

Case Study

AN **idom** GROUP COMPANY

Project

Aesthetic Overhead
Line Structures

Overview

Idom were finalist and highly commended in the RIBA international design ideas competition for Aesthetic Overhead Line Structures related with the proposed High Speed 2 Rail in the UK. Idom lead a consortium with British heritage consultant Alan Baxter Associates and Spanish manufacturer SEMI.

Sponsored by Future Railway and with both an esthetical and a technical approach, the competition intended for teams to propose new ideas to improve the design of gantry and cantilever structures which form an essential component of the electrification programme across the UK rail network and assist with electrification of the network through listed or otherwise protected areas.

IDOM's proposal called the "Needle System" is designed to minimise visual intrusion in environmentally sensitive areas and to complement contemporary cutting-edge design of new HS2 stations.

'Needle System' combines an elegant, slender asymmetric profile with practical, economical and robust detailing. Conceived as a 'kit of parts' it uses a generic mast design in 20mm & 30mm steel gauge variants that can be configured respectively for twin-track configurations as a simple cantilever but also for use with multitrack gantry configurations



East Mill, Bridgefoot, Belper, Derbyshire, DE56 2UA

Tel +44 (0)1773 829 988

Email consulting@merebrook.co.uk

www.merebrook.co.uk

offices London Kent Derby Cardiff Manchester Moray