

Location: **RDSO, Lucknow, Uttar Pradesh, India**

Year of Implementation: **2000**

Product Summary:

Project	
Project	Clutch and Brake Test for Diesel Locomotive
Installation and Development	<p>User needed to do a sequence of test ie Pressure, Speed, Brake Time, Energy, HP and Temperature etc. to test the Brakes</p> <p>For this user has to measure the signals at different points. User has to measure the different type of parameters like Speed, Temperature Energy and pressure etc., analyze the data, Visualize the data and make the reports.</p> <p>We did the PC-based automation for this as follows:</p> <p>Using the PCL series modules of Advantech's, we did the interfacing of their instruments with the computer.</p> <p>Developed the software, which does the measurement of around 'n' number of channels, scaling, analyzing, visualizing in GUI form and logging the data.</p> <p>Provision for setting the limits for alarming, provision of setting the time rate for logging the data and setting the time sequence to operate the valves or switches is also provided in the application. When the test is complete, user can visualize the reports of different types, in different forms ie. Graphical/Tabular etc. and do the printing.</p>
Software & Language Used:	Operating System Win98 and Language DasyLab4.2 and language Visual C