

CPT ENGINEERING

TASMANIAN
CLIMATE
CHANGE
OFFICE

CASE STUDY

THE PROJECT

Improve materials handling on-site, specifically:

- organise the central yard to optimise stock movement and goods receipt, and
- organise offcuts from the fabrication area for greater visibility.

BACKGROUND

The company already applies principles of resource efficiency for those processes within its control. The materials used (mild steel, stainless steel, aluminium) are highly recyclable and there are established systems in place for collection and recycling.

OBJECTIVES

Reduce the average time per job spent finding and retrieving materials.

Ensure quality systems are implemented for goods receipt.



Staff reported that goods received and stored in the central yard may be moved a number of times before being used. This causes excessive forklift use and delays when waiting for materials.

TARGET

35% improvement on time taken to locate and deliver materials to workstations.



OUTCOMES

WHAT WAS IMPLEMENTED?

Yard cleaned and sorted - everything now has a place and is effortlessly accessible.

Trial of material tagging for job allocation worked well but we need to refine the process.

Racks were constructed and installed.

Deployed new software, including inventory management.

KEY ISSUES

Knowing where to start due to the sheer volume of materials.

The amount of time the problem had been accumulating.

Changing the mindset of staff and management to prioritise improvement.

Time constraints and labour availability.

PERFORMANCE AGAINST TARGETS

We exceeded our target of 35% reduction in time taken to locate and deliver materials to workstations and this is reflected in our current on-time delivery performance, which has increased from 52% to 82%.



"I discovered that we're not isolated, there are common themes around resource efficiency across businesses and industries."

Brett Wheldon

Systems Coordinator, CPT Engineering



Materials are now stored to provide easy access, reducing forklift movements. An added benefit is a reduction in safety and environmental risk.

LESSONS LEARNT

The value of having materials in an allocated space.

Better inventory management and an organised yard saves on time, improves safety and helps to meet deadlines.

The volume of waste generated in Tasmania, particularly green waste, and how this is being recycled.

The Business Resource Efficiency Program (BREP) is delivered by Business Action Learning Tasmania (BALT) in partnership with the Tasmanian government.

For more information about BREP

Visit www.businessactionlearningtas.com.au/brep

For more information about this case study

Email BALT at admin@businessactionlearningtas.com.au

BREP participants included:

Nichols Poultry
Botanical Resources Australia
Direct Edge Manufacturing
Penguin Composites
Bridestowe Lavender
Red Brick Road Ciderworks
Jinglers Creek Vineyard
pitt&sherry
Drysdale Training Restaurant
CPT Engineering
ThinkBig Printing

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