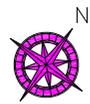


VARGA TRAFFIC PLANNING Pty Ltd
 ABN 88 071 762 537
 Suite 6, Level 1
 20 Young Street
 Neutral Bay, NSW 2089

Phone +61 2 9904 2024
 PO Box 1888
 Neutral Bay, NSW 2089
 www.vargatrafic.com.au
 Sydney, Australia

PROJECT
 MIXED USE DEVELOPMENT



DRAWING TITLE
 12.5M HRV TRUCK TURNING PATHS
 Entering Dedicated Loading Dock

ADDRESS
 Doran Drive, Castle Hill

PROJECT NO.
 20417

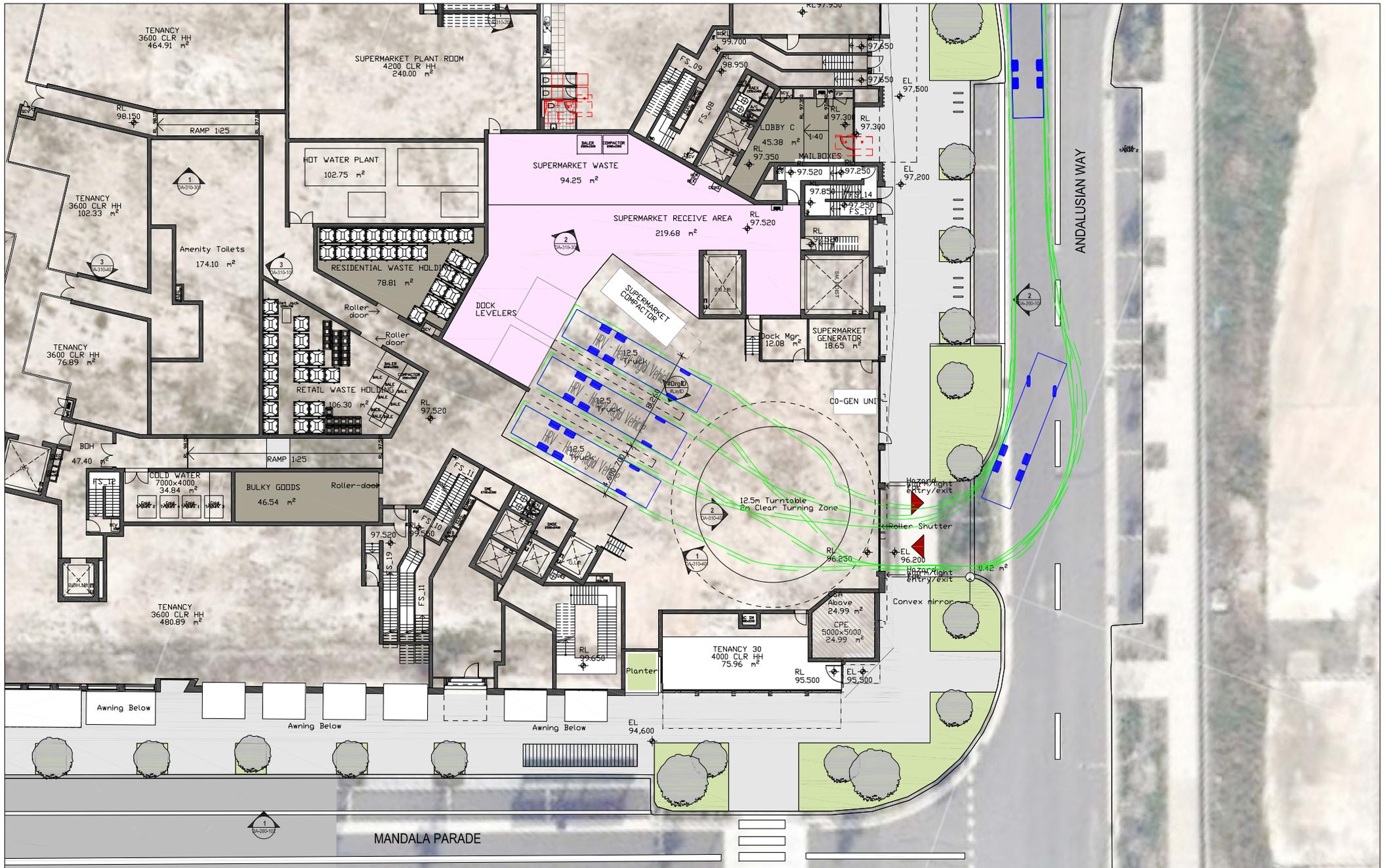
REVIEWED
 CHRIS PALMER

1:400 @ A4

DATE DRAWN
 2021-6-30

PREPARED
 DONALD LEE

VARGA TRAFFIC PLANNING Pty Ltd
 Transport, Traffic and Parking Consultants



VARGA TRAFFIC PLANNING Pty Ltd
 ABN 88 071 762 537
 Suite 6, Level 1
 20 Young Street
 Neutral Bay, NSW 2089

