

ONE GIANT STEP FOR LUNAR EXPLORATION

PROJECT:
Lunar Test Facility

CLIENT:
QUT

LOCATION:
Kelvin Grove Campus

LIKE ALL WORTHWHILE ENDEAVOURS, THE CONSTRUCTION OF QUT'S GROUND-BREAKING LUNAR TEST FACILITY WASN'T WITHOUT ITS CHALLENGES.

But thanks to a collaborative approach and meticulous execution of innovative design, this world-leading facility on the university's Kelvin Grove campus is poised to play a pivotal role in advancing lunar exploration.

Designed for the testing of lunar rovers in a simulated moon environment, this striking QUT facility incorporates a number of innovative features.

But before above ground construction could begin, unstable ground conditions meant civil works were required.

The Box&Co team delivered, pouring 268 cubic metres of cement into 81 bored piers with a total depth of 607 lineal metres.

Turn to [page 3](#) to see QUT's ambitious vision brought to life by Box&Co.



SOLID PERFORMANCE IN A SOFTER MARKET

GENERAL ENQUIRY AND COMMERCIAL CONSTRUCTION ACTIVITY HAS SOFTENED THIS QUARTER.

This could be attributed to high cost of living, continued inflation, and the upcoming state election. All of these factors combined have impacted consumer and business confidence.

In addition, any enquiry from private developers is non-existent given the high cost of construction across all sectors.

The next six months will be key to understanding how all markets will respond with the continuation of several large health projects, significant social and affordable housing projects, and the commencement of the required Olympic infrastructure.

Box&Co has performed well in Q4 due to the completion of works in hand from the previous six months. In line with above, enquiry has dropped off and clients appear to be holding off on commencing projects.

We are assuming this will continue until the end of the calendar year following the state election. However, the activity and enquiry level should ramp up sharply in early 2025, given the back log of construction work.

Simon Box

MANAGING DIRECTOR/
BUSINESS INNOVATION
BOX&CO



IN THE WORKS



COCA COLA EUROPACIFIC OMEGA PROJECT

ABOVE: Ahead of the construction of new production lines, Coca Cola Europacific entrusted Box&Co with the careful demolition of filler rooms, including a 300mm concrete suspended mezzanine slab. Our demolition robot was also up to the task, removing 230m of a reinforced concrete hob.

All works were completed in a fully operational facility, with hoarding and staging required.

LEFT: Logan City Council's new depot is taking shape with the construction of a 600m² shed and car park. The facility will be used as a council workshop and hub for the Jimboomba community.

