

**Contact**

Adèle Lancaster (sales)  
t: 0115 911 0243  
f: 0115 911 0246  
adele@rdaprojects.co.uk

Richard Bates (technical)  
t: 0115 911 0245  
f: 0115 911 0246  
richard@rdaprojects.co.uk

David Hall (contracts support)  
t: 0115 911 0244  
f: 0115 911 0246  
david@rdaprojects.co.uk

**Web**

www.rdaprojects.co.uk

**Address**

RDA Projects Ltd  
Innovation House  
Daleside Road  
Nottingham NG2 4DH

**Staff / turnover**

£4.5m per year

**Operational area**

UK, Europe

**Clients**

Airbus UK  
BOC  
Boots  
Disney Distribution  
Excel  
Foxtons  
Heals Furniture  
Inland Revenue  
Marks & Spencer  
Next Distribution  
Nottingham University  
Royal Opera House  
SCS Upholstery  
Sainsbury's  
Specsavers  
Slough Estates  
Tesco  
TNT  
Travis Perkins  
Volkswagen Audi

**RDA Projects Ltd**

**Mezzanine floors**

RDA Projects Ltd is a structural engineering company specialising in free-standing mezzanine floors, plant platforms and access walkways for industrial, commercial, distribution and retail buildings. RDA's engineers and project managers partner specifiers, construction professionals and major industrial and retail clients on schemes up to £2.5m in value in the UK and Europe. Feasibility studies, detailed structural design and site installation are tailored to individual client requirements. RDA has independent facilities to ensure the cost-effective and timely production of structures for every project. Multiple level and large structures, and bespoke specification are RDA's particular strengths, as is working with shopfitters, materials handling companies and automation systems companies on turnkey projects.

**• Mezzanine floors and platforms**

RDA has installed structures from 30 to 25,000m<sup>2</sup>, with as many as three levels of up to 11m overall height. Standard column grid layouts optimise economy of build, whilst larger spans to suit the site and application offer greater freedom of movement at ground level. 10x6m grid layouts are common, with UDL capacities from 3.0 to 10.0kN/m<sup>2</sup> with piles or foundations. Smaller grids averaging 5x4m with loads imposed directly onto concrete slabs are also popular. Future extension to structures can be designed in at the concept stage to minimise costs and disruption later. Accessories include staircases, balustrades, loading gates, edge protection, hoisting equipment and goods lifts, all of which comply with Building Regulations and HSE standards.

**• Professional indemnity and general insurance**

RDA holds £3m professional indemnity insurance and offers warranties on all designs. Public, products and employers' liability coverage is up to £10m with £3m contractors' all-risks insurance. Performance bonds are also offered.

**Composition and manufacture**

Structural components are made from fabricated steel to BS 5950. Square hollow section or universal columns, with welded steel baseplates anchored to the concrete slab, support universal beams. Galvanised joists are cleated into beam webs for a slimline profile to save headroom. Deck materials include moisture-resistant high density particle board, open steel grate, chequer-plate and pressed steel plank in primed, painted or galvanised finishes. Balustrades, edge protection screens and staircases are gloss painted or powder coated mild steel. Stainless steel and glass options are available.

**Technical data**

**• Loading**

All loading categories detailed in BRE Digest 437 from 3.0 to 10.0kN/m<sup>2</sup> are satisfied. Very heavy loadings or special performance characteristics for wheeled traffic, racking point loads or machinery vibration can be catered for.

**• Deflection limitation**

Deflection limitation to deck joists ensures robustness and rigidity for superior comfort and performance in high occupancy office and retail applications. Full advice on structural performance is offered for each project.

**• Fire protection**

A suspended ceiling system or mineral board cladding, together with column casements or intumescent paint, provide one-hour fire protection to elements of mezzanine structures. Fire separation walls and fire-resistant staircase enclosures, as well as demountable industrial, warehouse and office partitions, can also be installed.

**Technical support**

Free services include initial consultation, development of a design brief, Building and Fire Regulations interpretation and approval, site survey, quotation and technical support.



Multilevel apparel storage structure with racking



Steel partitioned two-storey office accommodation mezzanine



First floor office extensions into warehouse and factory spaces



Fire separation walls and demountable office partitions can also be installed



Palletised storage and distribution system



Warehousing application



Warehousing application



Retail display application



Secure storage factory mezzanine and steel screens



Factory application



Stockroom application



Retail display application

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Cannon Rubber  
Decleor  
Disney Store  
G Plan Furniture  
GIST  
Habitat  
HSBC  
Jaeger  
Kerry Foods  
Mothercare World  
Muller Dairies  
Multiyork  
New Look  
Next Retail  
Printing.Com  
Tesco  
T K Maxx  
Vidal Sassoon