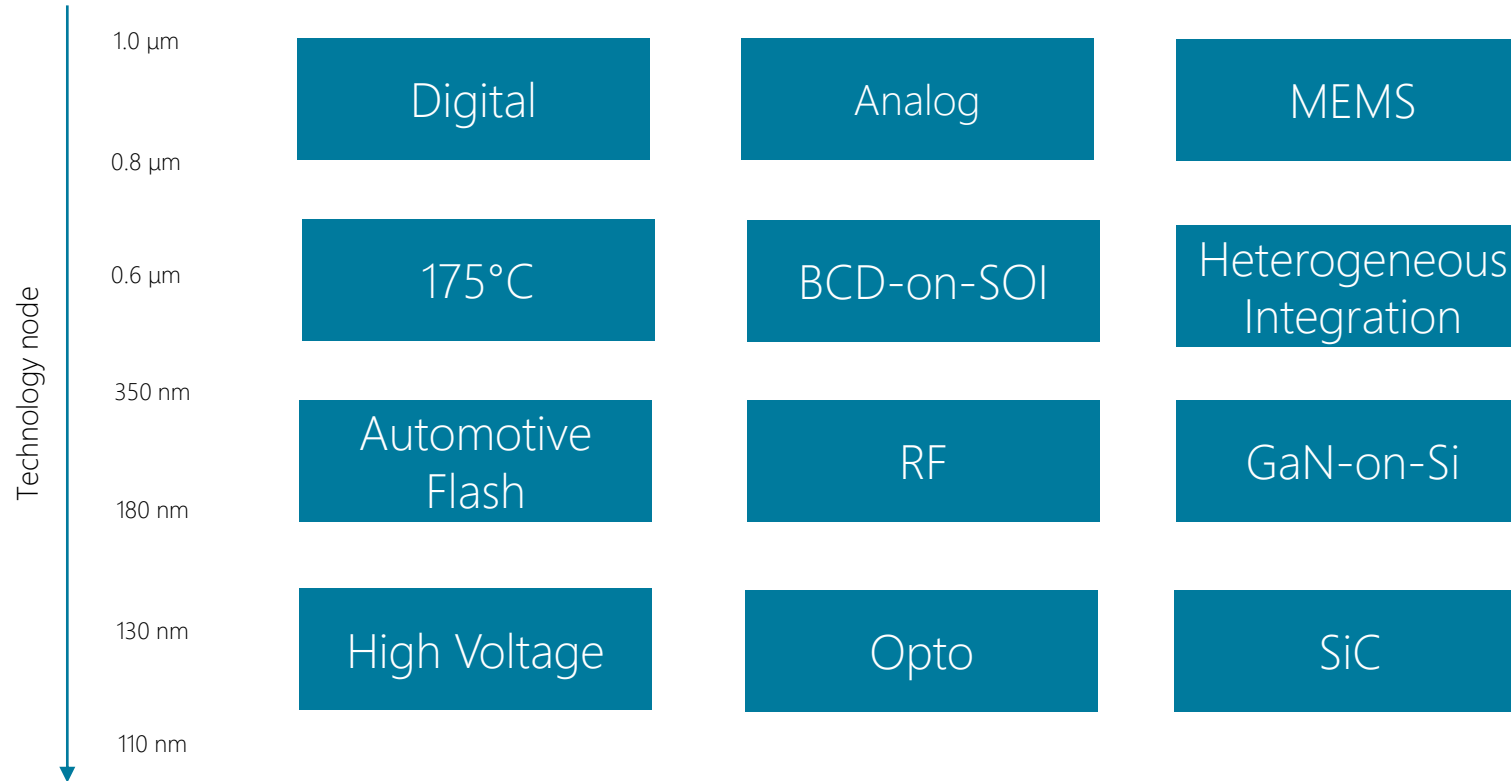
# Our value proposition

Our proven business model enables continuous growth and long-term success in automotive, industrial and medical markets



