

## DORMAC RECENT LARGE PROJECTS

### Africa Mercy (Mercy Ships)



- 2 x CCP and Tail shaft works.
- Rudder works.
- Steel repairs Ballast, FO Tanks, decks, ventilation ducts and units and shell plate.
- Installation of BWT System
- Pipe Renewals – SW Cooling, Fire Lines, Tank Vents, air, etc.
- Intermediate shaft alignments
- Sea Suction and Overboard Valves
- Blasting, Cleaning and Painting – Hull, Tanks, Decks, etc
- Anchors, Chains, and chain lockers.
- Mast Repairs
- Sprinkler Control valves – Pipe mods and installations
- Electrical Works
- Medical Equipment Installations
- Various cabins, hospital areas, etc upgrades and repairs
- UTM and NDT works.
- Main Elevator Replacement
- Load Testing
- Various Pressure testing
- Crane Works
- HVAC Works and Cleaning of HVAC Systems
- Main Engine Coolers servicing
- Shipwright Works – Galley and Dining Room upgrades
- Deep Cleaning of the vessel
- Insulation works.
- Site establishment
- Sea Chests and Bottom Pugs

US\$ 6 200 000



### Skandi Seven ( DOF )



US\$ 3 400 000

- Thruster overhauls
- Main deck fitted T bars with new capping to suit.
- Hull Preservation HP wash, Blasting and painting.
- Valve overhauls.
- 250 Ton Crane overhaul.
- ROV hanger upgrade.
- Ballast water piping renewals.
- BWTS piping support.

### Deepwater Orion ( Transocean )



US\$ 630 000

- Modification to mud system piping
- Fabricate and install vent line from degasser up to Derrick bleed off.
- Fabricate and installed 10T winch base on drill floor.
- Fabricated and welded V-Door pad eyes.
- Fabricated and fitted potable water dosing line.
- Fabricated and fitted new 3<sup>rd</sup> party refuelling lines sack room and pipe deck.
- Carried out steel repairs.
- Carried out painting preservation works.

### MT "SEA PAHTOM / MT "SEA EMPEROR"



Docking Completion



2 x BWTS Deck  
under construction

Estimated value for both vessels US\$ 3 000 000.00

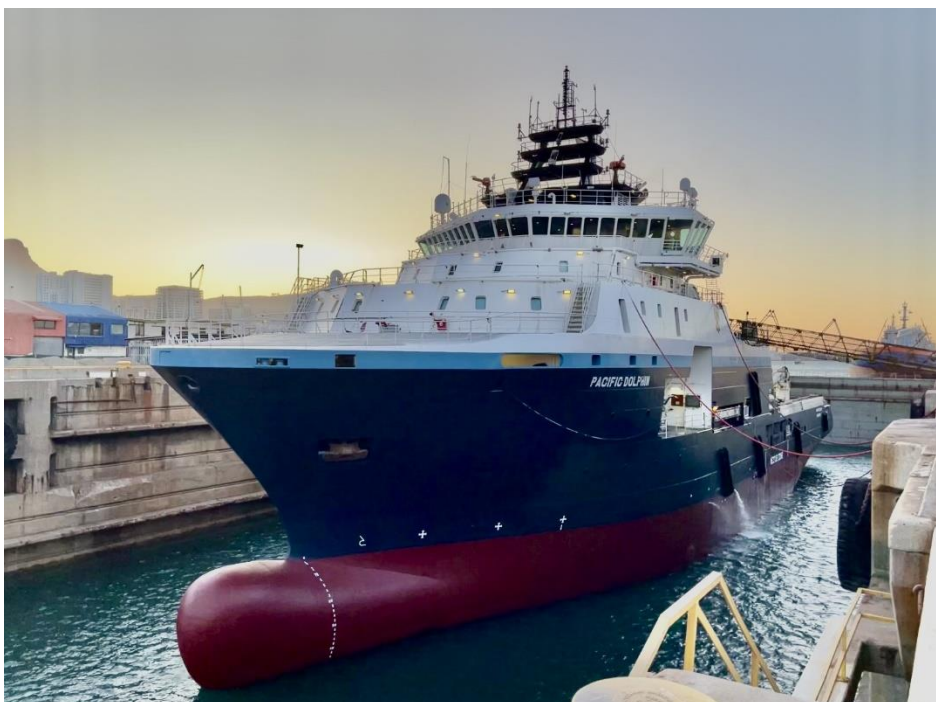
Simultaneous Dockings of two sister vessels (128mx 20.4m, 13083 DWT).

