

Case Study :

B&Q Distribution Centre

Swindon, UK.

CASE STUDY



Project information

Project name/ location	B&Q Distribution Centre, Swindon.
Project Team	M&E Contractor : Kirby Group
Date	Summer 2012
Building type	Distribution Centre
Services	Containment
Products	Gripple Trapeze No.3 x 10 metres = 800 Gripple Trapeze No.3 x 4 metres = 400 Gripple No.1 x 4 metres = 5,000 Purlin brackets = 800




This £77million, 796, 649 sq.ft site, the size of 20 football pitches, will become the major B&Q logistics hub, serving the south of England. From an unusual start, the land had to be checked for unexploded shells, as Swindon was bombed 11 times during the war, the project took 32 weeks from start to finish, and was delivered 6 weeks early.



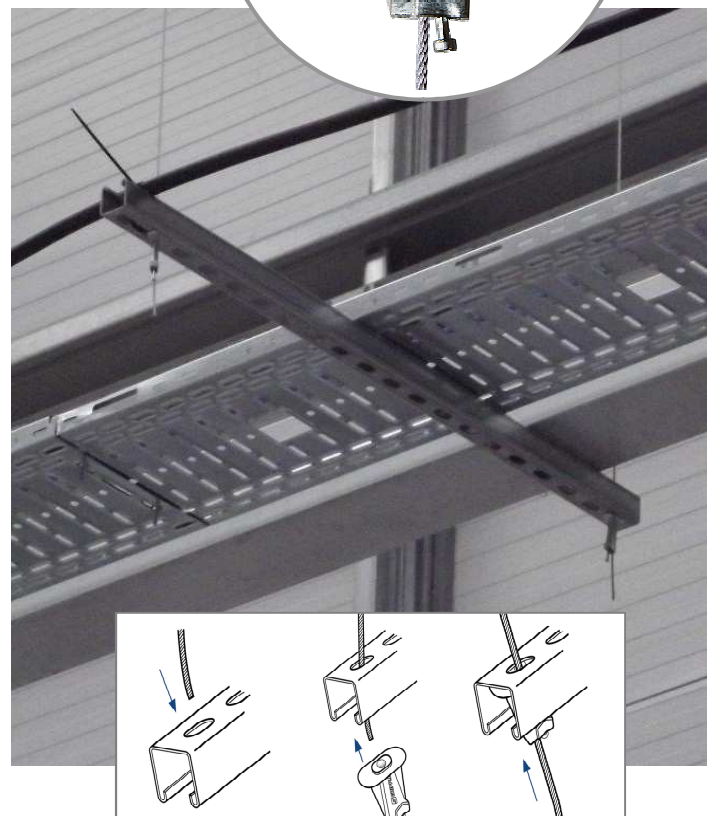
Using the Gripple suspension solutions in the B&Q distribution centre, contributed on many fronts and in-line with the aspirations and priorities of B&Q today.

Not only did it replace the need for threaded rod and channel, but it also reduced the wastage associated with rod and channel. This contributed to **CO2 savings**.

It increased the **speed of installation** and contributed to keeping the project ahead of time.

Also and key to this project, bracketry assembly was moved off-site, which proved a massive time, and **health & safety benefit**.

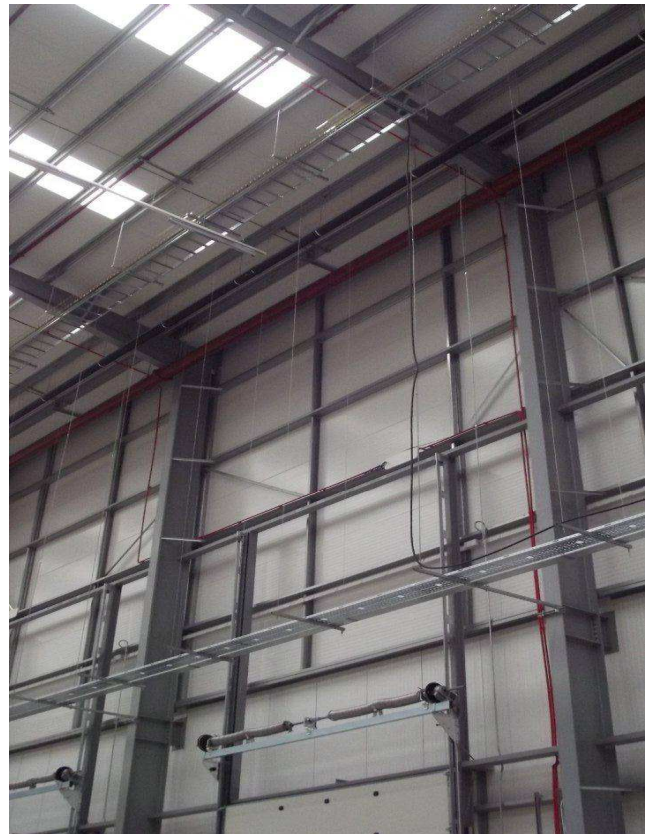
Lastly, it delivered a **clean, open look**, free of clutter and unnecessary shadows.



