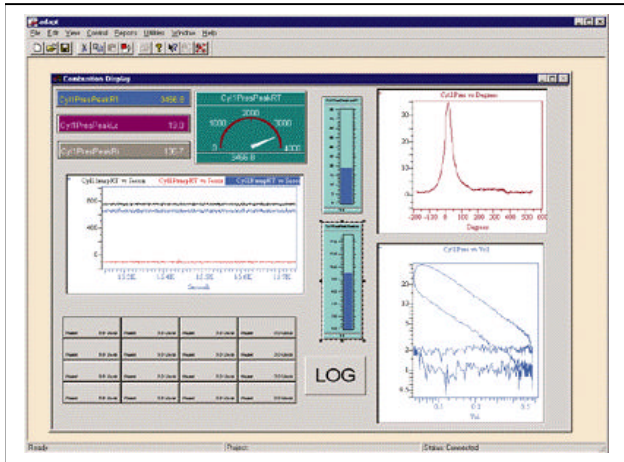


## COMBUSTION ANALYSIS



The object of the courses. To further develop with client engineer's the advanced skills that are required within the automotive engine test and development industry

### A two day advanced course

- ?? Combustion Basics
  - o Engine Cycle
  - o Combustion Parameters
  - o Heat Release
  - o Cyclic Variability
  - o EGR
- ?? Abnormal Combustion
  - o Incomplete Combustion
  - o Knock
  - o Pre-ignition
- ?? Emissions
  - o Stoichiometry
  - o Species
  - o Catalytic Converters
- ?? Calibration Optimisation
  - o Cold Start Calibration
  - o Warmed-up Calibration
- ?? Cylinder Pressure Measurement
  - o Hardware
  - o System Confirmation
- ?? Data Integrity
  - o Daily Checks
  - o Test Procedures
  - o Redundant Measures
- ?? Combustion System Types
  - o Diesel
  - o Direct Injection Gasoline
- ?? Applications
  - o Full Load Performance Assessment

