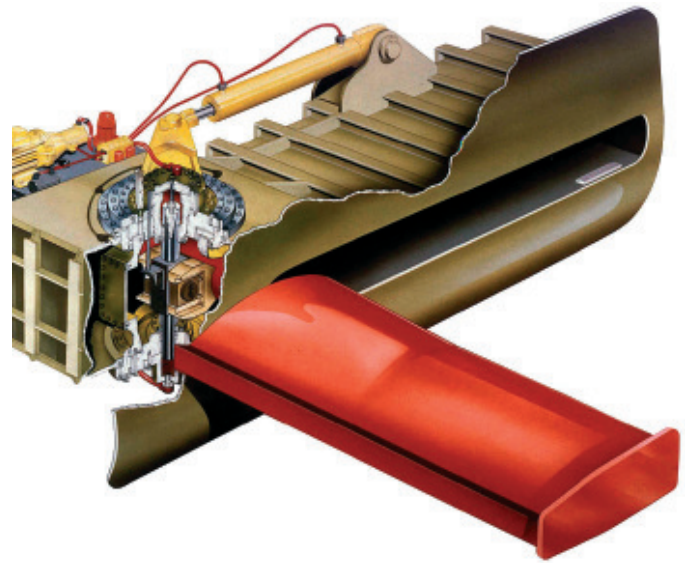


# Customer case: Rolls Royce



## No rolling for marine computers

*Rolls-Royce is probably one of the most famous companies in engineering throughout the world. Rolls-Royce plc is a global power systems company providing power for land, sea and air, with leading positions in civil aerospace, defence, marine and energy markets. Rolls Royce marine division focus on power, propulsion and motion control solutions by serving over 2,000 customers with equipment installed on 20,000 commercial and naval vessels.*

### Fin stabilisers – why and what is it?

Fin stabiliser systems improve safety, vessel performance and give nice benefits like increased passenger comfort and lower fuel costs. Cargo lashing can be reduced combined with enhanced cargo protection. Rolls Royce fin stabiliser systems use one or more pairs of hydrofoil shaped fins projecting from the vessel's bilge area. Vessel speed and the angle of the fins in the water determine the amount of lift generated and whether it is upward or downward. The stabiliser system senses the degree of ship movement and signals the stabiliser fins to return the vessel to an even keel. Rolling is reduced by 80–90 % when compared with that of an un-stabilised vessel.

### Rugged PC for control and information

Rolls Royce uses JLT computers to display status and allow control of functions within their ship stabilising system. A new user interface in the PC:s has made it easier to use the system. Stabilising systems are nowadays a vital component in many vessels including super-yachts, ferries and container ships. Rolls Royce motion control systems are renowned throughout the maritime world for their performance and reliability.

### Complex certification process

When installing advanced equipment on ships, EU's Marine Equipment directives must be followed. For computers, the IEC standard 945/60945 is applicable. To meet the requirements for certification, JLT developed a marine computer for Rolls Royce. After extensive testing, our product solution was chosen due to hardware features, quality and durability but mostly because the service and support corresponds to Rolls Royce's demands.



Model: JLT10021  
CPU: VIA 1000 MHz  
512MB RAM, 60GB HD, Touch Screen, Custom front