Phone +61 2 9504 3254
 PO Box 1868
 Neutral Bay, NSW 2089
 www.vargatrafic.com.au
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APPENDIX C

EXAMPLE TURNTABLE SPECIFICATION

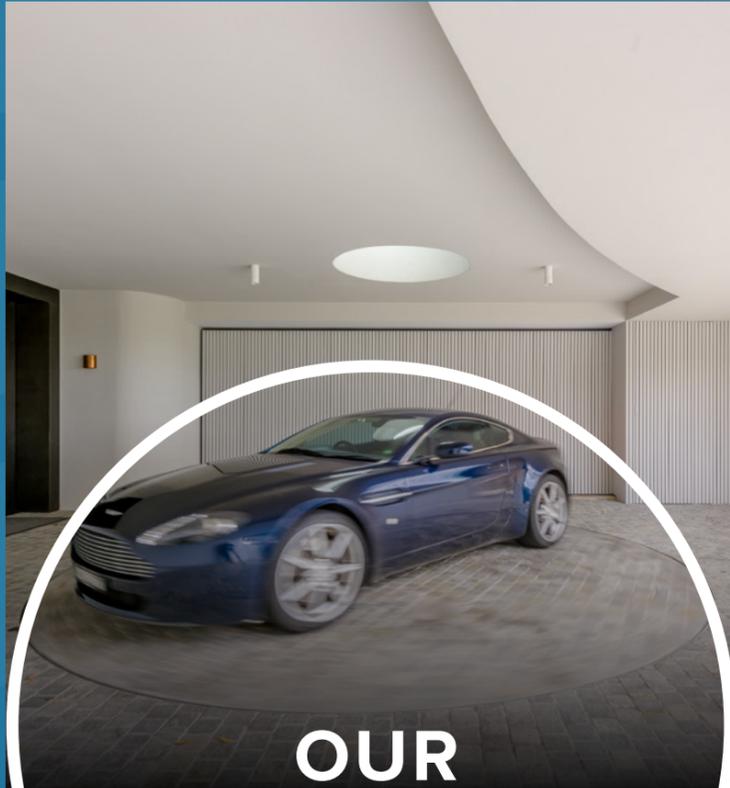
LOADING DOCK TRUCK TURNTABLES



TABLE OF CONTENTS

- Company Profile 03
- Optimise Space 05
- Flexibility In design 06
- Increase Efficiency 07
- Increase Profits 08
- Why Australian Turntables? 09
- A Company & Product you can trust 10
- Case Study 11
- Coles Testimonial 13
- Design a better loading dock 14
- Loading Dock Specifications 15
- Quality & Warranty 16
- Our Customers 18
- Contact us 19

