Project Case Study: Air-Supported Belt Conveyor Site Upgrade

Our client was re-developing their site in Christchurch after the 2011 earthquakes. As part of the upgrade, the intake system required replacement along with the affected buildings. We were commissioned to design, fabricate, and install a fully enclosed, 400 TPH, long span air-supported belt conveyor to transport various products into the bulk storage buildings on site.

Our air-supported belt conveyor was the best fit for the application, with its capacity to span the 24-metre distance at a height between buildings without losing product to the ground below. It is also cost-effective, requiring less maintenance with no moving components between the tail and discharge pulley walkways are not necessary.

Overall our air-supported belt conveyors are more energy-efficient than a traditional roller belt conveyor, produces minimal sound, and less product degradation.