

# PONTOON MOUNT SELF PRIMING DEWATERING PUMP PROJECT

PT MEGAPRIMA PERSADA

**REL**  
PT RESOURCE EQUIPMENT INDONESIA



**PROJECT LOCATION:** Coal mine owned by PT Megaprima Persada, Loa Kulu, Samarinda – East Kalimantan Province.

**PROBLEM:** PT Megaprima faced a significant mine water condition in Pit Loa Kulu work area with acidic water condition and abrasive material that required a pump that was both efficient and materially resistant to these extreme water and conditions.

**SOLUTION:** PT REI conducted a field survey and tested the water and materials using one of the best metallurgy laboratories to decide which pump to use. PT REI upgraded the pump assets allocated using CD4MCU material or commonly known as duplex stainless steel that is very resistant to corrosion and also abrasion. The discharge pipes parts were also upgraded using stainless steel 316 materials to deal with acidic water.

**SERVICE PROVIDED BY REI:** Site and product assessment, equipment recommendation, installation, commissioning, testing and provision of a dedicated, experienced pump operator.

**PROJECT SCOPE:**

Minimum Product Discharge:	222 litre/second
Static Head up to:	60 m
Pipe Length:	1,000 m
Specific Gravity:	1.00
pH:	6 - 7

**DURATION OF PROJECT:** 6 months extended

**EQUIPMENT PROVIDED:** 1 x PT REI's High Flow Heavy Duty REL-MF420EX Cat C-27 ACERT pump unit, fitted with duplex stainless / CD4MCU components, mounted on custom designed and constructed pontoon.

**RESULT:** Our client was more than happy with the outcome which was completed on time and on budget with our equipment remaining 100% available whilst on site.