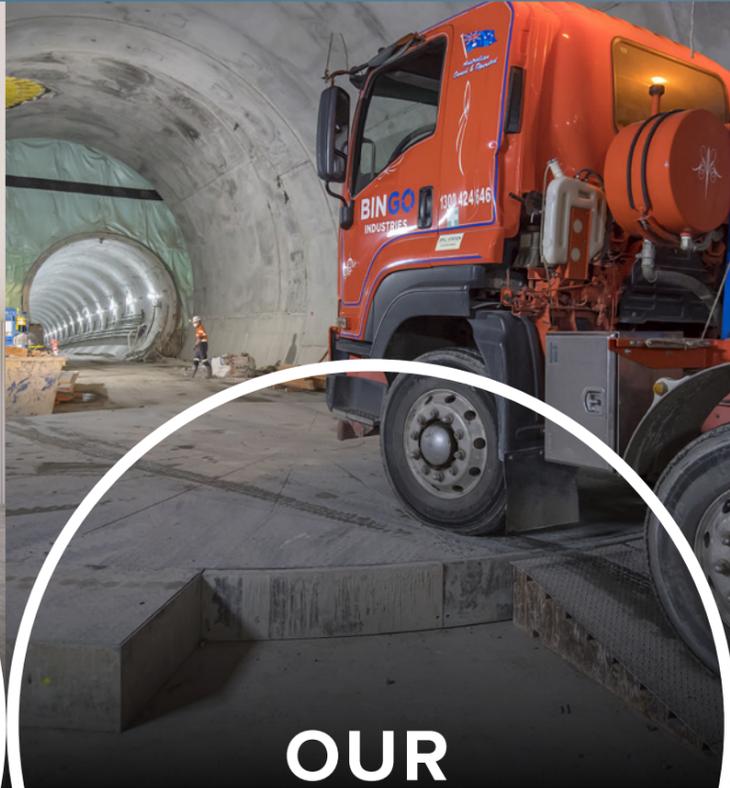




OUR COMPANY

Australian Turntables is a world recognised company specialising in rotational movement systems.

We provide turntables to a wide range of industries, supporting our clients from the initial concept of a project through to completion and beyond.



OUR HISTORY

Established in 1987, our products are all proudly designed and manufactured in our Australian based factory.

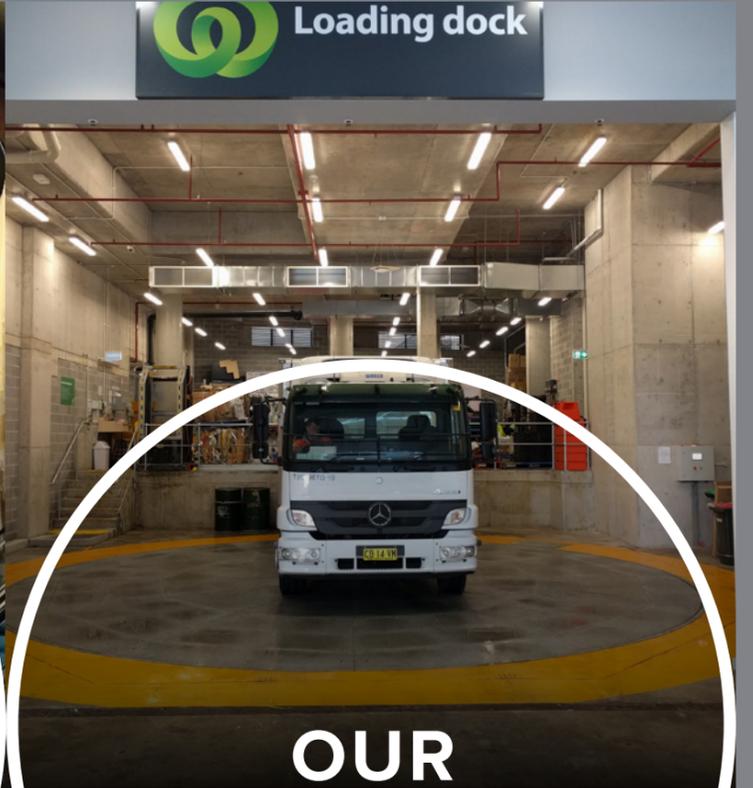
We can supply any project, for any industry, anywhere.



OUR VALUES

We understand that the quality of your supply chain impacts the success of your project.

By choosing Australian Turntables, you have the support of a company driven by the following values: Embrace a challenge, fully commit, think smarter, keep it clean and own it.