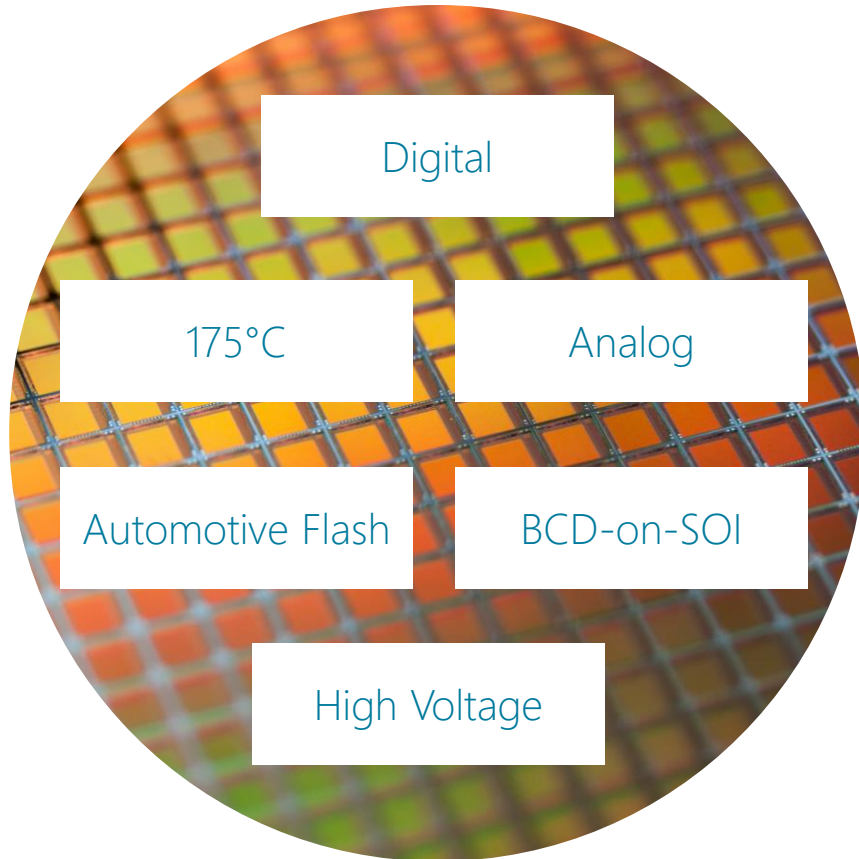
# Technologies best suited for AIM

We offer the best technology match for automotive, industrial and medical applications among all pure-play foundries



# Technologies best suited for our core markets

We offer the best technology match for automotive, industrial and medical applications among all pure-play foundries

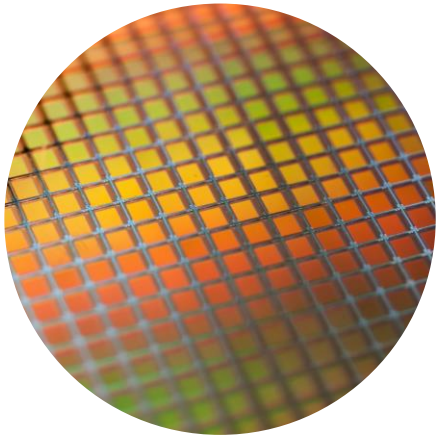


## Modular CMOS and SOI processes

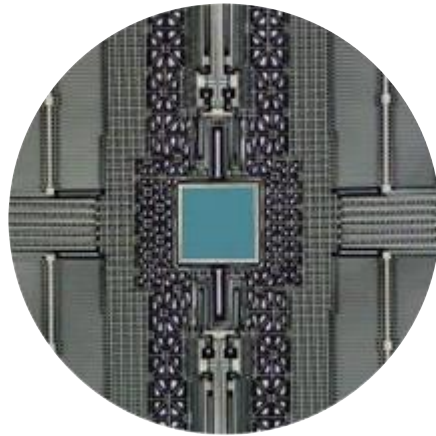
- > Digital, analog, HV and NVM on one wafer
- > Supporting AEC-Q100 requirements
- > Unique offering in the foundry industry