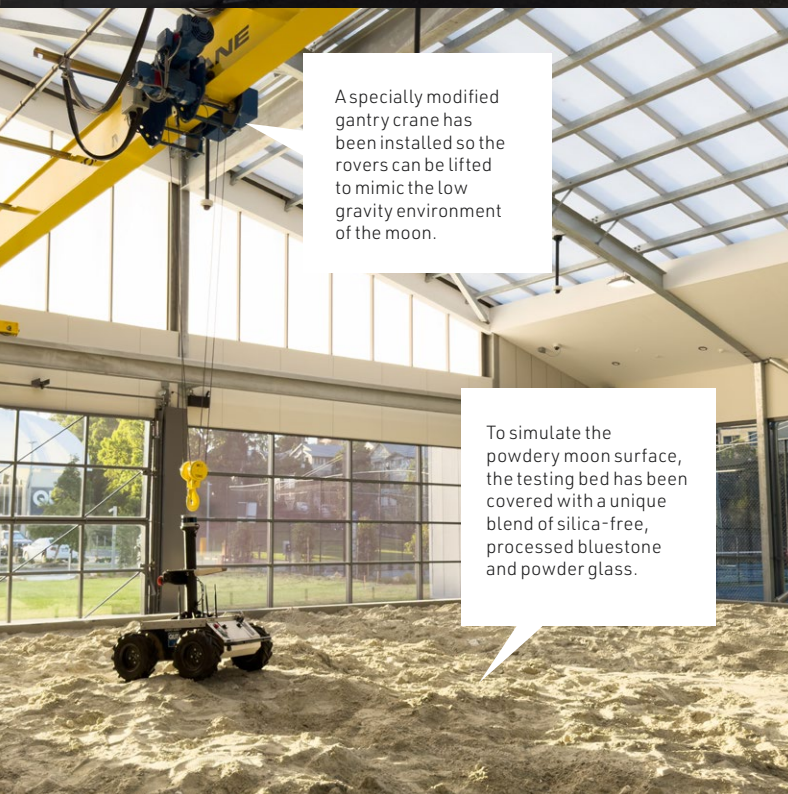


LOGAN DEPOT NEARING COMPLETION

QUT LUNAR TEST FACILITY READY FOR LAUNCH

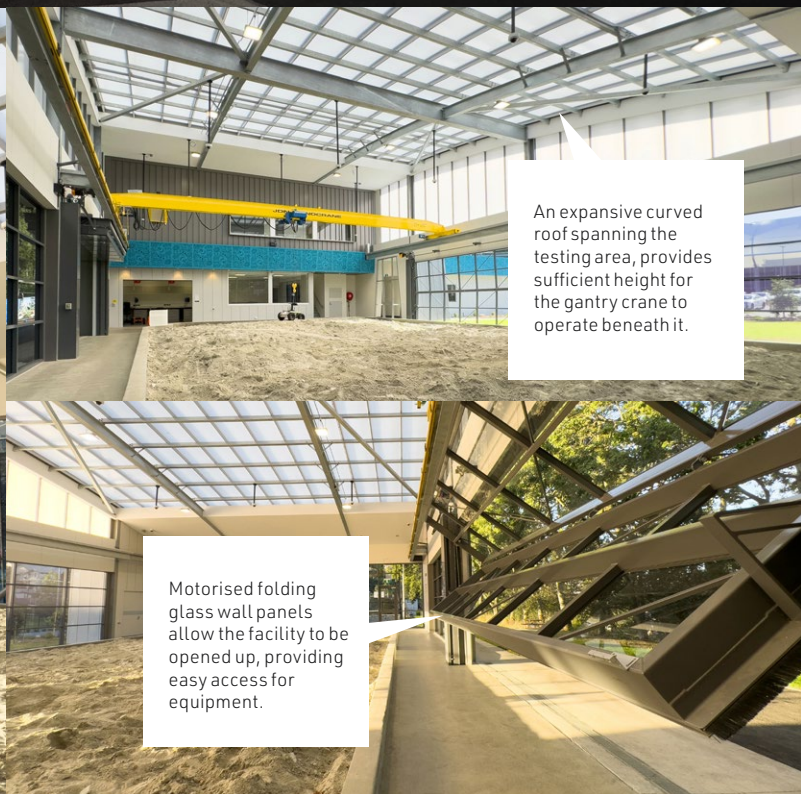


QUT'S STRIKING NEW LUNAR ROVER TEST FACILITY HAS BEEN DESIGNED AND CONSTRUCTED TO SIMULATE THE MOON ENVIRONMENT WITH A LONG LIST OF INNOVATIVE FEATURES:



Aspecially modified gantry crane has been installed so the rovers can be lifted to mimic the low gravity environment of the moon.

To simulate the powdery moon surface, the testing bed has been covered with a unique blend of silica-free, processed bluestone and powder glass.



An expansive curved roof spanning the testing area, provides sufficient height for the gantry crane to operate beneath it.

Motorised folding glass wall panels allow the facility to be opened up, providing easy access for equipment.



Striking laser cut, indigenous themed steel screening around the building has been backlit so that it lights up after sunset.



INSIDE THE BOX



BOX&CO'S HELL OF A DAY OUT

BOX&CO recently swapped the construction site for the race track with a day out at Kingston Park Raceway.

We really value time spent together out of the office/site environment - after all, it's not all about work!

Our competitive spirit on the day far outstripped our driving skills, but most importantly we had a laugh. We've decided to stick to building!



NEW ADDITIONS TO THE FAMILY

THE BOX& CO FAMILY is very excited to welcome two new members! Congratulations to Thomas and Karen, and Sanele and Adrienne on the birth of their beautiful baby girls.



NEW RECRUIT



CODY LEE SITE FOREMAN

A qualified carpenter by trade, Cody has been in the construction industry for over ten years acting in various roles.

We are delighted to welcome Cody, along with his sharp eye for detail and consistently cool-under-pressure approach, to the hardworking Box&Co team.