



## Navigating a vertical confined space to deliver an infrastructure upgrade

## CASE STUDY

### THE PROJECT

To remove existing height safety infrastructure (a long ladder with platforms) from the inside wall of a dry well and replace it with a new installation (spiral stairs winding down the internal circumference of the well).

### KEY CHALLENGES

- **Difficult Access:**  
The only access into the dry well (a tall, narrow, enclosed, cylindrical structure) was a very small opening at the top.
- **Limited Mobility:**  
Options for moving people, equipment and infrastructure in and out of the dry well were very limited (eg unable to utilise cranes, man baskets and scaffolding).
- **Confined Space:**  
Only a limited number of people were able to work safely and swiftly within such a vertical confined space at any one time.

### CLIENT

Pensar

### SITE OF WORK

Dry Well, Brisbane West

### TYPE OF WORK

Infrastructure Upgrade

### SCOPE OF WORK

Rope Access System  
Rope Access Services  
On-Site Risk Management

### KEY RESULTS

- ✓ Upgrade completed
- ✓ Fast, efficient delivery
- ✓ Cost to client minimised
- ✓ On-site risks reduced



## OUR SOLUTIONS

- **Mechanical Rigging & Rope Access System:**  
Scoped, designed and installed a mechanical rope access system to enable the safe but efficient transit of people, equipment and infrastructure in and out of the dry well.
- **Difficult Rope Access Specialist Team:**  
Mobilised a team of highly-skilled rope access operators who specialise in difficult access and confined space environments.
- **Split-Team Approach:**  
Part of the team worked at the access point — organising and preparing people, equipment and infrastructure for transit. The rest worked from inside the dry well — detaching and evacuating existing infrastructure, then installing the new height safety system piece by piece.

## VALUE ADDED

We were able to give our client immediate access to height safety expertise, equipment and services they didn't have on-site and show them a better, safer, faster solution to achieving their infrastructure upgrade.

Our specialist difficult rope access team got the job done safely and effectively with time, cost and risk minimised all the way. The experience of working with them was also revealing and educational for contractors within the client's wider project team, who now have more options for future height safety work.

Most importantly, the dry well has been upgraded with compliant internal height safety infrastructure that is easier and safer to use for all staff and contractors going forward.

