



Project: *Booster Pump Station*

Location: *Al Jubail, Saudi Arabia*

Completion: *June 2023*



Scope of Work

In June 2022, Neumann Contractors were awarded a major contract for the design, engineering, manufacture, coating, delivery, and commissioning of a floating booster pump station for an international client in Saudi Arabia.

The booster pump will accompany the already working Neumann dredger that was designed, built, and commissioned some 25+ years ago, which is a true testament to the quality and durability of any Neumann product.

The booster pump will be one of five pump stations required to ensure operational efficiencies are maintained as the dredger moves further away from the mineral processing plant.



Keys to Success

- Long standing client relationship built over many years.
- Extensive FEA (Finite Element Analysis) and collaboration between the construction team and our in house engineers ensured the best design principals were applied.
- Strong knowledge of all telemetry requirements and VFD/PLC systems needed to tie into existing equipment.
- Working closely and co-ordinating with suppliers on long lead items to ensure commissioning program was maintained.



Challenges

- A team of fitters and engineers were required to travel to Saudi Arabia upon arrival of the booster pump to begin commissioning of the unit in the salt pond.
- Language/culture barrier between AUS and Saudi engineers.
- Ensuring the strict adherence to international standards for all steelwork and operational equipment.
- Securing favourable terms on all long procurement lead time items for key equipment.

