

Design Studies

Design Study Capability and Experience Over the past thirty five years our personnel have gained unrivalled experience in all aspects of design relating to Railway Maintenance Equipment and Facilities. During this period a number of wide-ranging Design Studies have been performed for a number of varied Clients. Typical subjects for Design Studies

- * Design of Wheel Monitoring and Re-profiling Facilities
- * High Speed Rail - Design of the Rolling Stock Maintenance Depot and Equipment Specification
- * Light Rail and Metro - Design of the Rolling Stock Maintenance Depot, Stabling and Maintenance Equipment Specification
- * Depot Layout Improvements
- * Assessment of specific Railway Maintenance Equipment
- * Equipment Supplier Assessment and Recommendation
- * Assessment of Current Maintenance Facilities and Recommendations on Upgrade and Improvement
- * Evaluation of the most suitable Maintenance Equipment for a particular vehicle

Within D&P's turnkey contracts there are a number of instances where bespoke equipment design has been required to suit a specific purpose:

- * Vehicle De-icing Plant
- * APM Traction power auxiliary supplies
- * Bogie Removal Devices
- * Rescue Equipment
- * Body Stands
- * Safety Interlock Systems

Design Study Experience

A number of specialist Studies have been conducted in the past with a diversity of requirements. The following is a summary of the studies performed by the office here in Hampshire. A number of these studies are detailed below. Just click to link to the detailed requirements of the relevant study.

- * Network Rail - Train Wash Roof Brush Technical Assessment
- * Tubelines - Underfloor Wheel Lathe
- * Metronet - Wheel Monitoring Systems and Underfloor Wheel Lathe
- * Network Rail - Underfloor Wheel Lathe Study
- * Infraco SSL - A new Train Wash at Upminster Depot
- * Infraco SSL - Depot Stabling Study
- * Railtrack - Feasibility Study for Underfloor Wheel Lathes
- * Infraco SSL - Wheel Maintenance Facilities for two Depots
- * Infraco BCV - Underfloor Wheel Lathe for the Victoria Line
- * London Underground Limited - Underfloor Wheel Lathes and Wheel Monitoring Equipment
- * Railtrack - Selhurst Underfloor Wheel Lathe
- * Hyundai - Seoul to Pusan High Speed Rail Project
- * Adtranz Sweden - Adana Light Rail Project in Turkey
- * PERUMKA (Indonesia) - Locomotive and Coach Workshop Rehabilitation
- * Acer Consultants - Istanbul Metro
- * London Underground Limited - Northern Line
- * Provisional Office of High Speed Rail (Taiwan) - Taiwan High Speed Rail
- * British Railways Board - Track Monitoring Section
- * London Underground Limited - Northern Line Depots - Stage 1, 2 & 3
- * London Underground Limited - Engineers Train Depots
- * London Underground Limited - Central Line - Hainault & Ruislip Depots
- * London Underground Limited - Central Line - Project Support Services
- * Transmarche Link - Emergency Vehicles
- * London Underground Limited - Mechanical Handling Systems