

Nondestructive Evaluation (NDE) and Structural Health Monitoring (SHM) Applications

FBS, Inc. specializes in providing ultrasonic guided wave solutions for all aspects of Nondestructive Evaluation (NDE) and Structural Health Monitoring (SHM) applications in the pipeline, rail, aviation, power generation, civil infrastructure, and military industries. FBS has successfully transitioned and commercialized numerous guided wave technologies into practice. FBS's first significant commercialization breakthrough was the development of phased array focusing technology for guided wave pipeline inspection. This technology allows for the inspection of hundreds of feet of pipe from a single probe position. FBS personnel are broadly recognized as being the first to apply guided waves to pipeline inspection and are considered the leaders in this area. Guided waves are currently being used to inspect gas, oil, and refinery pipelines throughout the world. In addition to product development, FBS also has a strategic partnership with Structural Integrity Associates to provide guided wave inspection services. Structural integrity is one of the largest advanced inspection services companies worldwide. FBS and Structural Integrity engineers have performed guided wave inspections at power generation facilities, onshore refineries, gas transmission line facilities, and on offshore drilling platforms all over the world.

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