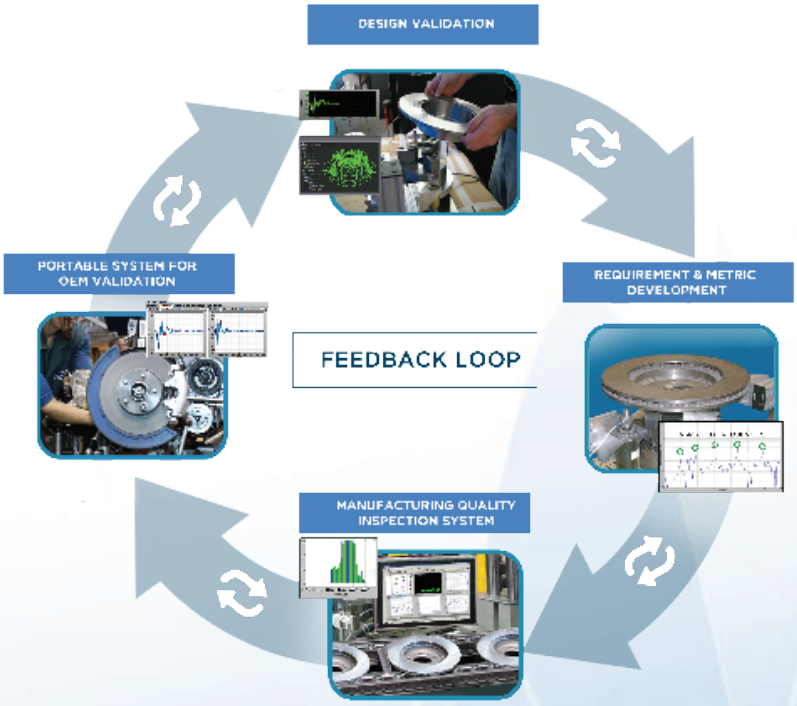
SIGNALYSIS®

Signalysis Design Validation solutions help ensure that product quality requirements are met in the early stages of new product development and throughout the product lifecycle. Inspection test data is fed back to design and manufacturing for continuous quality improvements.



Application History

2020
- Adopted EOS™ with Head Acoustics ®

2018

2017
- Introduced Real-Time Pareto

2015
- Introduced SigQC Design Time

2012
- Medical Applications

2008
- SigQC Interface to Q-DAS™
- The Dinger for FRF-NDT-Nodularity
- LabVIEW

2000
- LabVIEW™ Certification

1997
- SLAM Introduction
- Indy Car Wind Tunnel Testing

1996
- SigQC Interface to MatLab
- RotorQ Introduction
- SigQC Introduction

1990
- RIDE Roller Coaster Testing Software

1987
- F=MA
- Sir Isaac Newton Publishes His 1st and 2nd Laws in 1687
- Signalysis Founded in 1987
- Modern Science Begins

Signalysis History

1987
- Experience at NASA, SDRC

1990
- IQC European Introduction

1997
- Asia Sales Channels Established

2000
- IQC Introduction Singapore

2010
- Signalysis 2010 Expansion

2012
- Introduced NVH Seminar Series

2017
- Saltillo, Mexico Sales & Support

2020
- Completed EOS™ Implementation

TO DELIVER THE ULTIMATE SOLUTION EXPERIENCE TO OUR CUSTOMERS WITH UNSURPASSED INTEGRITY!

CALL: 513-528-6164 SIGNALYSIS® WWW.SIGNALYSIS.COM

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All other brand and product names are trademarks of their respective owners

SIGNALYSIS®

DELIVERING THE SOUND OF SILENCE™

SIGNALYSIS®

At Signalysis we pride ourselves in providing the ultimate solution experience with unsurpassed integrity. Our approach to problem-solving is rooted in several careers worth of research, development and test applications experience. Signalysis senior staff helped pioneer many of the testing tools, techniques, and best practices that have become the standard. Today we apply this wealth of experience to help our customers ensure product quality.

PROVIDING CONFIDENCE

We eliminate subjective testing by quantifying customer complaints and other objectionable noises to help you deliver defect-free products.

SERVICES

Knock-your-socks-off service... is more than a catchy slogan at Signalysis; it's what we're all about. Our engineers, technicians, and developers apply a wealth of hands-on laboratory, production line, and field testing experience to solve critical quality problems.