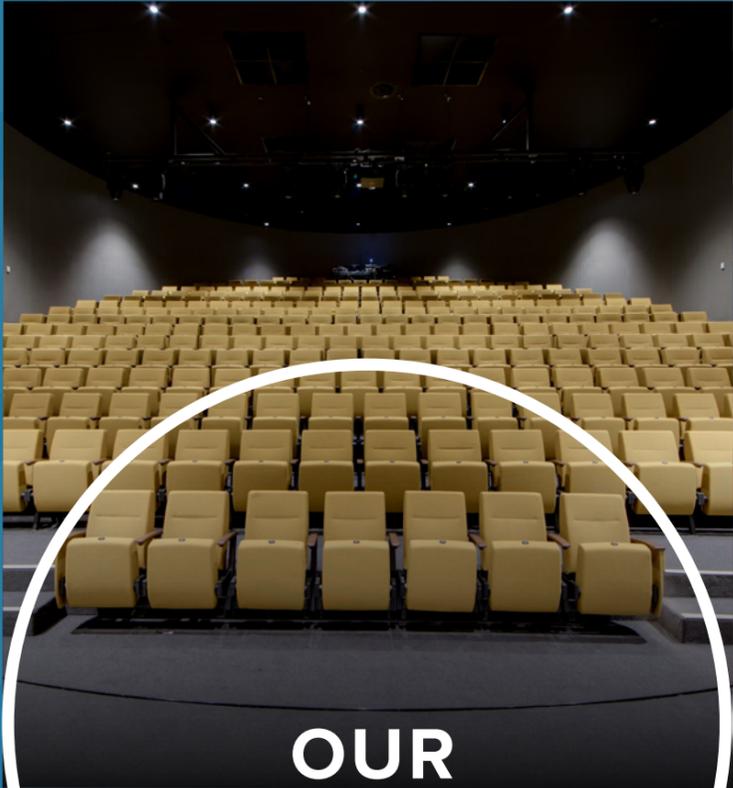


OUR LOCATIONS

Through our global distribution network we have delivered projects into 22 countries, for the world's best companies.

We have the experience & knowledge to work across a range of industries in all parts of the world.





OUR FOCUS

Is Our Customers' Needs

- Improve safety
- Increase productivity
- Save space

With smart design and planning you can achieve a great return on investment for your project. Our team work with you to design the space for the best results.



OUR INDUSTRIES

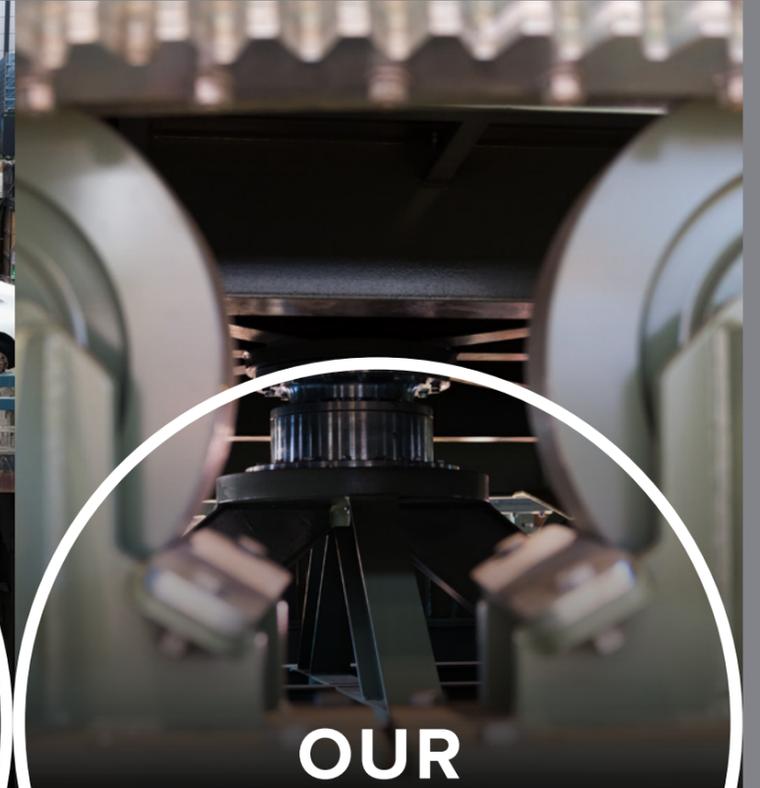
- Residential
- Showrooms
- Construction
- Revolving Restaurant / Rooms
- Mining
- Tunnelling
- Cement Plants
- Warehouse / Loading Docks
- Materials Handling
- Photo Booth
- Emergency Services
- Custom Projects



OUR CLIENTS SAY

Michael Cartisano - Senior Site Manager - Lendlease

"I have now worked with Australian Turntables for over 3 years and I can say with confidence that the products that I have been supplied, installed and maintained have been of a superior standard."



OUR QUALITY

Our products are built with the highest quality and design principles, that gives you a solution that is built to last.

