

# MEZZANINE FLOORS



## Automation & Materials Handling



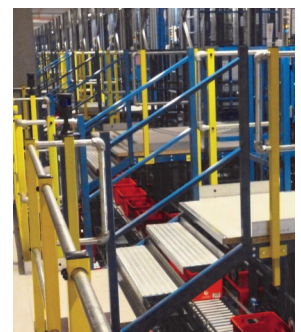
Mezzanine floors are an ideal solution for businesses expanding their automation processes and materials handling.

The addition of a single or multi-tiered mezzanine floor can effectively make use of overhead space to accommodate conveyor systems, whilst other floors can be used to store, manage and dispatch products.

Hi-Level's structural steel mezzanine floors are capable of withstanding the substantial load placed upon them by heavy duty conveyor systems and robotic machinery.

Access walkways, maintenance support platforms and other bespoke requirements can be incorporated into the mezzanine design as required, and handrails can be aligned with corporate colour schemes.

Hi-Level takes full design and engineering responsibility for ensuring its floors meet all Building Regulation requirements and are fit for purpose.





# Case Studies



## Food distribution company

This large scale project involved a total of 15 mezzanine floors, covering an area of nearly 9000m<sup>2</sup>.

The mezzanines were built on various floors of a new bespoke building, involving the use of cranes to lift materials. Some of the floors were built around live conveyor systems, entailing strict adherence to method of build in order to comply with health and safety regulations.

Bespoke handrail and ancillary items complement the floors.

## Multi-national retailer

A two-tier, 24,000m<sup>2</sup> mezzanine floor capable of bearing a load of 6kN/m<sup>2</sup> to support a specialist conveyor belt sortation system that transports goods around the warehouse.

The sortation system was installed above the mezzanine floor on all three levels, while cable trays from the external electricity supply were channelled under the floor to feed specific areas, both of which necessitated the use of additional joists at key sections of the floor.



## About Hi-Level Mezzanine Floors

Founded in 1991, Hi-Level Mezzanines is a leading supplier of mezzanine flooring. The company's mezzanine floors incorporate high specification components as standard and comply with BRE Digest 437 and other relevant kite marks.

Hi-Level's unique, mezzanine production system manages projects from start to finish, automatically calculating the best floor design and the precise amount of materials required - ensuring the most cost-effective use of materials to keep build costs down.