



# NVH & DATA COLLECTION

## Description

CSA Group Leyland carries out an all-inclusive Noise, Vibration, and Harshness (NVH) testing and analysis on components and vehicles through a wide array of testing equipment, including semi-anechoic chambers and a dynamometer. Data collection is carried out to the highest specification, using an extensive range of LMS Test.Lab data acquisition and analysis equipment for fast, effective characterisation of vehicles and equipment.

## Typical Applications

- Squeak and rattle
- External noise (UN ECE R51 & RDW Technical Service)
- Vehicle NVH data collection / analysis (On-road / VSAC)
- Data collection (microphone / vibration / strain / temp / displacement / pressure)
- Engine NVH testing
- General NVH development & problem solving
- Modal testing
- Sound power measurements (ISO 3744)

## Equipment & Facilities

- VSAC
- Small semi anechoic chamber
- LMS Test.Lab software & Scadas hardware (up to 80 Channels)
- ICP & Charge accelerometers (including high temp)
- ICP microphones
- Impact hammers
- Modal shakers
- Access to / experience with acoustic cameras
- Access to / experience with laser vibrometers