



Case Study: Automation

Arnott's: Australian Snack Food Producer

Optimizing warehousing for increased storage capacity and automation.

PROJECT SUMMARY

LOCATION

Oceania

INDUSTRY

Food
Processing

A full supply chain analysis to implement a system to increase storage capacity.

Client Challenges

Limited site capacity and inefficient transport model.

As a result of the limited site capacity, Arnott's faced ongoing challenges with the manufacturing and distribution operations of their site. This resulted in double handling of stock in the existing warehousing system and an inefficient double handling transport model, making it unsustainable for future operations and growth.

An ageing existing building and infrastructure placed financial upgrade challenges, particularly with the sloping site topography also placing a need for automation design for creative engineering solutions.

TMX also developed and workshopped various building design options to meet the existing site restraints, whilst providing an upgraded design to address the automation challenges.

From the outset, TMX prepared project building tender documentation and managed the tender process, negotiations and selection recommendation, right through to superintending the building contract, including, all contract administration and integrated the separate fit-out automation contractors.

Approach

To address Arnott's on-going challenges, TMX completed a full supply chain analysis to consolidate transport operations, add warehousing storage capacity, and upgrade the automation operations system.

After conducting this analysis, TMX were able to provide insights on the operations and materials handling equipment solutions with associated costing models.

Additionally, TMX were able to develop and manage the automation tender process to international vendors, complete a detailed tender comparison, and selection recommendation.

Solution

After implementing the suggested solutions, Arnott's were able to achieve increased and optimized on-site pallet storage capacity, though the creation of a new high-bay and refurbishment of an existing high-bay. This allowed for:

- **Multiple temperature storage compartments** to cater for operational and QA requirements.
- **Consolidation of multiple transport site operations** onto the existing site by increasing storage and upgrading distribution operational areas.
- **Minimized disruption** to existing ongoing live manufacturing production and warehousing distribution operations, which significantly improved stock management and controls, reducing product wastage, system downtime and supply chain yearly costs.

Transform your supply chain

TMX Transform is an end-to-end supply chain consultancy, providing expert advice and practical, innovative solutions to businesses globally.