



## **Safe Sea Services FZE Information Pack**

### **Safe Sea Services**

Safe Sea Services (SSS) FZE was incorporated in 2001 with the objective of creating a Centre of Excellence in the supply, installation and maintenance of maritime Aids to Navigation (AtoN), with an emphasis on providing bespoke solutions to its Clients in both Ports & Harbours and Oil & Gas market sectors.

Safe Sea Services has undertaken projects in more than 16 countries with factory trained technical staff.

Safe Sea Services has 15 permanent staff, 10 of whom are operational specialists, and works with a variety of regular contractors dependent on the requirements and location for each project. Historically, the core operating team has been able to successfully scale up and down to meet fluctuations in project staffing demands, especially for larger services intensive projects.

Notable examples of service engagements have included:

Gulf Cooperative Council (GCC): In 2014 Safe Sea Services, supported by Deloitte was selected by the GCC to undertake a GCC wide survey of the positioning, quality and functionality of AtoNs in 39 separate major ports across the GCC States. This survey took 3 months to complete, and also included in its scope a study of the legal requirements in the marine environment in order to make recommendations for a blueprint for a future GCC AtoN Company. A formal report was then produced for the GCC Transport Ministers and is currently under review.

Other project highlights include:

- Kingdom of Saudi Arabia – Maintain 1400 offshore platform lights and 90 buoys.
- Saudi Aramco – Maintain 1300 un-manned platform lights in 24/7 hazardous areas and 145 Navigation Buoys.
- Saudi Aramco – Install & Commission 94 security buoys around Gulf oil fields.
- West Africa Gas Pipeline Co. (Ghana) – Commissioning 20 AtoNs with AIS to mark under-sea gas pipelines.

- DP World: Safe Sea staff and contractors have been working for over 3 months, simultaneously on both a major Fender Installation and Dockwall maintenance project and a number of Insurance repair jobs for DP World throughout the Jebel Ali Port.

### **Principal Services**

Safe Sea Services are specialists in:

- AtoN Selection, Installation & Commissioning including long term managed services
- In situ Programme Maintenance, Servicing and Response Maintenance for AtoN assets
- Training
- Survey and AtoN system design
- Port Fender Supply, Removal & Installation
- Dock Wall/Fender/Bollard Repair & Maintenance

### **Further services include:**

#### **Risk Assessment**

In addition to conventional methods, Safe Sea Services utilize the latest IALA approved Waterway Risk Assessment Programme in order to provide a solution tailored to fulfil a specific need.

#### **Specifications Advisory Service**

SSS experts have over 30 years' experience and can advise Clients on what is the most suitable and cost effective method of achieving the long term requirement.

#### **Oil & Gas**

Services for the Oil & Gas industry include operating with trained & certified personnel, use of intrinsically safe tools and supply/ installation of AtoN equipment designed for use within the industry. The SSS parent company Tideland Signal has specifically developed product ranges complying with relevant regulatory and statutory bodies.

#### **Rental & Leasing**

A stock of products enables Safe Sea Services to offer rental/ lease/hire of products and services as an effective alternative to capital expenditure for both short and long term fixes.

#### **Project Management**

SSS can provide Turnkey solutions for all scopes of AtoN projects. SSS staff include experienced marine personnel and certified Project Managers.

#### **Contract Maintenance**

Short term and long term Contract maintenance can be provided for offshore rigs, shore based beacons, lighthouses, Racons and floating buoys to name a few. Furthermore, the SSS ENGS system enables many potential problems to be anticipated and solved before they actually occur. This ensures minimum downtime and optimises safety and security for the respective application

**Emergency Services**

24/7 cover comes as standard in almost every case. If the unexpected happens SSS can provide temporary replacements and cover by means of rental equipment from its significant holding of spares, be it a simple part or a complete buoy system.

**Refurbishment**

With in-house technical know-how and experience, Safe Sea Service engineers are able to restore and upgrade client's existing AtoNs to the highest of standards.

**Procurement/Sourcing**

The SSS procurement process and set-up provides Clients with cost benefits and time savings, ensuring projects are completed on time and within budget.

