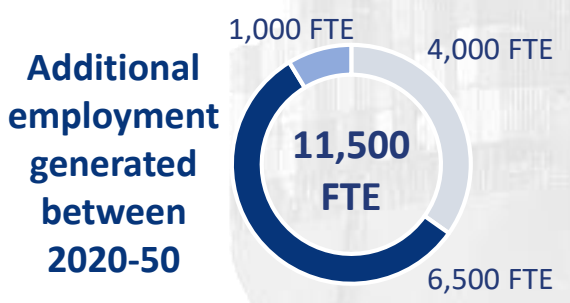
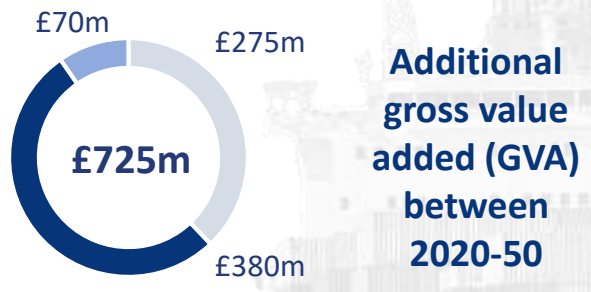
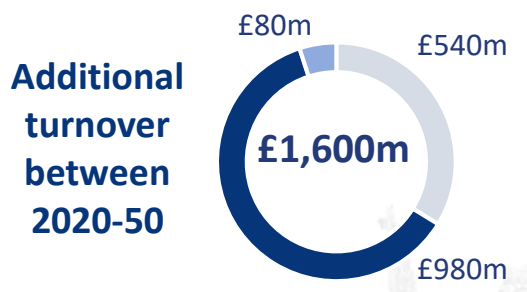


Consultancy research into UK Maritime Tech sector



£560m R&D investment could support...

Industrial impacts¹



- Technology developers & manufacturers
- User segment (shipping, port, marine engineering, scientific)
- Marine business services

1) Assuming initial government investment of £319m and £241 match funding (£560m total) invested over 4 years and a CAGR of 2.8% p.a. All values in 2020£.

Knowledge spillovers



£56 million in additional knowledge spillovers generated between 2020 and 2070.

Safety benefits



Smart shipping technologies could have prevented **£5 billion** in casualties between 2012-19, including preventing 5,600 injuries; 472 lives lost; 19,100 damaged ships; and 155 ships sunk.

Environmental impacts



At sea, a 1% efficiency gain can save up to **273 tonnes** of CO₂ for one journey (equivalent to 60 fewer cars on the road for one year).²



In ports, using shore power could save up to **477 tonnes** of CO₂ per stay (equivalent to 104 fewer cars on the road for one year).³

2) 20,000 TEU vessel between Felixstowe and Los Angeles.
3) 20,000 TEU vessel staying for 65h using the UK energy mix.

Technologies most likely to be delivered by the UK:



Smaller autonomous vessels



Smart shipping sensors



Data and intelligence services



Command and control systems



Training



Smart shipping cyber security and risk management