Complete 3<sup>rd</sup> Special survey on both vessels with new BWTS Parnassia Systems installed on both vessels. BWTS Systems were fabricated and installed from drawings. New cargo metering systems installed as well as attending to full class requirements.

The STS tankers operate offshore West Africa supplying fuel and cargo to passing trade.

Both vessels docked in Dormac's own floating docks in the Port of Durban.

### Pacific Dolphin 3rd SPS Dry Docking ( Tidewater )



US\$ 850 000

- Thruster overhauls
- Tail shaft overhauls
- Valve overhauls.
- Installation of BWTS
- Overhaul all hydraulic cylinders.
- Install DP redundancy system.
- M/E cylinder head overhaul.
- Hull Preservation HP wash, Blasting and painting.
- SW & hydraulic piping renewal.
- Main Deck capping renewal.
- Kort Nozzle Repairs Port and Stb.



**MV GLADIATOR/ MT UOG ANDROS/ MV ORION 1**



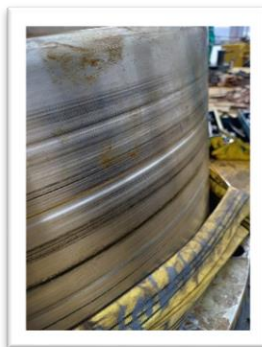
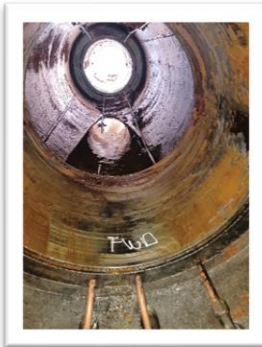
All three vessels, with very similar Stern Tube bearing problems, alongside simultaneously. The MV Gladiator was first with a delaminated fwd and aft bearing and damage to the tail shaft and stern tube.

The MT UOG Andros (182mx32.2m, 50 000DWT) was second with very similar problems and had no indication of excessive bearing temperatures.

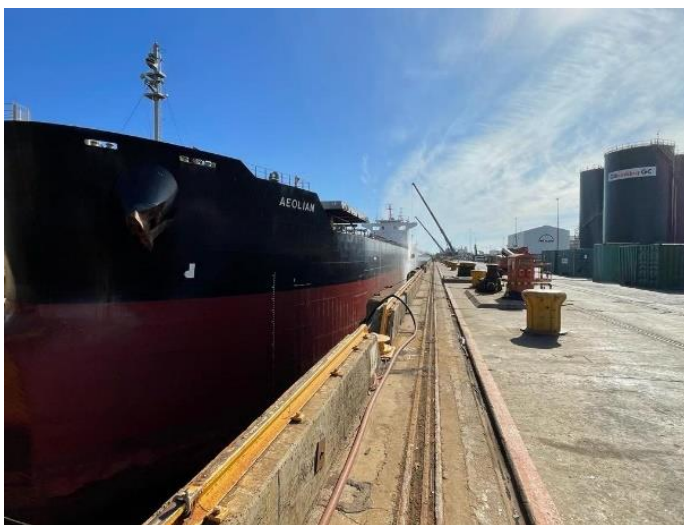
The Cape Size MV Orion 1 (295mx46m 180000DWT) broke down in the Atlantic and was towed with a locked tail shaft to Durban for the repairs to be carried out.

