

Safety Barriers Protect Against Collisions at World's Largest E-Commerce Retailer in Sydney

NPSG Australia

SEGREGATION OF DIFFERENT TRAFFIC FLOWS

A brand new BWU6 fulfilment centre in Sydney needed a solid barrier to protect pedestrians, equipment and infrastructure from forklift collisions. The distribution centre had several intersecting traffic streams. This made the risk of collisions very high. Boplan's safety expertise was called upon. Boplan's partner - **NPSG Australia** - installed various safety solutions such as the TB 400 PLUS, a robust collision protection system with handrails that not only protects against collisions but also guides pedestrians.

CHALLENGE

Keeping different traffic flows separate in a busy distribution centre is not an easy task. The BWU6 fulfilment centre in Sydney required advanced safety solutions to protect workers, equipment and infrastructure in a high-traffic environment. They chose the Boplan safety barrier system for its outstanding performance, flexibility and durability.

Their objectives?

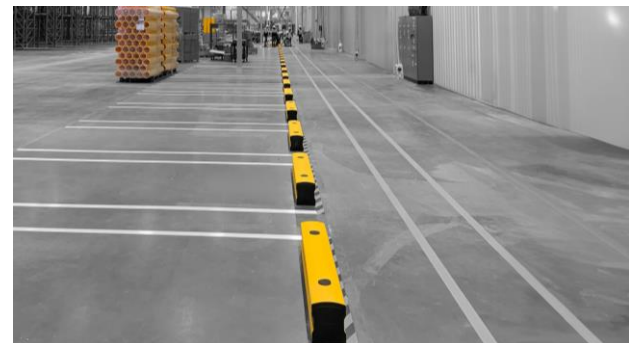
- Ensure worker safety: protect workers from potential hazards in the warehouse.
- Protect equipment: protect machinery and infrastructure from accidental impacts.
- Comply with industry safety standards and regulations.

Impactful Results

The TB 400 PLUS safety barrier was installed to provide high visibility and guidance while protecting pedestrians and infrastructure in high-traffic areas like warehouses, manufacturing facilities, and airports. With an impact resistance of up to 20.1 kJ, it stops forklifts in collisions and returns to its original shape without damaging anchor points. To enhance safety at entrances, the FLEX IMPACT® SG SWING GATE was added, providing a robust, self-closing solution that integrates seamlessly with other FLEX IMPACT® systems for smooth movement between areas. The TB 260, a lower version of the TB 400, was also installed to prevent pallets from sliding under the barrier, protecting machinery and infrastructure. At ground level, FLEX IMPACT® FLIP200F kick rails were installed, offering excellent protection against forklift forks and guiding transport trolleys, with the ability to absorb impacts of up to 17 kJ. Together, these solutions create a comprehensive safety system to protect pedestrians, infrastructure, and equipment in a busy workplace.



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“BOPLAN SAFETY BARRIERS, A GAME CHANGER IN TERMS OF PERFORMANCE AND DURABILITY. THEY WITHSTAND IMPACT, REDUCE DAMAGE AND RETAIN THEIR ORIGINAL SHAPE, APPEARANCE AND FUNCTION.”

Jesse Palmer, NPSG Australia
National Project Manager