# Technologies best suited for our core markets

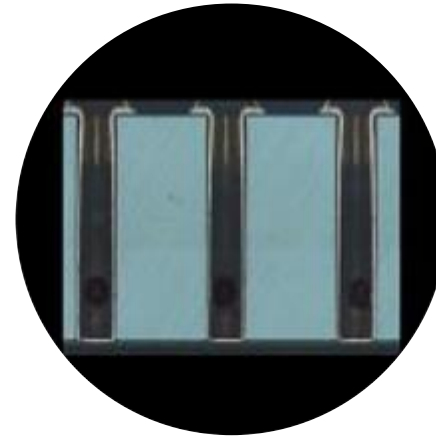
We offer the best technology match for automotive, industrial and medical applications among all pure-play foundries



CMOS & SOI



MEMS



Heterogeneous  
integration

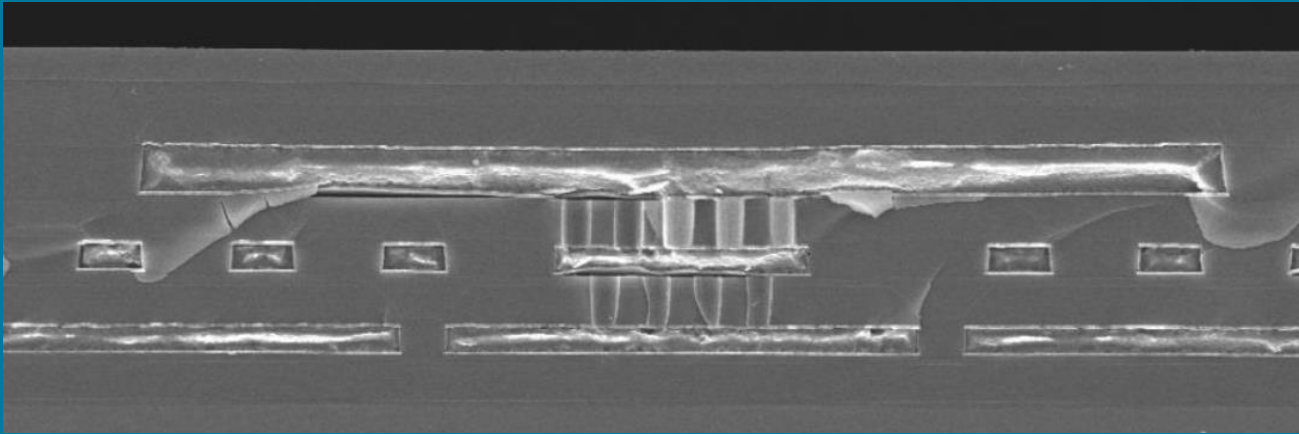


SiC & GaN

# High level of customization

Our ability to support customer-specific requirements unlocks highly attractive business

Example: Super-flat passivation



Key enabler for

- > heterogeneous integration
- > bio-compatible surface layers for medical applications

Customers ask us "Can you do it?" instead of "How much does it cost?"



# We set the benchmark in customer support

Best quality design kits

Robust design flow

24/7 expert hotline

Largest IP offering

Reference kits

Rigorous quality assurance

Customer intimacy

Design reviews

Accurate modeling

Highly reliable manufacturing support

Application experts

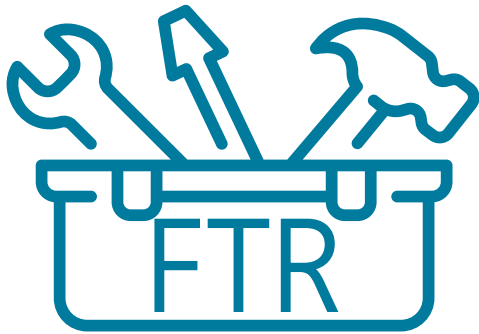
>400 active customers

>1,000 tape outs per year

>2,000 X-FAB memory blocks included

# First-time-right design

We are the only foundry to offer a holistic solution to tackle automotive design challenges and support first-time-right automotive designs!