This included bearing re-metaling, Reboring the stern tube, machining of the badly damaged shaft, adjustment of the tail shaft alignment, new liner, etc.

All vessels had repairs carried out in an afloat condition.



**MT Aeolin - VShips - Costamare**



- Hull Blasting and Painting
- Cargo Hold Blasting and Painting
- Valves
- Pipe Renewals
- Engine Works
- General works – minor steel, brake bands etc

**US\$1'10000**

### Engen Diesel Storage Tank



January 2022

- Tank dimensions
  - Diameter 27.4m
  - Height 15m
  - Weight 240 tons (Shell & Roof)
- Tank jacked up to replace annular ring and floor 50 tons
- Design for floor, sump, roof columns and nozzles
- Engineering for lifting of tank, FEA
- Nozzles replaced as per API650
- Roof columns modified to comply to API650
- Drain sump modified
- Internal and external grit blasted and painted

### Bold Mariner



March 2022

- Collision damage
- Port side top side tanks steel renewal
- 14 tons of steel replaced
- Work carried out at inner anchorage Walvis Bay harbour
- Blasting and priming of new steel
- Replacement of pilot ladder and handrails
- Repairs to lifeboat platform
- 16 days to complete

### Vishva Anand SCI



- Installation of new owner supplied rudder
- Machine rudderstock taper and blue
- Carried out alignment and instu machining of upper rudder stock neck bearing housing
- Carried out alignment and instu machining of rudder horn bearing housing
- Overhauled complete steering unit
- Fit it rudder stock
- Fit 50ton rudder
- And Commission

**MV Bulk Titan  
Sompo Japan**



**US\$5 million**

- **March 2021**
- **Grounding damage repair**
- **180 ton double bottom steel hull renewals.**
- **Prefabricated bottom panels 30t each**
- **Cleaning and coating of tanks**
- **Hull washing and recoating**
- **Pipe repairs**
- **45 days delivery**

**Seaboxer II  
Thenamaris ConBulk Inc**



**US\$1 million**

- **June 2021**
- **Bow collision damage repair**
- **Afloat repair at Dormac private quay.**
- **45 ton steel hull renewals.**
- **Re-design and fabrication drawings**
- **Steelwork blasting and coating**
- **33 days delivery**



### Subsea Fabrications – Offshore Mining



US\$0.6 million

- February 2021
- Offshore subsea fabrication
- 50 tons structure
- Subsea coating specifications
- 3D laser dimensional control
- Line boring and surface machining
- Special welding procedures
- Post weld heat treatment

### Sea Harvest – Harvest Krotoa



US\$ 0.5 million

- December 2020
- Grounding hull damage repairs
- 30 ton Steel Renewals
- Rudder and stock replacement
- Kort nozzle repair and propeller replacement
- Tail shaft overhaul
- Gearbox alignment
- Steering gear renewal
- Fish hold concrete insulation repairs
- 11 weeks

### Kenmare Moma Processing Ltd Barge Peg & TUG Sophie III



US\$4 million

- November 2020
- Full special survey dockings
- New Cummins Generator installed
- New thruster/s installed
- New capstan installed
- 152 tons of steel fitted
- Main Engines and hydraulic overhauls
- Full Blast and Paint
- New ACCOMODATION/ Galley upgrades
- 15 weeks

**Ya-Sa Gemi Isletmeciligi  
MV Yasa Unity**



**US\$1.6million**

- **October 2020**
- **Boiler Fire damage repairs**
- **Repair Boiler and incinerator**
- **Renew Boiler deck steel work**
- **Overhaul alternators aligned to the boiler system**
- **Renew insulation and paint work in the funnel**
- **Renew cabling and automation systems**
- **8 weeks**