The location of the centre will enable faster delivery to stores and greater stock control, thereby improving customer service. It will also reduce CO2 emissions, transport miles and costs. Many of these ambitions are close to GripplE's heart too.

GripplE products are 'Made in Sheffield, England' and therefore transport to site is minimal. Add this to the fact that compared to rod and channel, GripplE suspension solutions are a fraction of the size and weight, and their mode of manufacture can result in 95% less CO2 emissions per metre compared to traditional materials.

Also, carrying one small box of GripplE wire rope suspensions, weighing around 10kg, compared to lugging around 3 metre lengths of rod and channel, not only improved health & safety on site, but the versatility of using GripplE, removed bracketry assembly off-site too.



Embodied Carbon Savings

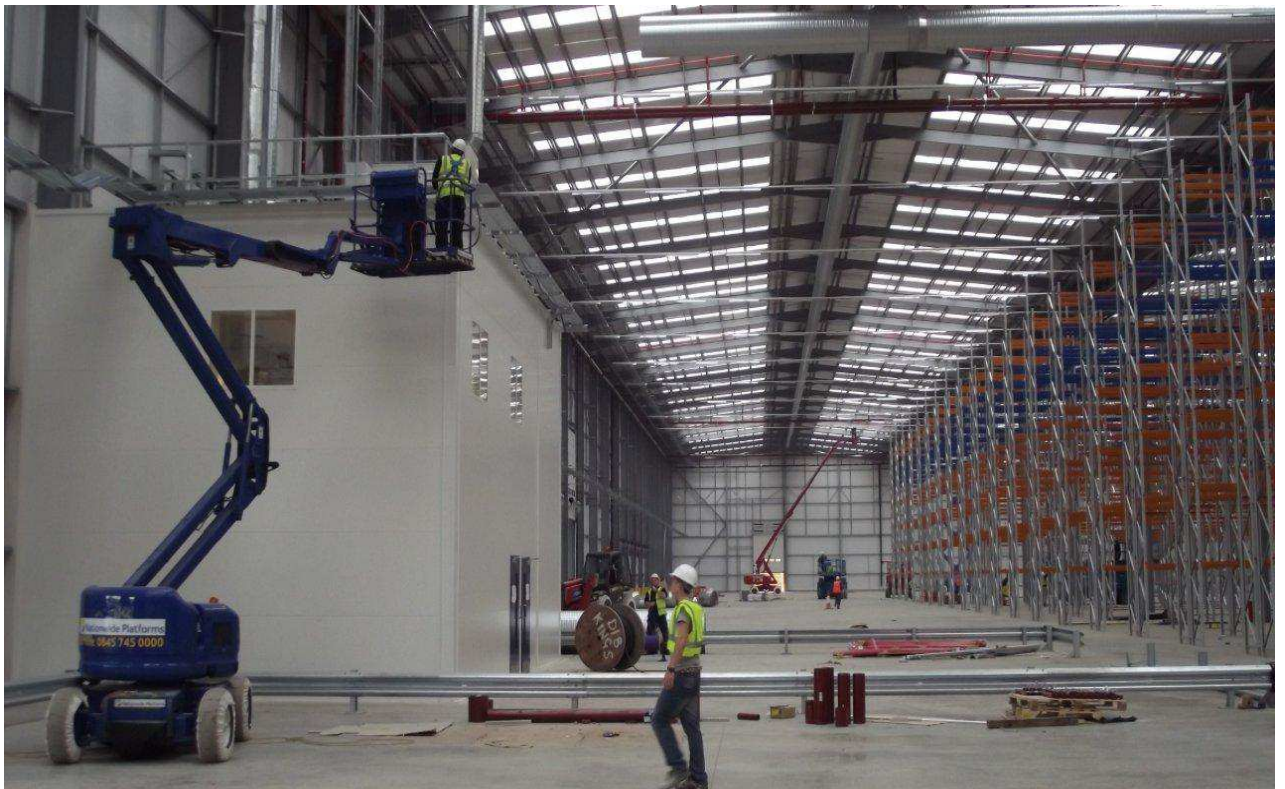
By using GripplE wire rope suspension solutions versus traditional threaded rod and channel, a significant CO2 saving can be gained. The mode of manufacture of both threaded rod and channel is intensive and heavy engineering based.

On this project, comparing the GripplE light-weight wire rope system versus rod and channel – resulted in ...

a reduction in embodied carbon of 94%, equalling a 2.8 tonne carbon saving.

“ Using the GripplE hanging solution in the B&Q DC in Swindon, allowed us to move bracketry assembly off-site, it also increased our speed of installation and reduced our wastage of threaded rod and channel”.

Kirby Group Engineering Ltd.



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