



## Ultrasonics Applications Engineering & Custom Transducers

Conventional & Phased-array
Ultrasonic Transducers & Accessories



In-situ tooling, fixtures and integrated UT solutions for composite materials, rotating equipment, heat exchangers, pressure vessels and piping welds.



Who We Are: Sensor Networks is a Pennsylvania-based technology company specializing in the design and fabrication of industrial ultrasonic transducers and tooling for demanding in-situ test and inspection applications. Engineered for precision, ease-of-use and maximum durability, our offering includes ultrasonic transducers, fixtures, couplant-delivery systems, qualification/calibration standards, procedure development, personnel training and instrumentation.

## Successful Ultrasonic Applications Engineering

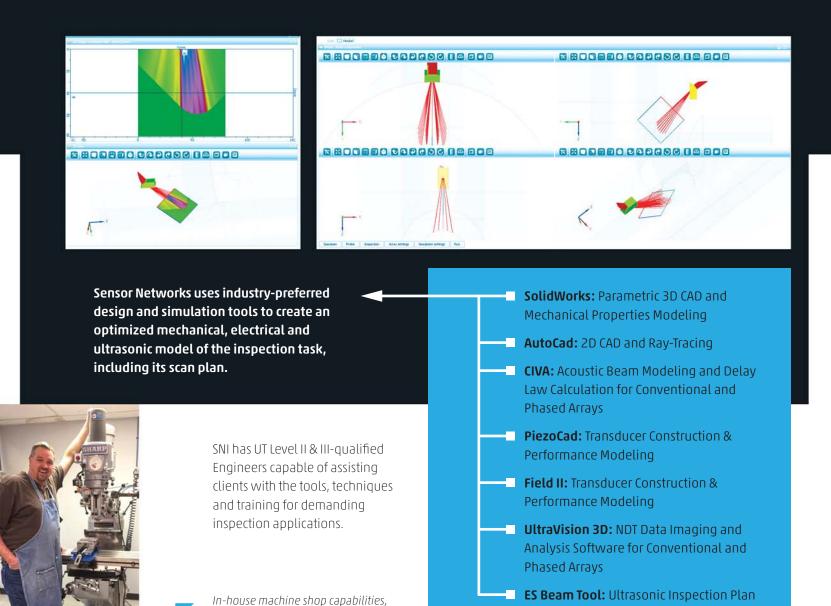
is the result of 3 major elements:

Experience
Capabilities
Process

SNI's deep domain expertise enhances NDT solutions through the selection, design and optimization of the ultrasonic technique. The transducer's efficiency is paramount for converting electrical energy into sound, then coupling and directing that acoustic energy into the test piece to maximize its signal-to-noise ratio.

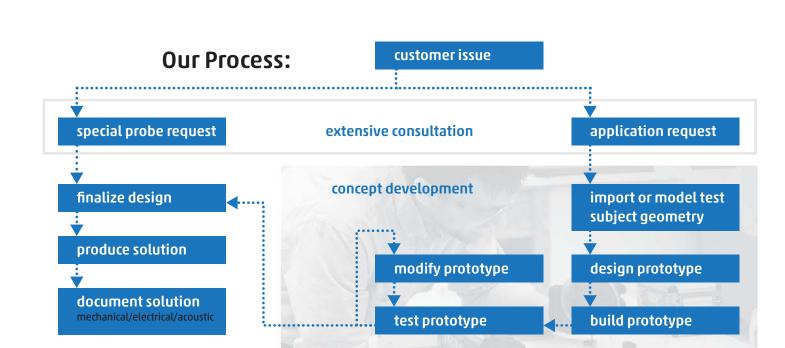
Our experienced team of engineers, technicians, assemblers and general management has an extremely deep level of knowledge and background in solving unusual, demanding and complicated NDT projects with an average and aggregate of 20 and 250 years, respectively, of experience. Industries served over this time include aerospace engines and airframes, nuclear vessels and heat exchangers, large gas turbines and others.





including Mr. Lee Wagner's 25-plus

years' NDT experience, allow faster prototyping and turn-around times.



Design and Validation Software.

## Optimized Solutions for Cost-effective Productivity

Sensor Netwoks offers transducer solutions in a variety of styles, compatible with any major manufacturer's conventional or phased-array instruments.



**In-situ:** self-aligning wand transducers for hard-to-access rotating equipment



**O.D. Transducers:** for tubing weld or braze joints



**7 MHz Ultra-high-temp Delay-line:** transducer and mounting clamp for continuous 500°C (932°F)



Phased-array: linear & matrix • annular, daisy & circular • contact & immersion • single & dual • flat & curved



ASME Section XI:

compound-radius wedges •

refracted longitudinal •

phased-array duals • contact or

immersion • TOFD • complex

wedges & delays



**SensorScan™ QS:** conventional transducers for quick swapping onto delay lines or wedges



**2 MHz PAUT Dual:** with 2×16 elements per probe and detachable wedge





L-wave, duals and tandem types

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