**PGS GEOPHYSICAL  
RV PGS APOLLO**



**US\$1,4million**

- **Full dry docking with Azimuth thrusters and tail shafts removed and overhauled**
- **Blast and Paint**
- **Gym & mess flooring, panels and finishes fully renewed.**
- **All sea valves removed and replaced with owners supplied valves.**
- **HVAC maintenance**
- **Pipe works**
- **Seismic dept repairs included overhaul of rope reels with mods, HPR system**
- **Both windlasses removed and repaired**
- **Tank and hull steel repairs**

**Greatship Global Offshore  
PSV Greatship Manisha**



**US\$600k**

- **November 2020**
- **2<sup>nd</sup> Special survey**
- **Full Generator/ Engine overhauls**
- **Silicon hull treatment repairs**
- **All cranes/ davits serviced**
- **General shop fitting**
- **Electric Motor overhauls**
- **Pull both shafts and renew seals**
- **Coolers to be cleaned.**
- **Various Pipe Works**



**SAIPEM (Portugal) Comercio Maritima  
S12K Drillship**



**US\$9million**



- June 2019 – September 2019
- 2<sup>nd</sup> SPS in Coega Port
- 90 day project completed in 70 days
- Load Test Campaign
- Tank Cleaning
- Thrusters
- Mooring Chain & Anchor
- Alternators
- Anti Piracy
- Maintenance of Electric Motors
- Helideck Monitoring System
- Network LAN for DECT & Wifi
- Braking Resistors
- Side Valves
- Diverter Housing & Diverter Valves
- Uwild Survey
- Replacement of CAPV

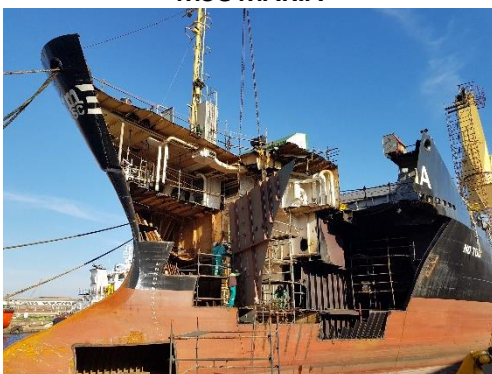
**MSC – SORRENTO  
MSC INES**



**US\$8 million**

- October 2017 – 7 months
- Vessel badly damaged in Storm in Durban Harbour
- Complete rebuild of steering system including stock
- 120 ton rudder and 60 ton bent stock removed afloat with engineered solution.
- 280 ton Transom section rebuilt and fitted afloat
- New stock and steering gear supplied by OEM
- Steelworks in all damage affected areas.

**MSC – Cyprus  
MSC MARIA**



**US\$2 million**

- April 2018 – 2 months
- +100 tons steel repair post Hijack Collision
- Port forward collision repair including all internals, electricals, mechanicals and piping and starboard deformation rectification.
- Coating of all surfaces before departure.

**Empresa Mocambicana de Dragagem  
Macuti Dredger**



**US\$ 10million**

- February 2017 – 7 months.
- Vessel lay submerged for 3 months and afloat for 4 months post collision in the Beira River.
- Complete rebuild of the accommodation, engine room, pump room, control room, Cort nozzles, steel repairs to collision area and full blast and docking.

**Maersk Drilling  
Maersk Deliverer  
UD\$ 5million**



- July 2015 – 6 weeks.
- DNV GL survey of all tanks, hull, chain lockers and piping systems.
- On route thruster change out
- Ranging for survey of all 8 anchor chains & repairs of anchors.
- Renewal of all anodes on remaining 7 thrusters
- Servicing of Hi-pap and all sea valves
- Major overhaul of Subsea crane
- Replacement of Kentz crane jib
- Electrical upgrades
- HVAC and galley upgrades
- New Installation of mud pit mixers

