MTS Noise & Vibration Know-How Products (Ideas Test and Sound Quality)

- Multi-channels real time measurements, Modal Analysis, Multi-Phase Step Sine (MPSS), Normal Mode Tuning, Structural Modification

- Acoustic & Intensity Measurements, Sound Quality, Jury Evaluation, Noise Path Analysis, Vibro-Acoustics Prediction, Hybrid Modeling

- Data base and Electronic Reporting
CAE Calibrator
- A high productivity toolset for synching FE models & Test

Problems:
- Incomplete test results prevent use of test data to update models
- CAE Optimization tools don’t permit use of existing form of test data
- Non-repeatable, manual processes for identifying differences in test and CAE results
- Time consuming manual process to update CAE design variables
- Proper formatting and organization of test data slows down FE model updating

Solution:
- Reforms data correctly to run Optimization
- Automatically updates FEM Design Variables
- Much faster route to validated FEM libraries

MTS Noise & Vibration Consulting Services
- Product & Process Consulting (automotive, off-highway, entertainment, defense, aerospace, consumer electronics, industrial
  - Analytical simulation, test, sound quality Methods Development & Technology Transfer
  - Production Line Testing

MTS Sound Imaging Products
- Acoustic Intensity
- Sound Camera by Beam Forming