

# G L O B A L   C A P A B I L I T I E S



# Local renown, global respect

Vector Lifting is now an experienced global design and construct consultancy. Significant projects in Brunei, South America, China and Taiwan have been successfully designed by our innovative engineering staff and built to exacting standards for various clients. Our expertise in railway vehicle lifting systems is now internationally renowned. Explosion-proof jib cranes for the primary resources industry are another example of our specialist expertise. Should you need to select a design and construct partner who 'knows their way around' internationally, choose Vector Lifting with confidence.





## Specific tasks to turnkey facilities

Since our inception way back in 1974 we have undertaken a variety of engineering projects for clients both within Australasia and in other countries. Some of these have involved major componentry integrated within a processing facility... such as two travelling gantry cranes with a 5 tonne safe lifting capacity designed and constructed for an Oman LNG project. Other projects have been of a complete 'turn-key' nature, with Vector Lifting taking responsibility from start to fully operational finish. The Taiwan High Speed Rail maintenance equipment project is a perfect example of this. So whatever your needs in terms of project dimension, we're keen to talk with you. Our experience is your peace of mind.





**One of Melbourne's famous Trams being prepared for maintenance, safely elevated on Vector's under-floor lifting system.**

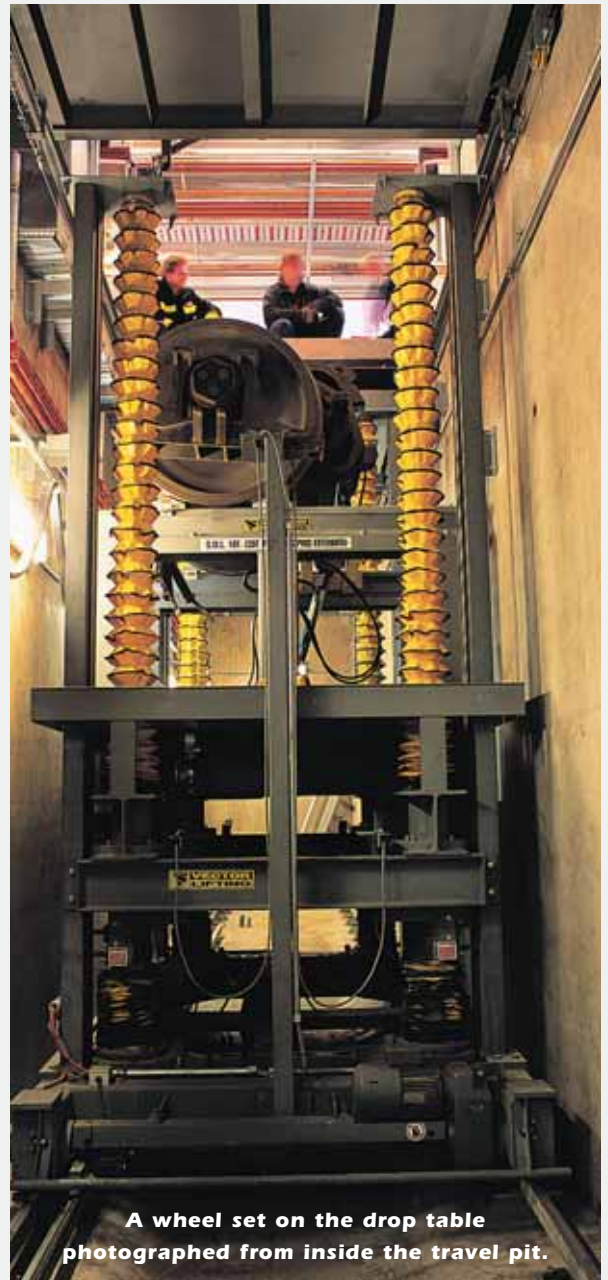


# Innovative maintenance facilities

An efficient maintenance and service facility can mean the difference between acceptable and unacceptable profits. This is especially true when that facility is for light or heavy rail systems, urban transport authorities or long haul passenger and freight terminals. All Vector Lifting systems are designed with a sharp focus on quality and reliability. Safety is also a major consideration. The photos you see here are a cross-section of various heavy and light rail maintenance projects completed for a variety of different clients in different locations. The innovation and engineering excellence found in all of them has contributed to Vector's rapidly developing global reputation as a leader in design and construct projects for this market.