**Transocean  
Celtic Sea**



**USD\$ 30mil**

**March 2010 – 18 weeks.**

- Major SPS and upgrade/modifications.
- ABS survey of all tanks, hull, chain lockers and piping systems.
- 154 tons of steelwork repairs and modifications.
- Over 400 m's of new pipe work.
- Cleaning & coating 8500 m<sup>2</sup> of machinery spaces and decks.
- Ranging for survey of all 8 anchor chains & repairs of anchors.
- Complete refurbishment of all 8 anchor winches inclusive of rebuilding and machining of brake surface on the drums.
- Upgrade of accommodation areas & HVAC upgrade



**Subsea 7 –  
Seven Polaris - Pipe Lay Crane Vessel**



**US\$ 28mil**

**May 2012 – 14 weeks.**

- Extensive repairs and modifications during her 30 year SPS
- Fabrication & Repair of 150 tons of steelwork.
- Over 3500m of cooling water piping systems.
- Main & Aux engines exhaust insulation and cladding
- Complete overhaul of 4 x 40ton RR Azimuth thrusters.
- Complete overhaul of 2 x bow & stern thrusters.
- Overhaul of 4 x Ulstein Bergen thrusters engines.
- Wartsila and GM generator engines.
- Volvo hydraulic power pack engines.
- Repairs of the main 1600ton Clyde crane winches.
- Hydraulic repairs to 2 x Manitowoc crawler cranes.
- Refurbishment of 2 x ROV Launch & Recovery "A" frames.
- Hydraulic system upgrades and modification.
- 92 electric motor overhauls of various sizes, main alternators, bow & stern thruster motors (1,400KW).
- Overhaul of switchboards & crane boom flood lighting.
- The installation of a new 120 ton winch on the main deck
- Hull fenders were fitted with new wood.

**Chevron  
LPG FSO Escravos**



**US\$ 30mil**

**August 2009 – 10 weeks**

- First SPS (10y) dry docking and refurbishment.
- 100% hull blasting and recoating program covering 18000m<sup>2</sup>.
- Installation and commissioning of a diesel generator module (130 tons) to increase the power supply capacity on board.
- Approx. 80 tons of shell repairs.
- High spec Cryogenic pipe work in SS and carbon steel.
- Various pipe system renewals.
- Accommodation repairs.

**Unical - Fumana**



**US\$ 10.3mil**

**Jan 2008 – Jun 2009**

- **New build**
- **Consists of nearly 1000 tons of steel**
- **Using the latest in barge design and technology, the vessel allows for maximum fuel carrying requirements in mind and will be able to deliver bunkers at a rate of up to 1000 tonne/hr**
- **Other design features include optimal manoeuvrability, advanced safety features and the capacity to carry some 5000 tonnes of marine fuel (fuel oil, gas oil and diesel oil)**

**KCA Deutag  
Ben Avon/ Ben Rinnes**

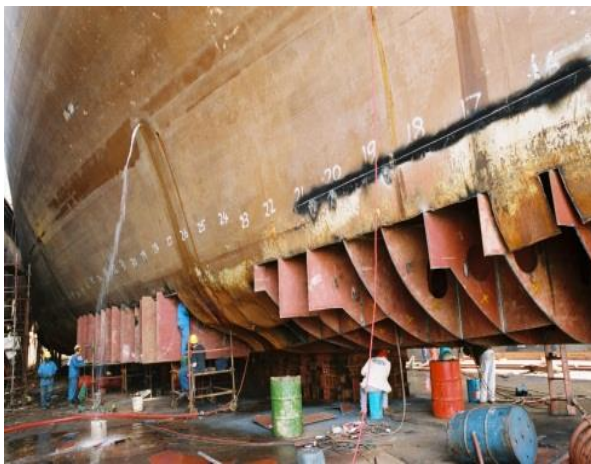


**US\$ 8mil**

**April 2012 – 10 weeks.**

- **The rejuvenation of their pre-load and drill water tanks.**
- **Significant steel replacements were also carried out in the ballast tanks (50 tons) and on the all three of the leg K-Brace's.**
- **Extensive piping and exhaust system renewals were undertaken.**
- **Grit blasting and coating the ballast tanks, the cantilever substructure, the entire external hull, helideck and main decks.**
- **The accommodation areas were also refurbished during the project.**
- **HVAC Upgrade.**
- **Electrical repairs and motor overhauls.**
- **Major pipe system repairs and renewals.**