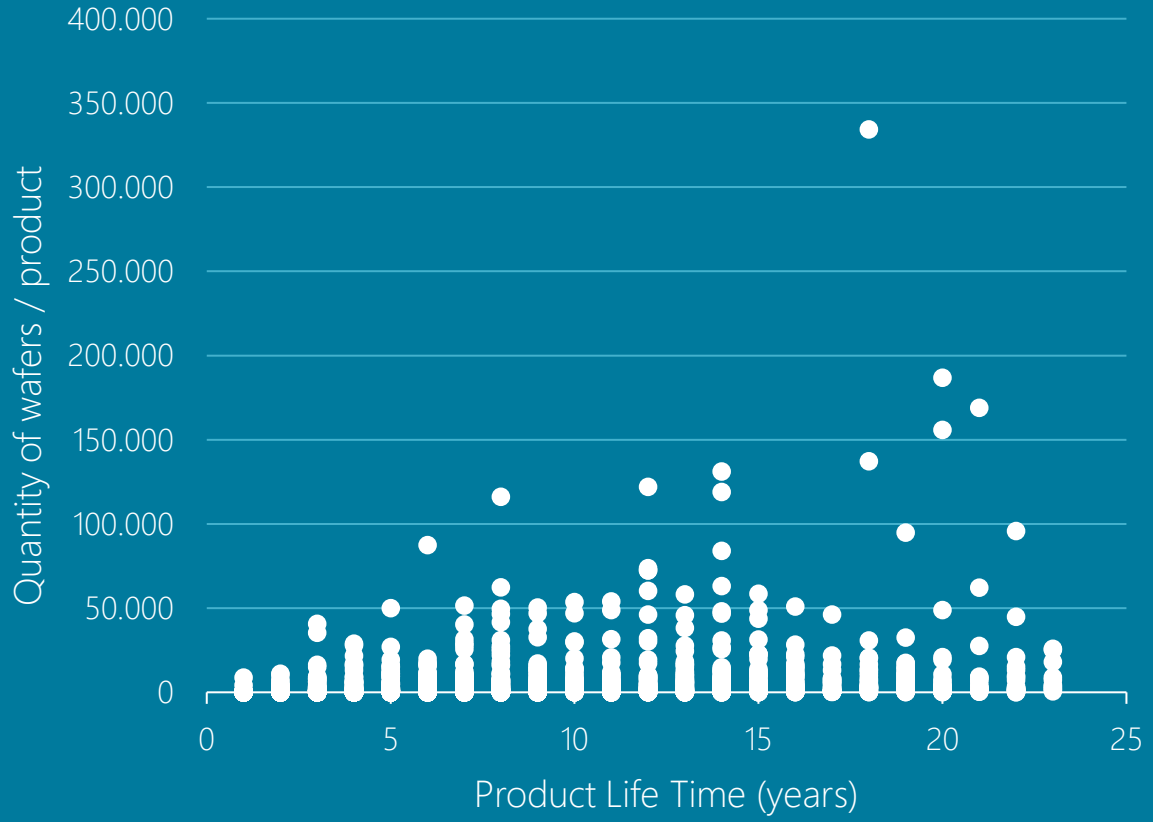


A win-win for our customers and for us.

