

Rapid Response to Secure Steam Valve on Major Alumina Refinery

SRJ CASE STUDY, East Coast Australia, 2021



PROJECT BRIEF

THE FACILITY

The project took place at a major Alumina Refinery on Australia's East coast.

THE ISSUE

A failed 1" valve was leaking steam at 194°C and 12 bar, restricting any working activities in the area. SRJ was engaged to design, engineer and fabricate an enclosure repair to arrest the leaking steam.

SRJ SOLUTION

RAPID RESPONSE

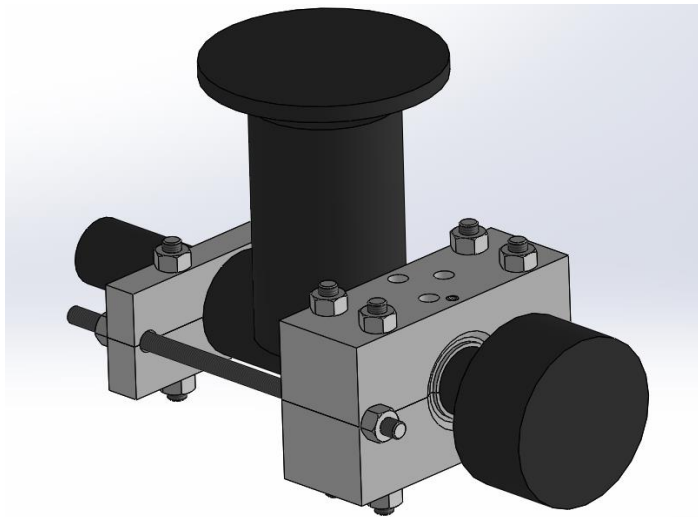
Local team and manufacturing enabled rapid response and delivery – complete engineering solution was designed and issued for manufacture in under 48 hours.

CUSTOMISED SOLUTION

Delivered a bespoke enclosure repair optimised for the unique requirements of the leaking valve. A strongback was used to secure the enclosure and ensure structural integrity of the pipework was maintained.

DELIVERED VALUE

- ✓ **IMPROVED SAFETY**
Secured valve integrity and prevented major containment losses.
- ✓ **MINIMISED PERSONNEL EXPOSURE**
Minimised personnel exposure to high temperature hazardous medium.
- ✓ **QUALITY WORKMANSHIP**
Works delivered safely and efficiently.
- ✓ **CONTINUOUS OPERATION**
The entire repair was carried out on-line, there was no impact to production.



SRJ provides specialised engineering services and containment management solutions for piping systems.

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