

5G-SUB-6GHZ

DESIGNER & MANUFACTURER OF  
**INNOVATIVE  
SEMICONDUCTOR  
MATERIAL**

CONNECT POI

SUSTAINABILITY

RELIABLE SUPPLY



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**soitec**

IN OUR SOIL GROWS AN AMAZING FUTURE

# About us



## NUMBER ONE

World-largest manufacturer of engineered substrates



## GLOBAL PRESENCE

With more than 2,000 employees worldwide



## MULTI-SITE

France, Belgium, Singapore & China  
*Piezo on Insulator (POI) is made in France*



## DEFINING NEW INDUSTRY STANDARDS

In Mobile Connectivity, Automotive & Industrial and Smart Devices



## IP PROTECTED PORTFOLIO

Soitec places significant value in its intellectual property, including its patent rights

# CONNECT POI PORTFOLIO

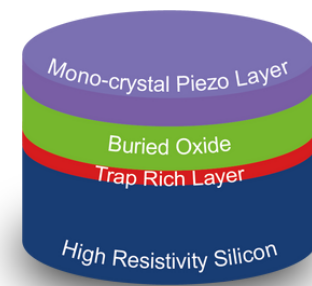


## Piezoelectric-on-Insulator engineered substrates for high performance RF filters

The Smart Cut™ technology allows to obtain thin layers of piezoelectric materials with a perfect crystal quality structure ensuring piezoelectric performances. These layers can be provided with different crystal orientations to support specific design requirements.

The buried oxide selects and guides only high velocity waves, allowing to limit the losses and to ensure a very high signal selectivity. It also keeps the piezo material constrained against temperature variations, ensuring outstanding frequency stability when temperature changes.

The Smart Cut™ process allows multiple recycling of starting material, therefore contributing to supply chain efficiency and better sustainability

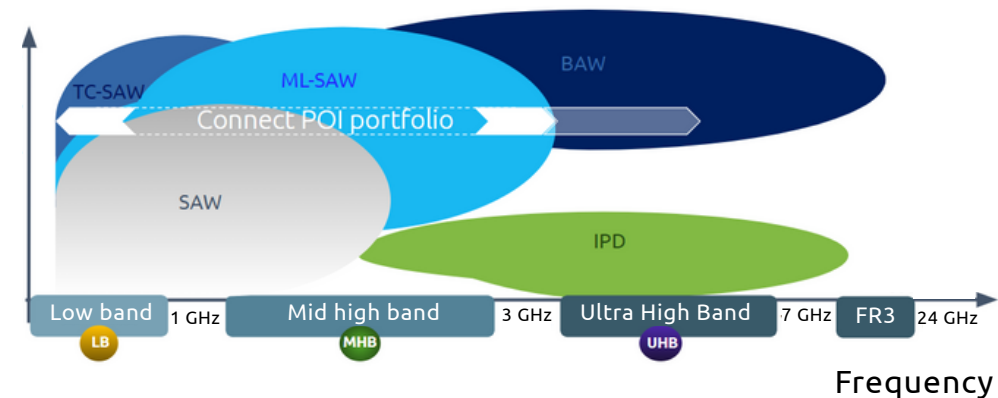


Connect POI product is available in 150mm size wafers

*Smart Cut™ and embedded Trap Rich layer are protected by Soitec IP*

## CONNECT POI PORTFOLIO ENABLES MULTILAYER SAW ON POI TECHNOLOGY FOR 5G SUB-6G

Performance/complexity

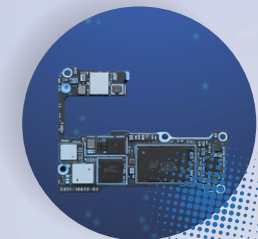


# Market & Applications



## LTE, 5G, SUB-6GHZ RF COMMUNICATIONS

- Smartphones
- Wearables
- Notebooks & Tablets



## HIGH PERFORMANCE ACOUSTIC DEVICES

- RF filters
- RF multiplexers
- RF FE modules