- > De-risked development
- > Lower development cost
- > Improved time-to-market
- > Competitive advantage
- > Resources freed up
- > Earlier production ramp

# Long lifetime support

We have the know-how to maintain a stable, high-yield production over more than 20 years



12.1 years average product lifetime

> 20 years of production for many products

> 25 years of stable production in several technologies

# XT011 – our next growth driver

Feature-rich 110 nm platform with embedded NVM and high voltage

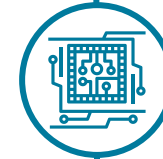
CMOS backbone of many customer-specific solutions

Full-feature design support including design IP

Perfect match for Automotive, Industrial and Medical applications

First 110 nm BCD-on-SOI foundry process with HV and NVM

Support for first-time-right design even before process release



Rich technology portfolio



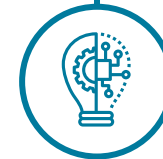
High level of customization



Best-in-class customer support



Long lifetime support



Innovation



First-time-right

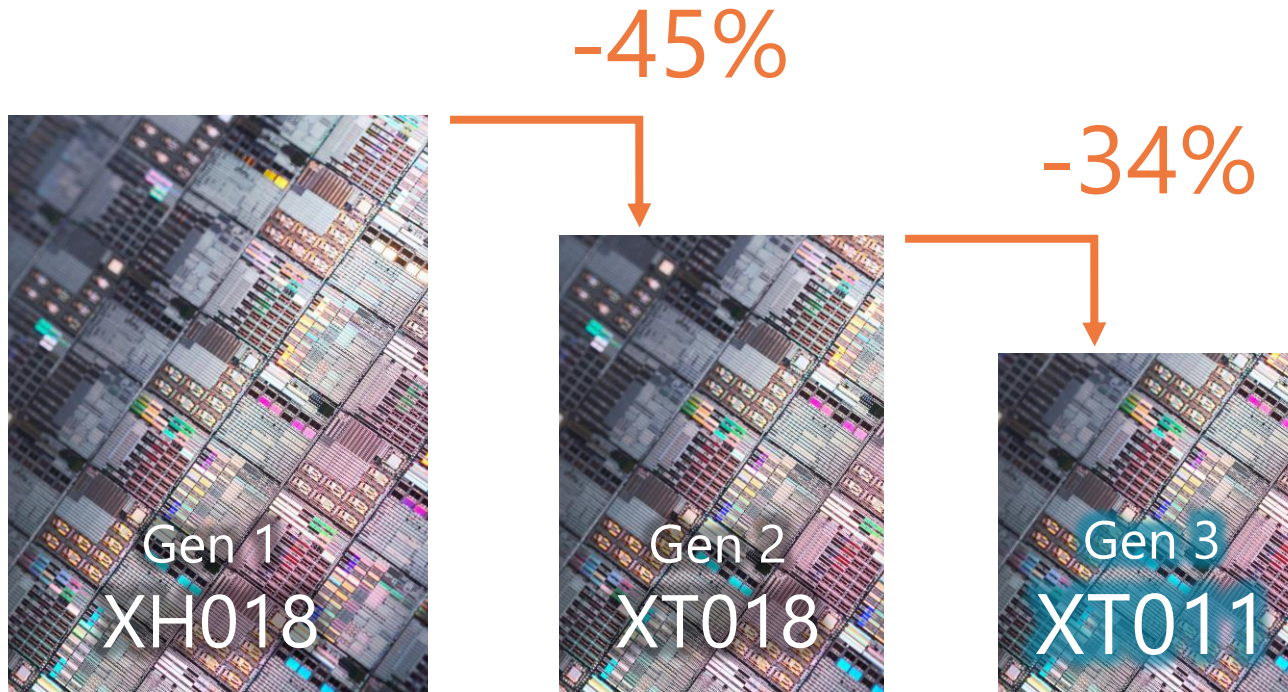
“The unique synergy of analog/mixed signal functions with fully automotive high voltage-compliant eFlash- and EEPROM-memories based on a state-of-the-art SOI platform makes X-FAB’s new 110 nm XT011 technology the perfect match for our next generation of IC products.

The high-quality PDK and XFAB’s best-in-class support were key success factors to reach our first-time-right IC design in this technology!”

