



### Ensuring sustainable practices

Decarbonisation  
Innovation  
Territorial Development  
Stakeholder Awareness

### Committed to a sustainable product lifecycle

Eco-design  
Repair, Reuse, Sustainability  
Recycling

### Human-centered

Wellbeing and safety of our employees  
Diverse and equal opportunities  
Support for employees with disabilities  
Intergenerational collaboration

D E F E N C E

# SiLoNT

## Sonar Test System



**SiLoNT** has been designed to allow testing for a Sonar Array at each stage of the manufacture process, from Transducer to Acoustic Face to Full system

## Characteristics

- Modular system to facilitate mobility of the test solution. **Specific configuration according to customer requirements.**
- Use of revolutionary technology and methods to accurately test across a broad frequency spectrum with an **exceptionally low noise floor**
- Eliminates failures due to faulty components or manufacturing processes at the earliest possible stage to **reduce costs and waste** while **improving on time delivery**



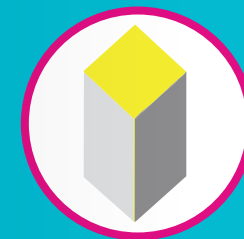
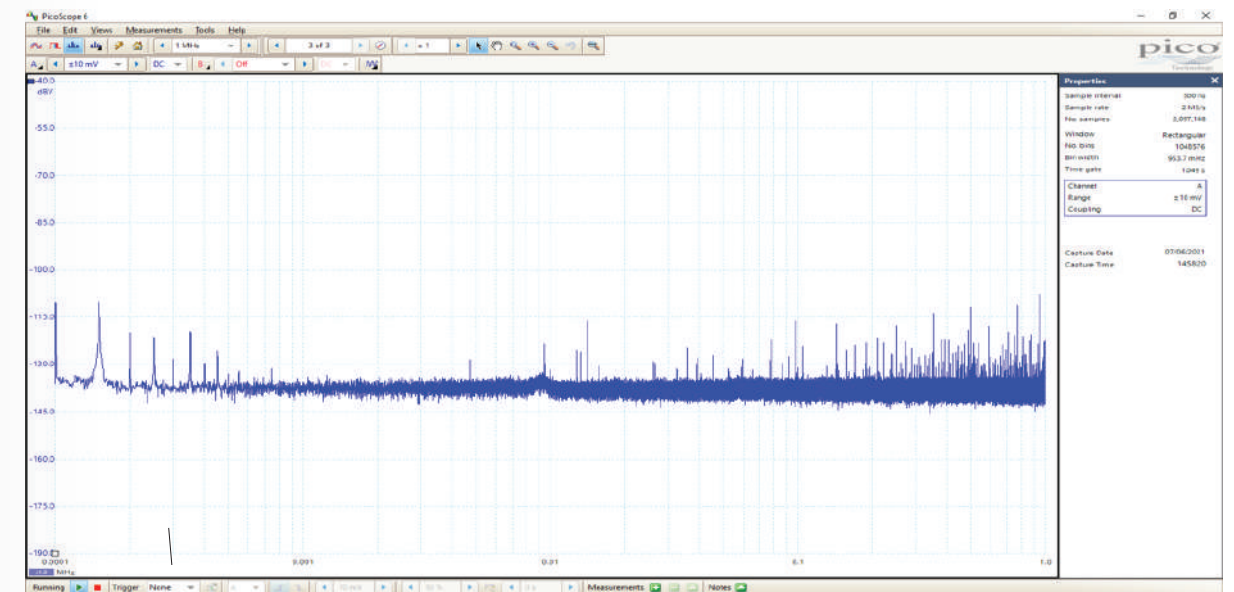
## Element Tester

- Tests for continuity looking for short circuits and open circuits
- Electrical measurements such as Capacitance, Susceptance, Resonant Frequency, Cross Correlation and Loss can be made to ensure the device does not have any major defects after assembly

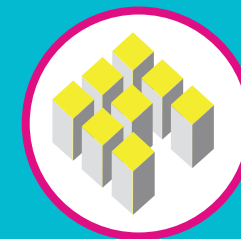
## Acoustic Tester

- Typical tests include Gain, Cross Talk, Phase and Noise Floor Measurements
- Functional testing is performed by signal / in air injection to the unit under test

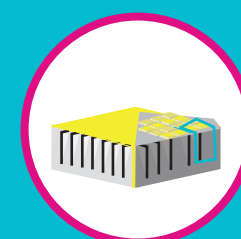
**Our System is capable of measuring exceptionally low noise floors**



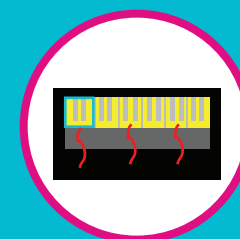
INDIVIDUAL CELL



SUB ASSEMBLY



ARRAY BLOCK



POTTED ARRAY



SYSTEM FIELD TEST

## Large Volume Data Download Facility

Allowing removable media storing data measured in Tb per second. Removeable media allows for secure storage while avoiding costs for encryption in on board storage

