

## Drop Pole CCTV Brackets – a need for reliable stability

TFL had major expansion plans for Kings Cross and Paddington train stations in Central London. They needed a new 'drop pole' CCTV brackets designed and prototyped for strategic installation at key points at both stations.

### A low-cost, practical design solution

CADmate had worked with design partners to produce a simple, low-cost practical solution. A 3D CAD model was produced and a structural simulated analysis (FEA) was conducted to highlight any weaknesses in the design along with opportunities for cost saving. Several variations of the initial design were identified and an optimum design was achieved to the satisfaction of TFL and its stringent regulations.

3D CAD MODELLING | ENGINEERING DESIGN | STRUCTURAL TESTING