**Columbia Ship Management  
MT Nino**



**US\$ 7.3mil**

**Aug – Dec 2002**

- **Grounding Damage**
- **950 tons of steel renewed**
- **90 days**
- **Reconstruction of the hull double bottom tanks**
- **Renewal of ballast system piping.**



**Technip UK**  
**Deep Constructor**



US\$ 6.1mil

Dec 2008 – 10 Weeks

- Full blasting and coating. Internal tanks blasted and coated as well.
- The project was completed without any lost time or potential incidents
- Fabrication and fitment of a 35 ton, 16 man accommodation unit.
- Conversion of internal ballast tanks to smaller tanks.
- Enlargement of an internal deck hatch opening.
- Major pipe work was also carried out.

**PGS GEOPHYSICAL**  
**RV Ramform Valiant**



US\$ 5.8mil

November 2012 – 5 weeks.

- SPS dry docking on special dock blocks.
- Spooling off/on of over 100km's of streamers.
- Steel modifications and repairs.
- Pipe work modifications.
- Complete blasting and coating of the hull and tanks.
- Hydraulic modifications and installations.
- Electrical work.
- Thrusters change-out & maintenance.
- Load testing of various handling equipment.

**Transocean**  
**KG1 Drillship**



US\$ 5.9mil

September 2014 – 7 Weeks

- Installation of a 6<sup>th</sup> lifeboat and davit on aft deck.
- Installation of an additional sewage plant in thruster room No3.
- Modifications to kill/choke pipes and installation of HP blocks.
- Install new De-sander and De-silter.
- Modifications to piping for 2 new shakers.
- Replace all HVAC mild steel ducting in shaker house, for stainless steel ducting.
- Cleaning of active mud pits.
- Various painting scopes including walkways and fire line piping
- Manufacture and install vent piping on Derek.
- Installation of emergency towing brackets FWD and AFT.
- Installation of flow meters, in different locations around the vessel.
- Rigging services supplied for offloading and loading of riser.

**Dockwise Shipping BV**  
**Mighty Servant 3**



**US\$ 5mil**

**June 2007 – August 2008**

- Vessel sank in Luanda
- All mechanical repairs carried out in Cape Town
- Stripped accommodation
- Vessel completely washed
- Towed to Bahamas for refit

**Triumph Drilling**  
**T110**



**US\$ 5mil**

**August 2014 – 5 Weeks**

- In excess of 2000m of piping was renewed involving grey water lines, ballast water lines, salt water cooling lines and accommodation fire main lines from between 2" and 12".
- Renewal of all associated valves.
- Over 3- tonnes of deck and hull bottom steelwork plating was renewed.
- Mechanically cleaning and painting of all decks.
- Supply and install new 10 tonne aft platform.
- Removal of Kentz Crane Boom for repairs to the lattice pipe structure.
- Spooling of all crane wires and anchor wires.
- Complete hull blasting to SA2.5 and painting.
- Replacement of 100 anodes.

**USSM**  
**MV Sea Land Express**



**US\$ 5.1mil**

**Oct – Dec 2003**

- Grounding Damage
- Grounded at Blouberg Strand and bought into Durban for repairs
- New Propeller fitted
- Half the rudder was renewed
- 485 tons of steel was renewed



**Larsen Oil & Gas**  
**DS Deep Venture**



**US\$ 5mil**

**Dec 2008 – 10 weeks.**

- 5 yearly dry docking SPS and modifications.
- Routine dry docking works and propulsion surveys.
- Fabrication and installation of a completely new tensioner system with new sheaves, accumulator bottles and SS pipe systems.
- The entire Koomey unit was renewed.
- Over 135m of 3" SS piping, and renewal of all the Demco valves.
- Approximately 50 tons of steelwork modifications.
- General repair and maintenance throughout the vessel.