## Installation and Commissioning

Safe Sea Services' experienced and factory trained personnel install & commission new and reconditioned equipment, including full turnkey solutions and project management.

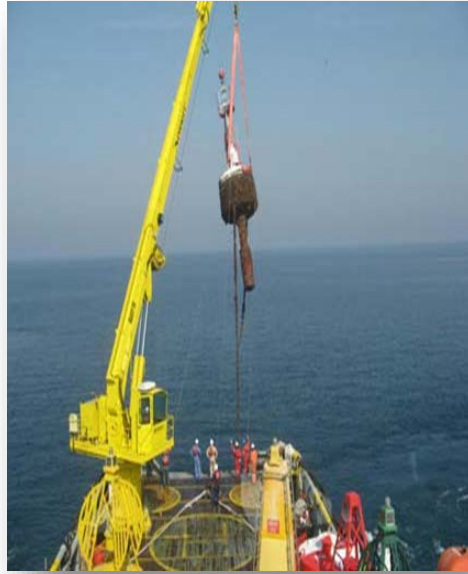


## In situ Maintenance & Servicing



## Surveys

Surveys of both existing AtoN equipment and 'green-field sites', ashore and afloat.



## Training

The company provides theoretical and practical (hands on) courses to meet individual customer's needs. From basic maintenance to advanced risk assessment, specialist trainers are able to teach Client's staff the detailed knowledge and expertise they need to fulfil their roles.

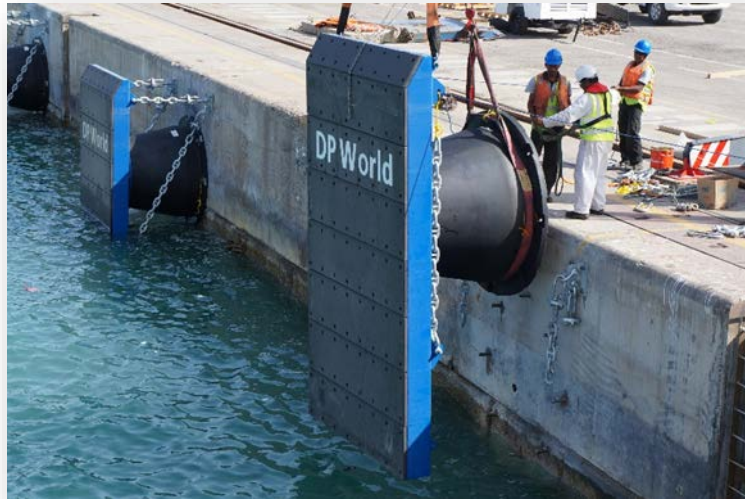


## TRAINING PROGRAMMES (extract)

CLIENT	PROJECT	LOCATION
Maritime Administration Authority Freetown. Sierra Leone	<ul style="list-style-type: none"> <li>In association with Tideland Signal, training programme for Technicians on Tideland Signal Equipment and practical maintenance skills on the maintenance of buoys and mooring systems etc.</li> </ul>	Freetown, Sierra Leone
Saudi ARAMCO PO Box 9320 Ras Tanura Kingdom of Saudi Arabia	<ul style="list-style-type: none"> <li>In association with Tideland Signal, training programme for Technicians on Tideland Signal Equipment and practical maintenance skills on the maintenance of buoys and mooring systems etc. (Ongoing)</li> </ul>	KSA
Yemen Port Authority Po Box 4153 Aden	<ul style="list-style-type: none"> <li>In association with Tideland Signal, training programme for Technicians on Tideland Signal Equipment and practical maintenance skills on the maintenance of buoys and mooring systems etc.</li> </ul>	Aden, Yemen

## Fender Removal & Installation

SSS crews are able to remove and install fenders within ports and harbours. Services are available 24/7 to ensure ports and harbour berths remain operational with minimum downtime.