**This four car underfloor lifting system increases safety and efficiency.**



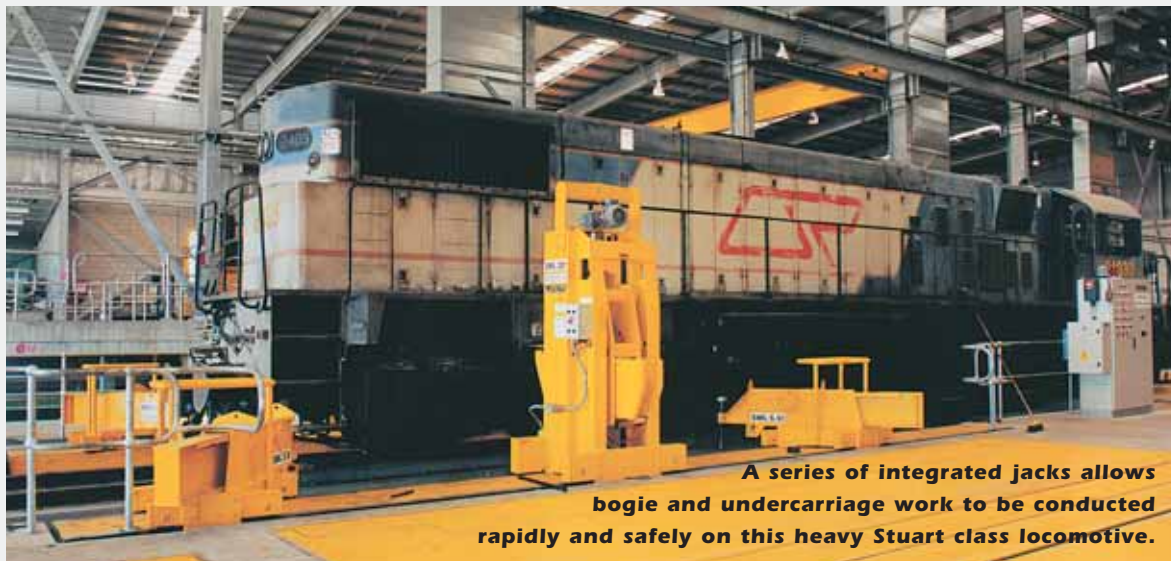
**A wheel set on the drop table photographed from inside the travel pit.**



**Vector Lifting's underfloor lifting system at the Perth Urban Rail Nowrup maintenance facility was completely designed and installed by the Perth-based specialist engineering firm. When not in use it is concealed beneath the floor, leaving a safe thoroughfare for both personnel and vehicles.**



## **Freight and passenger, light and heavy.**



**A series of integrated jacks allows bogie and undercarriage work to be conducted rapidly and safely on this heavy Stuart class locomotive.**



**Vector Lifting purpose-designed and built this Double Lifting Jack System to facilitate repair and maintenance at a wagon maintenance depot.**



Four explosion-proof jib cranes were designed and constructed for Toyo Kanetsu K.K., Brunei.





# Specialist heavy industrial Jib Cranes

Two special explosion-proof cranes are needed to remove pumps during maintenance procedures inside this LNG gas storage tank.



One of two 5000kg Travelling Gantry cranes designed and constructed for Toyo Koken K.K. for the Oman LNG project.