Karl-Ulrich Stahl, Senior Program Manager at Melexis

# XT011 – our next growth driver

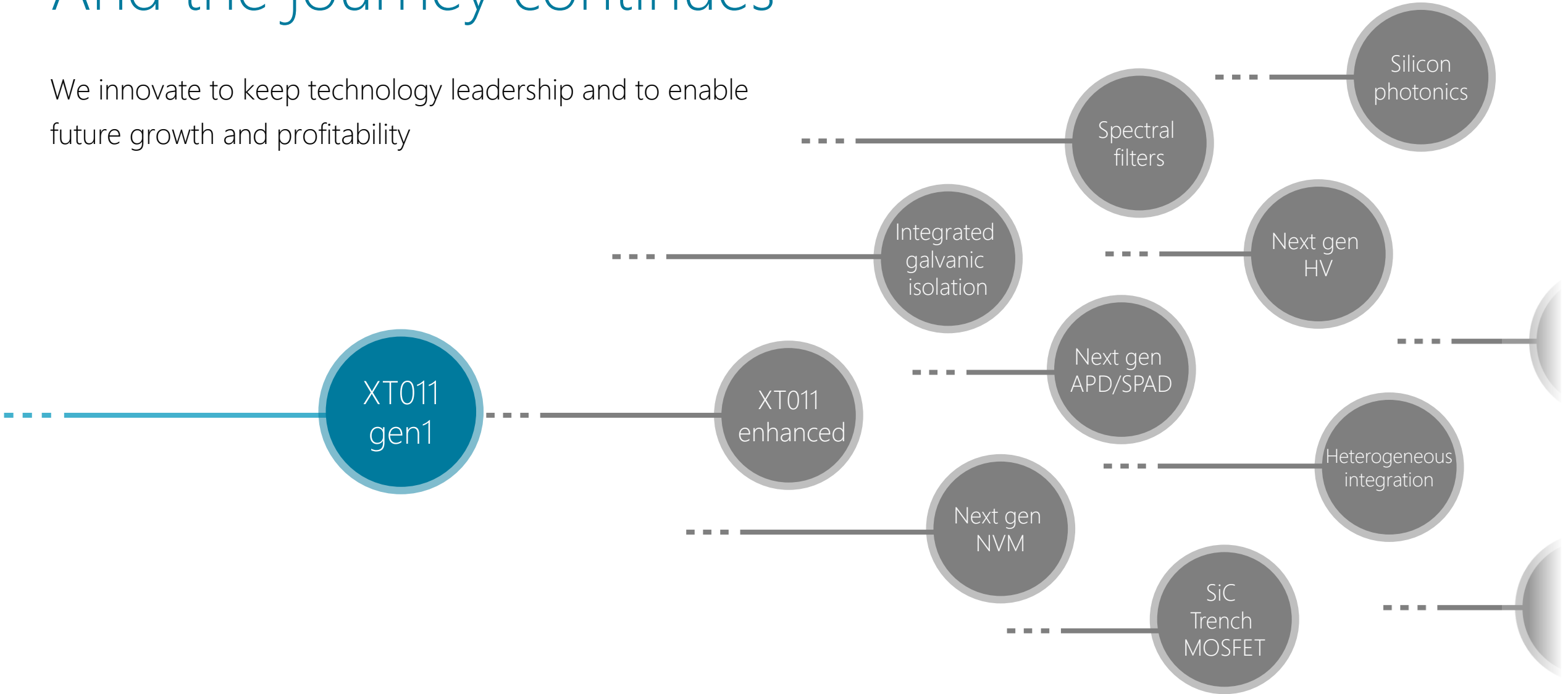
Next generation automotive-grade BCD-on-SOI process for high digital content applications



Up to **50%**  
area saving vs. XT018

# And the journey continues

We innovate to keep technology leadership and to enable future growth and profitability



xfab

Thank you.

     [xfab.com](http://xfab.com)