


COSTA CONCORDIA – WRECK REMOVAL

- Project
 Technology
 Waste Management
 Operator
 Cleaning
 Well P&A
 Disconnection
 Removal & Lifting
 Other (Please Specify)

Company Details		
Company Name	Ardent	 ARDENT
Email		
Tel no.		

Overview (max 250 words)
<p>Year: 2011 – 2014 Location: Italy Vessel Type: Cruise Vessel</p> <p>Costa Concordia, a 292m, 114,147 GT Cruise ship, wrecked on Isola del Giglio, Italy. The vessel was lying across two fingers of rock and was unsupported in the mid-section and at both ends. Salvaging the ship was complex and challenging: it was the biggest salvage operation of its kind in maritime history.</p> <p>Ardent was contracted to refloat the vessel, prepared with over 40,000 manhours of engineering and fabricated multiple unique tools fit specifically for the vessel.</p> <p>To begin, Ardent created metal patching to prevent further tearing and then attached sponsons to increase buoyancy and help with stabilization. To right the vessel, a parbuckling system utilizing 32 strand jacks was used. Once the vessel was parbuckled, additional sponsons were attached to the starboard side and the vessel was refloated. The vessel was then towed using 2 tugs and 6 escort vessels.</p>

Results (max 250 words)
<p>Ardent managed over 530 people working onsite including 55 certified welders and 130 certified divers. Despite the project's complexity, it was executed safely and successfully.</p>

