

# LAROSA

## MECHANICAL

### WHO WE ARE

La Rosa Mechanical is a specialist provider of fixed plant maintenance based in North Queensland. We support heavy industry with reliable, skilled and safety driven mechanical services. We combine hands on expertise with disciplined work practices to keep critical assets running. Our team understands the pressures of production environments and the importance of minimising downtime. That's why we focus on delivering high quality maintenance, shutdown support, and equipment overhauls with precision and accountability. We take pride in being a trusted partner on site - responsive, capable, and committed to doing the job right the first time.

### OUR SERVICES



#### Fixed Plant Maintenance

Our team of highly skilled professionals provide top quality services for your fixed plant maintenance requirements. We provide ad hoc maintenance support as well as ongoing team members of maintenance crews or crew back fill.



#### Project Management

We support your project requirements providing clear planning, disciplined execution and reliable technical oversight to ensure projects are delivered to a high quality whilst remaining on schedule and budget.



#### Shutdown Support

Our team are highly experienced in shutdown environments. We provide top quality mechanical support while keeping focus on safe delivery.



#### Breakdown Support

We are ready to support you at short notice in the event of a breakdown or unplanned maintenance outage.

### INDUSTRIES WE SERVE

We pride ourselves on our diverse portfolio of clients across various industries. La Rosa Mechanical has extensive experience in industries such as:

✓ Petrochemical

✓ Manufacturing

✓ Coal

✓ Mining

✓ Sugar



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## Pipework Fabrication

- Prefabrication & field installation of pipe spools for all metals. Aluminum, steel, stainless steel
- Welding to customer/spec codes with welders qualified per WPS; fit-up control and root/backing practices to ensure radiographic acceptance
- External NDT capability: radiographic (X-ray) testing, phased-array and conventional ultrasonic testing (UT), magnetic particle inspection (MPI), liquid penetrant (PT)
- NDT procedures and reports per client/industry standards (ASME, AWS, API); full weld map, traceability, and NCR management



## Valve Overhauls, testing and Servicing



- Disassembly, inspection, refurbishment, and reassembly of gate, globe, ball, butterfly and control valves
- Seat and seal lapping, machining, and surface restoration to meet leak-tightness and torque specifications
- Pressure testing (hydrostatic/air) and functional testing to client specification with documented test certificates
- Spare parts sourcing, BOM verification, and recommendations for upgrade or replacement when required

## Precision Shaft alignment

- Laser and optical shaft alignment for rotating equipment (pumps, compressors, gearboxes) and precision alignment for bearings and couplings
- Soft foot correction, shim design, and retrofit adjustments to reduce vibration and extend mean time between failures (MTBF)
- Baseline alignment reports, tolerance analysis, and recommended corrective action plans to maintain efficiency over lifecycle

