

# CASE STUDY



## A&P GROUP

### ▪ DREDGER OVERVIEW 2020

**A&P Group has long been recognised as a specialist for offshore vessels, dredgers and tankers and its Tees facility in particular, has become a centre of excellence in the field.**

Over the last year A&P has carried out numerous highly specialist dredger jobs which have extended vessel life significantly and reflect the group's in-house engineering and fabrication expertise.

One of the most significant projects involved trailing suction hopper dredger Heortnesse, which saw its life extended by in excess of 15 years. A&P Tees began fabrication and preparation work well in advance of the 40-year old dredger's arrival in dock to ensure the quick turnaround required by the client, PD Ports. The program included changing the propulsion drives to allow the vessel to operate on just two generators, instead of three, to deliver a significant reduction in fuel consumption.

In total 30t of steel was renewed including coaming shells, cross bracings, pipework and platforms. The deck-dredge hydraulics and control systems, as well as the alarm and communications systems, were also renewed. The dredge system was also refurbished with a new dredge pump, dredge pipework, densitometer and dredge monitoring system installed. The work was carried out over two dockings - the first of which was completed two weeks ahead of schedule.

More recently, A&P Tees has completed vital maintenance and repairs for suction dredger Arco Beck, which included urgent stern seal renewals.



During a 16 day docking, the team pulled the port and starboard shafts to facilitate the renewal of the seals. A&P assisted the OEM by providing labour and machining expertise to renew the seals, before they were re-installed. The time in dock also presented an opportunity to carry out various steel repairs and pipe renewals as well as other work, including cleaning the hubs, renewing the unloader luffing sheave and repairing the tower boiling box.

Additional projects for A&P Falmouth have included repairs to Cemex's dredger, Welsh Piper, which operates in the Bristol Channel. The 20-day programme comprised steel renewals, a full hull repaint, general dry dock survey items including valves, coolers, anchors, chains and seaboxes, and repairs to the dredging equipment.



***Dredging keeps our waterways and ports navigable, so it's essential that we support operators by keeping their vessels in the best condition and minimising downtime. Our on-site fabrication capabilities, focus on pre-planning and exacting project management play a pivotal role in making this possible and extending dredger life significantly.***



**David McGinley**

Managing Director of Atlantic and Peninsula Marine Services Limited

**We are A&P**