**Transocean**  
**Sedco 709**



**US\$ 5mil**

**June 2007 – 11 weeks.**

- Rig was raised out of the water onto a heavy lift vessel, in Saldanha Bay, enabling access to pontoons steelwork and thrusters.
- Over 390m of 3" #160 SS (HP) pipe renewals.
- 100m of 5" cement lines.
- Renewal of all the HP Demco valves.
- Steelwork modifications and overhaul of the main fairleaders.

**Smit Amandla Marine**  
**MT Smit Lipuma**



**US\$ 4.5mil**

**Oct 2006 – Mar 2008**

- New build
- Consists of nearly 800 tons of steel
- Using the latest in barge design and technology, the vessel allows for maximum fuel carrying requirements in mind and will be able to deliver bunkers at a rate of up to 1000 tonne/hr
- Other design features include optimal manoeuvrability, advanced safety features and the capacity to carry some 5000 tonnes of marine fuel (fuel oil, gas oil and diesel oil)

**Smit Amandla Marine**  
**MT Smit Bongani**



**US\$ 4mil**

**May 2009 – 16 Weeks**

- 70m Bunker barge
- Changed out of the cargo pumps
- Installed two new generator sets and the all important extension drives to the HRP propulsion unit.
- Second vessel that Dormac has successfully double hulled for Smit Amandla Marine

**Western Geco**  
**RV WG Vespucci**



**US\$ 2.7mil**

**Oct 2012 – 10 Weeks**

- Removal and re-installation of main thrusters (72 ton)
- Installation of new server room
- Modification to all s/s streamer chutes
- Complete dry-docking program
- Complete installation of CuNiFe cooling system
- New deck installations
- Electrical and Electronical upgrades

**Sea Trucks**  
**Jascon 28**



**US\$ 2.5 million**

**August 2012 – 4 weeks.**

- Dry Docking for 1<sup>st</sup> SPS
- 60% of the hull blasted and fully re-coated.
- Significant sea water piping systems were renewed.
- 2 X thruster overhauls.
- New steel deck extension.



**Smit Amandla Marine**  
**MT Smit Energy**



**US\$ 2.6 million**

**May 2008 – 7 Weeks**

- The bottom section of the double hull had been pre-fabricated.
- Side and flat bottom sections were double hulled.
- The complete double-hulling involved 200 tonnes of steel.
- The Smit Energy received 220 tons for her double hull and was the first existing Bunker barge to be double hulled in South Africa.

**KCA Deutag**  
**Ben Avon**



**US\$ 2.5 million**

**July 2011 – 12 weeks.**

- Fabricated and fitted 120 ton grillage onto a heavy lift vessel the MV Triumph in Walvis Bay
- MV Triumph then departed for Port Gentile in Gabon where we mobilized a team of Nineteen (19) persons including equipment.
- The Ben Avon was then lifted by the MV Triumph where we performed repairs to the spud cans and leg bracings
- Approximately 200 tons of steel work

**Sinotrans Ship Management**  
**MV Great Tang**



**US\$ 2.3 million**

**Nov 2011 – 19 Weeks**

- Seized propeller shaft
- 1yr old vessel
- Re-alignment of main engine intermediate shaft and stern tube.

**Ensco  
E5001**



**US\$ 2mil**

**August 2014 – 4 weeks**

- Repairs of hull cracks and internal reinforcements in blister and pontoons.
- A customised 50 tonne Cofferdam was built for this job.
- Specialised diving teams were deployed to attach the cofferdam to the pontoon.
- Repairs included some minor deck steelwork.
- Partial renewal of the helideck structure.
- UWILD hull and pontoon inspection & survey.

