

CJS ENGINEERING LTD

PROJECT LIST—GENERAL ENGINEERING

Structural & Mechanical Design : stress calculations - conceptual design - feasibility schemes

Structural design calculations for steel frames & member connections.
Structural design check on large tunnel damper at Heathrow Terminal 5.
Design of passenger footbridges at Oban Ferry terminal.
Design of oil metering skids & skid lifting systems.
Design check for fatigue condition on rotating mini-blender.
Design of structural steelwork & looping tower on steel pickling line.
Design of 'C-frame' measuring gauge for steel production line.
Mechanical stress calculations for various applications.
Sizing & specifying proprietary equipment such as gearboxes, motors, actuators, hydraulics & pneumatics.

Steelwork : site surveys - design - layout - detailing - parts lists

Layout & detail of support structures, maintenance platforms, access ladders & hand-railing for various industrial projects.
Detail drawings of bridge girders.
Detailing of steelwork for various factory developments & office buildings.
Layout & detail of various staircases & fire escapes for office buildings.
Layout & detail of broadcast panels for mounting to antennae.
Modelling of complex structures.

Mechanical & Special Purpose Machinery: design - detailing - modelling

Design & detail of fixed & mobile large size TV display screens, Rotherham & Great Yarmouth.
Layout & detail of bespoke special purpose machinery for various industries.
Design & detail of test & automation equipment.
Detailing new range of industrial vacuum cleaners.
Layout & detail of test rigs.
Conveyors & equipment for food packaging industry.
Detailing pipework & fixtures for aerospace industry.
Sheet metal work for light industry.

Other / miscellaneous

Standard CAD bureau services - plotting & printing, updating 'mark-ups', conversion of manual drawings to CAD, tidying up drawings that have been converted from one cad system to another format.
"Reverse engineering" of various products, to enable cheaper manufacture.
Drawings for glazing contractors and window manufacturers.
Layout drawings for building services contractors & security equipment installations.
Preparation of isometric drawings of pipework routes.
Planning application drawings of developments to industrial & residential properties.
Outline/proposal drawings for new road & rail bridges.
Drawings of various plastic components for medical industry.
Factory and office layouts, plans for access routes.