CONSULTING

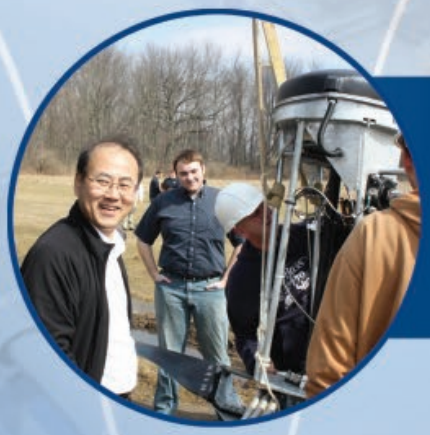
Whether you are looking for a short or long-term consulting engagement, training, or custom software development, Signalysis has the solution to fit your needs, time-table, and budget.

TRAINING & SEMINARS

From in-house training on theory and applications to workshops at our facility, Signalysis provides a variety of education and training options. We offer personalized attention and plenty of hands-on experience. Contact us to schedule your next individual or group training session.Signalysis schedules seminars in a number of cities throughout the year. Check our website often for seminars near you; or request a seminar in your area.

DESIGN VALIDATION

When it comes to quality, there's no room for subjectivity or guesswork. Signalysis Design Validation testing helps ensure that product quality requirements are met in the early stages of new product development prior to manufacturing. Implementing Signalysis throughout the product lifecycle saves time and money while boosting quality. The data flow from design validation leads to better requirements specifications on prints accelerating and improving the production quality inspection process. The tue value comes when supplier Quality Engineers roll up to OEM and field inspections with confidence and a full complement of data to backup any complaints.



PUTTING EXPERIENCE TO WORK

We draw from the expertise of electrical and mechanical engineers, mathematicians, physicists, and certified programmers to deliver a solution designed just for you.

QUALITY INSPECTION TEST SYSTEMS

Noise and vibration have a direct correlation to product quality, customer satisfaction, warranty claims, industry standards conformance, and ultimately profitability. We work with OEMs and suppliers throughout a wide variety of industries to solve these and other costly quality issues. to any test application.

We combine traditional NVH laboratory modal analysis, sound quality, gear testing, and motor dynamics test methods bringing 100% inspection confidence to your manufacturing floor. Signalysis test systems are powered by our proprietary SigQC™ software which is robust and compatible to any test application.

NON DESTRUCTIVE TESTING

Non-Destructive Testing (NDT) is a process to evaluate/inspect the properties or raw or machined parts without causing damage. Signalysis NDT experience and solutions include Resonance Frequency Inspection, Eddy Current, and Ultra Sonic. The Signalysis Dinger System provides PASS/FAIL parts testing. Optional features allow you to generate reports and perform powerful what-if statistical analyses.

- Save time and money in product evaluation, trouble shooting, and research
- Locate surface and subsurface flaws and defects
- Adjust limits and re-analyze historical results using Gaussian or Weibull distributions
- Perform damping and Q-Factor measurements
- Conduct batch or 100% quality inspections

THE EXTRA MILE

From turnkey quality inspection systems to custom software development and technical consulting, we'll show you what knock-your-socks-off service is all about.

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SUPPORTING IQC TOOLS

- IQC Material Handling
- IQC Motor Control
- IQC Measurement Systems
- IQC Analysis Engine
- IQC Automation

INNOVATIVE SOLUTIONS

We bring a fresh perspective in delivering solutions tailored to your unique requirements and challenges.

FUNCTIONAL TEST SYSTEMS

CUSTOM APPS

For more than 30 years Signalysis has been providing custom test system application design and development. Using proven, industry-tested object libraries and routines, we will develop software applications to your exact specs, enhance and modify existing in-house programs and improve your development schedules. We've adopted agile scrum methodologyto ensure a collaborative application development environment with many of our customers.

LabVIEW™ INTEGRATION

LabVIEW integration has become a significant part of the Signalysis solutions package. We combine control system hardware design with LabVIEW automation software development to provide custom test system solutions. As a National Instruments Alliance Member, with certified LabVIEW developers on staff, Signalysis has developed an expertise in many industries.

NATIONAL INSTRUMENTS LabVIEW Certified Developer

CUSTOM APP DEVELOPMENT

Our certified developers will work closely with you to design and develop software applications to meet your specific needs.

- LabVIEW Development Environment
- National Instruments Hardware
- Reporting in HTML & Office Suite Platform
- Cycle Time Optimization (PXI, cRIO, cDAQ)
- Custom Software Development
- Database Connectivity
- Automated Inspection
- LabVIEW Real-Time
- Machine Control
- HMI Layout Design

IT'S NOT ROCKET SCIENCE

But we really do have a rocket scientist on staff... just in case.