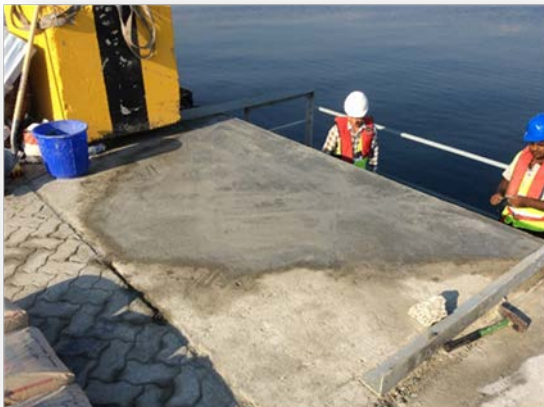


The installation above is at the DP World Port in the Jebel Ali Freezone.



## Dockwall and Bollard Repair & Maintenance

An example of an on-going maintenance contract at DP World Jebel Ali Freezone.



## MAJOR PROJECTS

### INSTALLATION, OPERATIONS & MAINTENANCE

CLIENT	PROJECT	LOCATION
UAE Government	<ul style="list-style-type: none"> <li>• Design and build a 30 metres lighthouse 23nm offshore, complete with 20nm light, AIS and remote monitoring.</li> <li>• Project management of whole life cycle</li> <li>• Main Contractor</li> </ul>	Abu Dhabi, UAE
Kingdom of Saudi Arabia	<ul style="list-style-type: none"> <li>• Maintenance of 1400 no. offshore platform lights</li> <li>• Maintenance of 90 no. Buoys.</li> </ul>	KSA, various ports
Nakheel	<ul style="list-style-type: none"> <li>• Installation of buoys and bridge light in the vicinity of Palm Jumeirah, Palm Deira &amp; The World Island.</li> </ul>	Dubai, UAE
Nakheel	<ul style="list-style-type: none"> <li>• Maintenance of 38 no. Buoys in the vicinity the World Island</li> </ul>	Dubai, UAE
Fujairah Port Authority UAE	<ul style="list-style-type: none"> <li>• Deployment of 8 no. Buoys complete with AIS AtoN, 1 no. Racon with composite moorings, in depths exceeding 100 metres.</li> </ul>	Fujairah, UAE
Abu Dhabi Company for Onshore Operations (ADCO) PO Box 270 Abu Dhabi UAE.	<ul style="list-style-type: none"> <li>• Maintenance on 46 no. AtoN buoys including replacing worn moorings.</li> <li>• Technical support and advice on upgrading channel markers.</li> <li>• Maintenance on 28 no. AtoN buoys including replacing worn moorings.</li> <li>• Supply and deploy 18 no. Stand-alone beacons.</li> </ul>	Abu Dhabi, UAE
UAE Government PO Box 6179 Abu Dhabi UAE	<ul style="list-style-type: none"> <li>• Manufacture, supply &amp; piling installation of 10 no. 16/20dia" beacons in 6 to 12 metres of water, offshore western Abu Dhabi</li> <li>• Installation and commissioning of 10 no. solar navigation lanterns with satellite remote monitoring (VTS)</li> </ul>	Abu Dhabi, UAE
Abu Dhabi Municipality Abu Dhabi UAE	<ul style="list-style-type: none"> <li>• Supply and installation of 150 no. marker buoys for safe swimming areas near Muaqtar Bridge.</li> </ul>	Abu Dhabi, UAE
Abu Dhabi Oilfield Services (ADOS). PO Box 4015 Abu Dhabi. UAE	<ul style="list-style-type: none"> <li>• Technical support.</li> <li>• AtoN Surveys.</li> <li>• Various joint maintenance and repair projects in the UAE</li> </ul>	Abu Dhabi, UAE