**Ensco  
DS2**



**US\$ 1,6 million**

**Oct 2013 – 4 weeks.**

- Replacement of 125ton thuster.
- Side shell steelwork repairs.
- Renewal of piping systems.
- General repair and maintenance throughout the vessel.

**SBM  
Dynamic Installer**



**US\$ 1.5 million**

**August 2007 – 6 Weeks**

- Class Renewal dry docking
- First offshore related project for Dormac**



**Subsea 7**  
**Seven Seas**



**US\$ 1.2 million**

**Aug 2011 – 5 Weeks**

- First job done for Subsea 7
- Project completed ahead of schedule
- Full blast and paint
- Extensions on lifeboat platforms
- Changing wire rope on main crane (140 tonnes)
- 3 Thrusters and 2 bow thrusters overhauled.

**Dolphin Drilling**  
**DS Bolette Dolphin**



**US\$ 1.5 million**

**April 2014 – 3 weeks**

- BOP Change out.
- Windwall modifications.
- Supply and fitting of non-return valves in the ballast system.
- Supply, fabricate and deliver Grey Water System.
- Supply, fabricate and deliver ROV cradle.
- Fabricated ballast water treatment pipelines and valves and delivered to Walvis Bay.
- Riding squad travelled with vessel from Walvis Bay to Liberia to continue work.

**Ocean Rig**  
**DS Poseidon**



**US\$1 million**

**February 2013 – 6 weeks**

- Installation of Potable water piping.
- Installation of new stainless steel piping systems from the Engine rooms, on upper deck and into the Auxiliary machinery space.
- Fabricate and fit new sea suction piping in mild steel in conjunction with divers to blank off the sea chest

**Transocean  
Marianas**



**US\$ 1.5 million**

**March 2014 – 16 Weeks**

- Carried out crane boom repairs.
- Modified anchor bolsters.
- Fabricated and fitted new bulk loading station platform with new hose saddles.
- Renewed sections of standpipe and choke & kill manifold piping.
- Replace port and starboard hydrophone 24" overboard valves.
- Carried out tank cleaning.
- Carried out repair to mud pit agitators.
- Renewed potable water piping.

**Ocean Rig  
Eirik Raude**



**US\$ 1.3 million**

**May 2014**

- Contacted to assist with the upgrade of all areas which would enable the rig to drill in ultra-harsh environments.
- Installation of A-frame base and new radar platform to enable installation of new ACDP meter.
- Fabricate, deliver and fit a 28Ton ROV platform.
- Fabrication of fairing installation platform.
- Design and manufacture of a series of MUX cable tensioning devices.
- Due to the draft of the vessel all works were carried out offshore in Saldanha Bay.

**Vopak Bulk Storage Tanks**



**UD\$ 3 million**

**10 months in partnership with Felguera**

- Construction of 8 Bulk Storage tanks
- 20m OD x 27m high totalling
- Using the Felguera jack up system
- Full chemical resistant paint system
- 1600tons fitted
- Dome roofs fitted all 8 tanks with 4 tanks fitted IFR's.
- Delivered on schedule.



**Solstad  
Normand Installer**



**US\$ 4.5 million**

**June 2009 – 3 Weeks**

- **Modification and installation of the carousel and dry docking contract.**
- **Prefabrication, installation and commissioning of the carousel.**
- **Electrical and electronic upgrades.**
- **120 ton Crane overhaul and upgrades**
- **Special dock blocks had to be manufactured to accommodate the retractable azimuth thrusters at a height of 2.8m**
- **SS docking for the balance on specially constructed dock blocks**

**Tai Chong Cheang Steamship Co  
CSK Tribute**



**US\$ 1million**

**2006 – 20 Days**

- **Side shell fracture of a fully loaded Cape size bulk carrier**
- **Cofferdam job carried out in Nacala Bay, Mozambique**
- **Number 1 Hold was completely flooded.**
- **Launched 25 ton Cofferdam at sea with no cranes.**
- **Total permanent repair period was 1 week**