We are accredited with the Australian and international standards:
 AS 4024
 ISO 9001: 2015
 ISO 14001:2015
 ISO 45001:2018



OPTIMISE SPACE

REDUCE SPACE REQUIRED FOR TRUCK MOVEMENTS

MORE ROOM FOR YOU TO WORK

SIMPLIFY TRAFFIC PATH DESIGN

FLEXIBILITY IN DESIGN

CREATE MORE DESIGN OPTIONS

INSTALL INTO SUSPENDED SLABS WITH 250MM SETDOWN

POSITION TRUCKS ANYWHERE

turntables.com.au

**INCREASE
EFFICIENCY**



SIMPLIFY MOVEMENTS FOR END USER

LOAD AND UNLOAD MORE EFFECTIVELY

ELIMINATE DIFFICULT MANEUVERS

**INCREASE PROFIT
FOR YOUR CLIENT**

CREATE ROOM FOR MORE VALUABLE USES

ACCEPT LARGER TRUCKS OR LORRIES

DESIGN FOR EXTRA REVENUE

turntables.com.au

WHY AUSTRALIAN TURNTABLES

Australian Turntables can help you design the available space to maximise benefit:

Australian Turntables have helped hundreds of architects across the globe design loading docks and waste collection areas that work efficiently and safely while generating extra revenue opportunities for the development.

We do this by looking for every opportunity to reduce the space required for truck movements. This provides extra room for services, parking spaces, retail or back of house, or to help meet local government requirements.

With over 30+ years of specialising in helping architects, Australian Turntables have built a reputation of great support and service backed up with the worlds best quality product. Contact us with your design and see how our team helps you.

DESIGN MORE SPACE

CREATE FLEXIBILITY

GENERATE REVENUE

SMART INVESTMENT

OPTIMISE YOUR DESIGN



A COMPANY & PRODUCT YOU CAN TRUST

Australian Turntables deliver products that are robust, reliable and built for many different industries and environments. We also supply turntables at any diameter that can accommodate hundreds of tonnes or multiple vehicles. This means you can be creative and gain maximum benefit for your project.

Reliability is key and Australian Turntables have the experience, with hundreds of thousands of operation hours and a reliability rate of 99.89%, to do the job day after day so your clients don't have to worry.

We work with you from the concept design stage, all the way through, supporting your team in design, engineering, safety, standards, specifications and construction. What is delivered, is the world's best turntable system.

Suitable applications and industries;
Loading docks - Waste collection - Traffic management - Warehouse and logistic centres - Retail & commercial - Health - Government Defence - Education - Emergency services

RELIABLE PERFORMANCE

QUALITY

SMART DESIGN

RETURN ON INVESTMENT



CASE STUDY

ALDI WENTWORTHVILLE NSW

Architect: Conrad Gargett

Project Completion: 2016

Australian Turntables contribution: 12.5 metre truck turntable

Conrad Gargett are a 130 year old architectural firm who work with Aldi Supermarkets on their development requirements. For this project, Aldi had an operating store that had an opportunity to increase revenue if more retail space could be made available.

The existing loading dock and back of house was recognised as the best area to optimise and due to Australian Turntables being a nominated supplier of Aldi, we were engaged to support the design team.

Aldi Wentworthville deliveries are serviced by up to 12.5 metre rigid trucks so we used a turntable of the same diameter and designed the loading dock around the turntable with the minimum clearance possible. To ensure safety was not compromised we also designed and supplied a vehicle positioning and anti collision system that made sure the vehicle was positioned correctly, and stopped the turntable in case a person entered the rotation zone.

This project, built around the turntable gained an extra 470m² of retail space for the Client which provided a return of investment within months and has generated increased revenue ongoing.



COLES TESTIMONIAL



03/12/2020

Ben Chapman
Australian Turntables

61 Collins Street, Kangaroo Flat VIC 3555
t +61 3 5447 0525 | m 0413 160 057
e ben@turntables.com.au
w turntables.com.au

Testimonial,

"Australian Turntables has been on coles approved supplier list for many years, and with their help we have developed a detailed specification that has become a reference for developers and builders on complex mixed-use projects. Dealing with Australian Turntables, taught me that the product is more than just a turntable, but rather it is a whole package of durability, craftsmanship, and details. Recent projects with Australian Turntables was St Leonards, where Australian Turntables was involved in safety and risk management workshop meetings, between Coles and the developer (JQZ). The proposed solutions by Australian Turntables, from sensors, monitors, cameras, and traffic lights, have been integrated in the plan of management of a complex loading dock usage, that will cater for Big Coles Supermarket and Liquorland, Speciality retail shops, Public Library, and 3 Residential towers. I am very confident to nominate Australian Turntable to any project, as I know they will deliver with high integrity, and professionalism."