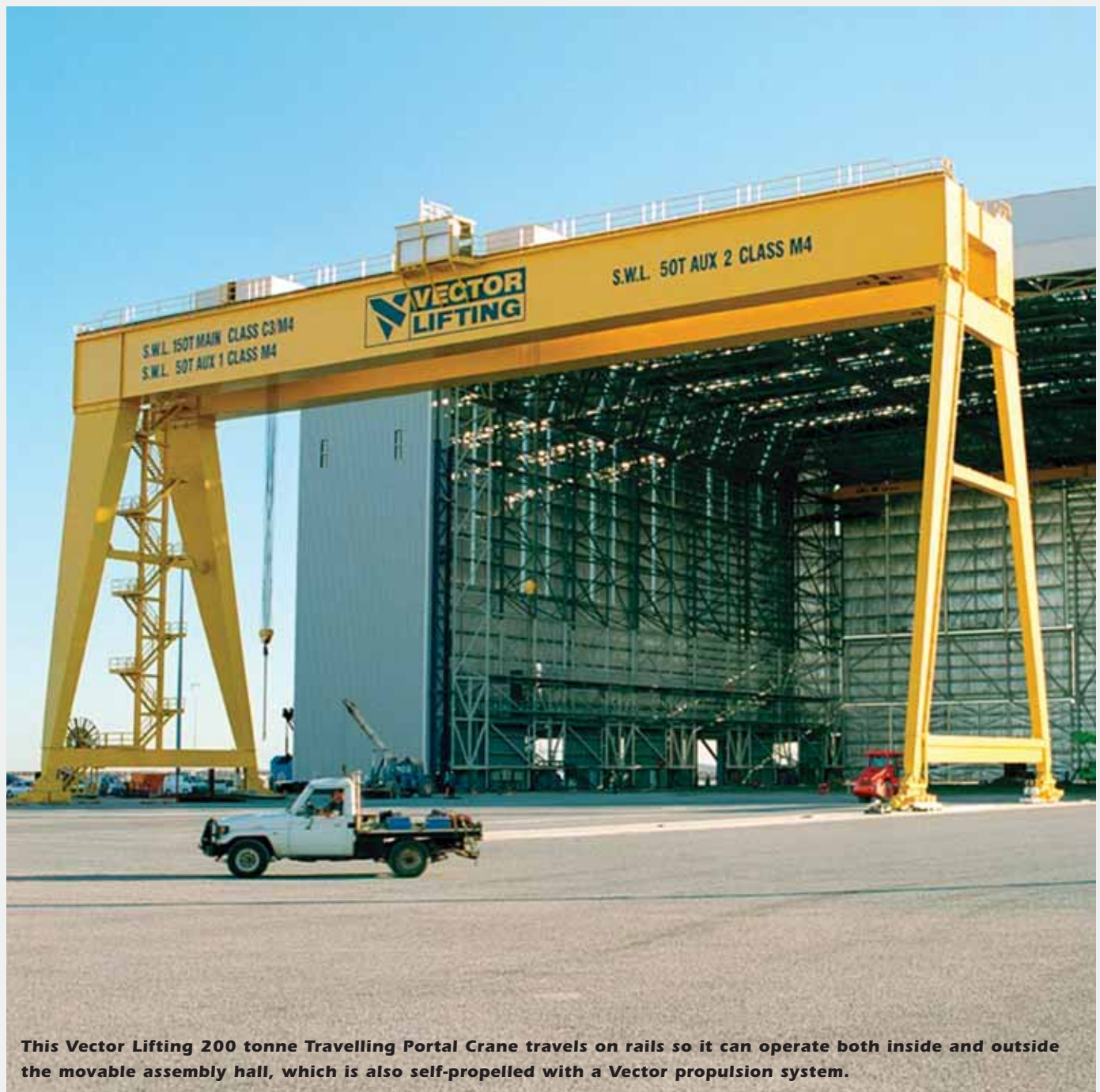


▲ This 4 tonne articulated 360° slewing angle jib crane was designed to operate within a restricted area.

# Interesting specialist engineering projects







**This Vector Lifting 200 tonne Travelling Portal Crane travels on rails so it can operate both inside and outside the movable assembly hall, which is also self-propelled with a Vector propulsion system.**



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