



Home News Daily Writers Add to Site Archives Identity Contact Us Set as Entry Page Add to Favorite

HOME
NEWS
SPECIAL NEWS
ANALYSIS
PORTS
REPORTS
TRANSPORT
SHIPBUILDING
SEA SPORT
IMO&EU NEWS
MARINE CULTURE
TURKISH MARITIME
FINANCE
MARINE ACCIDENT
TURKISH STRAITS
CHAMBER&SHIPPING
CONTAINERS
ENERGY
TANKER NEWS
TOURISM

SEARCH

 Search

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Details of Guam Dry Dock Refloat

25 Mart 2011 Cuma 11:07



Resolve Marine Group has released some details on how it successfully raised and refloated the "Machinist" dry dock at Guam Shipyard in Apra Harbor, Guam.

Advert



The 825 ft floating dry dock sank on January 2, 2011 during a rough weather event. Resolve - whose prior experience includes raising dry docks-- was the successful bidder for the salvage job. Resolve began the salvage on January 31 and successfully refloated the dry dock on March 3.

Resolve's salvage master, salvage engineer, and salvage divers first conducted a comprehensive casualty

assessment to determine the structural and watertight conditions of the dry dock and to assess the status of dry dock systems.

A detailed engineering analysis was undertaken and a salvage plan was developed and implemented, involving extensive preparatory work both topside and underwater.

The dry dock was submerged at a depth beyond normal operating limits, so great care was taken to minimize hydrostatic pressures on tank boundaries during the refloating, and to keep global hull stresses and stability within allowable limits. The U.S. Coast Guard and U.S. Navy reviewed and approved the complex salvage plan.

Due to the extensive maintenance being performed on the dry dock prior to sinking, a large portion of its pumping system was inoperable. To overcome this challenge, Resolve mobilized 12 high-capacity electric salvage pumps. Additionally, numerous gauging systems were established to monitor tank pressures and condition throughout the



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Writers >>



Enhancing maritime safety and security
Esteban Pacha



Shipyard can not be closed because of accident



The International Regime on Liability
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Seaman love depth horizons
Metin Kalkavan*



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Shtokman gas project partners have selected a US based firm to provide process simulation services for the giant Barents Sea offshore project.

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Currency
Surcharge

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İstanbul 9/12 °C

İzmir 12/18 °C

Antalya 11/19 °C

Trabzon 7/14 °C

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refloating operation.

"Large sunken dry docks are notorious for testing your skill and tenacity, and this was no exception," said Resolve Salvage Master Todd Schauer. "We were fortunate to have the support of an outstanding team including our client Guam Shipyard, as well as Heger Drydock and Mako Diving.

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World Learns from Dutch
NYK to Ship Aid Via Vessel Platform
McLellan has Joined the Team

Pacha to run for IMO Sec. General



Esteban Pacha, Director General of The International Mobile Satellite Organization (IMSO) declared his candidacy for the International Maritime Organization Secretary General elections to be held in June 2010.

ANALYSIS

To Promote Maritime Growth



The European Commission, the European Investment Bank and the International Maritime Organization have launched (on Tuesday, 22 March) a study.

VIDEO GALLERY



Sefine
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LNG carrier
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