Yours sincerely

Alan Mhanna
Design Development Manager – NSW / ACT
Group Property



DESIGN A BETTER LOADING DOCK

- Design a loading dock in less space
- Optimise the space for other more valuable uses
- Low profile design suitable for suspended slabs
- A design improvement that pays for itself within months
- A smarter way to position trucks safely

TECHNICAL SUPPORT TO BENEFIT YOUR PROJECT

Autocad files, revit families and technical specifications available for download at

www.turntables.com.au/downloads/



LOADING DOCK SPECIFICATIONS

Model	HTT8-250	HTT9-250	HTT10-250	HTT11-250
Turntable Diameter (mm)	8000	9000	10000	11000
Vehicle accommodated (1)	MRV	MRV	HRV	HRV
Clearance Diameter (mm) (2)	11000	11000	14000	14000
Slab Depth (mm)(3)	250 min./260 max.			
Slab Radius (mm)	4400	4900	5400	5900
Drain Radius(mm)(4)	2500	2500	2500	2500
Drive Pit Setback (mm)	4950	5450	5950	6450
Drive Pit Width (mm)	1300			
Drive Pit Length (mm)	1100			
Drive Pit Depth (mm)	400			
Running Track Radius (mm)	3625	4125	4625	4625
Operating Capacity (kg)	30000			
Operating Speed (Nominal RPM)	0.5	0.5	0.4	0.4
Distributed Load Capacity (kPa) (5)	15			
Imposed Load - Centre (kN) (6)	279	346	429	512
Imposed Load - Running Track (kN/m)(6)	25	27	30	35
Lateral Force on Centre Bearing (7)	116	116	116	116
Minimum Concrete strength (MPa) (8)	25			
Slab Thickness (8)	Subject to client engineering			

NOTES

1. Suggested vehicle. Vehicle classification to Austroads Design Vehicles (2013).
2. Suggested clearance diameter based on the nominated vehicle positioned correctly on the turntable. This clearance zone can be reduced when an optional scanner safety system is implemented
3. Slab surface to be steel trowel finished.
4. Recommended drainage location/s shown. Actual drainage requirements specified by the client engineer which may include grease traps or sump pits.
5. Structural load capacity generally in accordance with AS/NZS 1170. Allows for full use of turntable area as a general trafficable area.
6. Imposed loads stated are, un-factored load based on the Distributed Load Capacity plus the turntable dead load.
7. Lateral Force applied based on a vehicle of maximum turntable operating capacity coming to a complete stop on the turntable from a speed of 10km/h over a distance of 1m.
8. Slab thickness and strength is to be specified by the client engineer.



2
YEARS

Warranty
on moving parts



15
YEARS

Structural
Warranty

QUALITY & WARRANTY

Australian Turntables quality is backed by our 2 year warranty on all moving parts and a 15 year warranty on our structures. Our products are engineered to last.

We offer an extended warranty on moving parts to 5 years, for all customers who engage in an Annual service (conducted by Australian Turntables Service Agent) for this period.

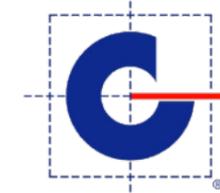
The annual services can be included in your initial purchase to lock in current service rates.

Subject to warranty terms and conditions.



Certification Partner Global
ISO 9001
ISO 14001
ISO 45001
Lic No. OHS/R61/0378

JAS-ANZ



www.jas-anz.org/register



www.intlcert.com

turntables.com.au



OUR CUSTOMERS

A Truck Turntable provides a solution for our customers, allowing them to maximise their space, allowing larger trucks to be loaded and unloaded efficiently. It will also reduce the required space for these zones, adding additional space to the buildings purpose, more retail space or warehouse space.

The traffic flow is much better with a turntable as it will eliminate the need to reverse off the street (impeding traffic) or having a space to turn the trucks around outside the loading docks.

LOADING DOCK TURNTABLES

 coles RICHARD CROOKES
CONSTRUCTIONS mace Built. ANACONDA

DISTRIBUTORS & PROJECTS



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61 Collins Street, Kangaroo Flat 3555
Victoria, Australia.



+61 3 5447 0525



sales@turntables.com.au