
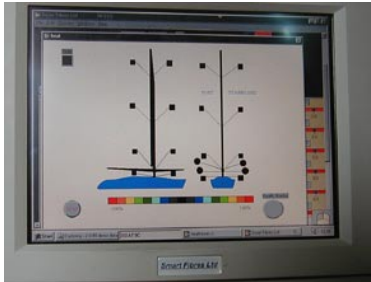

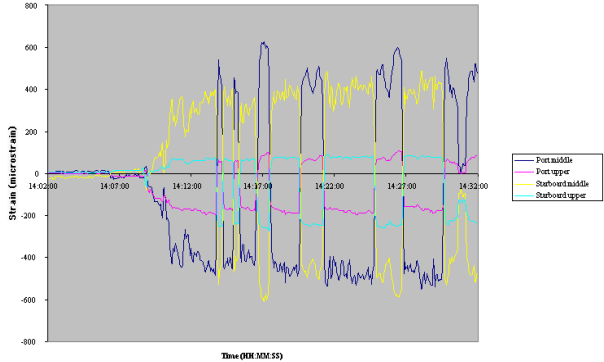


Benetau 42s7 Mast Monitoring

Project	Monitoring of AeroRig ® mast and boom of Yacht ‘Smart’ for system development and demonstration.	
Client	Smart Fibres	
Date	2000	
Location	England	
Sensors	Multiple bare FBG strain and temperature sensors	
Attachment	Embedded within the composite laminates	
Interrogator	OFSSSI	
Images	 <p>Above. Beneteau 42s7 Sailing Yacht with Smart Fibre Optic Monitoring</p>	  <p>Right. On-board data acquisition and display.</p>
Results	<p>Strain and temperature sensors were embedded within the mast and boom sections of the composite AeroRig ®. Data from the sensors were acquired using an OFSSSI interrogator, and presented on a data display.</p> <p>The system development was highly successful and numerous demonstrations led to the adoption of optical fibre strain sensing in numerous other markets. The Smart demonstration was also featured on BBC TV’s technology showcase “Tomorrow’s World”.</p> <p>The system remains operational today.</p>	
Further information	Please contact us	