Abu Dhabi Polymers Co. Ltd. (Borouge) PO Box 11764 Ruwais UAE	<ul style="list-style-type: none"> <li>• Technical support on navigation buoys.</li> <li>• Emergency repairs on navigation buoys.</li> </ul>	Abu Dhabi, UAE
Arab Contractors Co. Ltd PO Box 40729 Abu Dhabi UAE.	<ul style="list-style-type: none"> <li>• Mussafah Port contract (Abu Dhabi):</li> <li>• Installation and commissioning of new AtoN beacons and buoys.</li> <li>• Installation of 74 no. Jetty Fenders.</li> <li>• Installation of several Bollards and pilot ladders</li> </ul>	Abu Dhabi, UAE
United Arab Emirates Navy. Jebel Ali Base. UAE	<ul style="list-style-type: none"> <li>• Survey of AtoN Buoys.</li> <li>• Emergency repairs to AtoN buoys.</li> </ul>	Dubai, UAE
Dubai Port Authority (DPA) PO Box 17000 Dubai UAE.	<ul style="list-style-type: none"> <li>• Port Rashid AtoN Survey.</li> <li>• Port Hamriyah (Dubai) AtoN Survey.</li> <li>• AtoN Survey, Dubai Creek &amp; Coastal Beacons.</li> <li>• Upgrade of Dubai Creek &amp; Coastal Beacons.</li> <li>• Upgrade of Hamriyah Port beacons.</li> <li>• Emergency repairs to offshore lights.</li> <li>• Technical support to Marine Engineering Department, Jebel Ali Port.</li> <li>• Technical support to the Marine Engineering Manager.</li> </ul>	Dubai, UAE
Dubai Ports & Customs Free Zone. PO Box 17000 Dubai UAE	<ul style="list-style-type: none"> <li>• Supply and deploy 2 no. SB-138P buoys</li> <li>• Remove and redeploy 3 no. SB-138P in new locations.</li> <li>• Carry out maintenance and onsite repairs to 3 no. SB-138P buoys.</li> <li>• Technical support to the Marine Advisers Office</li> </ul>	Dubai, UAE
Sharjah Port Authority (SPA) PO Box 510 Sharjah UAE.	<ul style="list-style-type: none"> <li>• Various projects (in association with MEOS)</li> <li>• Maintenance contract for AtoN Buoys at Port Khalid, Sharjah.</li> <li>• Maintenance contract for AtoN buoys at Hamriyah gas/oil terminal, Sharjah.</li> <li>• Maintenance contract for AtoN buoys at Khor Fakkan container Port.</li> </ul>	UAE
Khor Fakkan Quarry Co. LLC PO Box 10967 Khor Fakkan UAE	<ul style="list-style-type: none"> <li>• Supply and installation of 5 no. Buoys &amp; 1 no. Beacon.</li> <li>• Maintenance contract for 5 no. Buoys &amp; 1 no. Beacon.</li> </ul>	Khor Fakkan, UAE
DP World PO Box 17000 Dubai U A E	<ul style="list-style-type: none"> <li>• 5 year maintenance contract for the servicing of 20 no. buoys marking the Deira Palm Exclusion Zone</li> <li>• 5 year maintenance contract for the servicing of 12 no. buoys marking the World Islands Exclusion Zone</li> <li>• 5 year maintenance contract for the servicing of 20 no. buoys marking the Jebel Ali Palm Exclusion Zone</li> </ul>	Dubai, UAE

VOPAK-ENOC PO Box 1769 Fujairah. UAE	<ul style="list-style-type: none"> <li>• Technical support in maintaining AtoN Buoys at VOPAK oil terminal.</li> </ul>	Fujairah, UAE
Tideland Signal Ltd (UAE) PO Box 18357 Jebel Ali Free Zone Dubai. UAE.	<ul style="list-style-type: none"> <li>• AtoN Surveys.</li> <li>• Installation and commissioning of new AtoNs.</li> <li>• Assembling and Commissioning of 34 no. SB-285P buoys on behalf of Tideland Signal for DPA, Jebel Ali Port.</li> </ul>	Dubai, UAE
VanOord ACZ PO Box 34138 Dubai. UAE	<ul style="list-style-type: none"> <li>• Maintenance of navigation buoys at the World Island Project, Dubai. UAE.</li> <li>• Supply and commission 6 no. SB-138P buoys for the World Island Project</li> </ul>	Dubai, UAE
VanOord ACZ PO Box 34138 Dubai. UAE	<ul style="list-style-type: none"> <li>• Maintenance of navigation buoys at the Deira Corniche Project, Dubai. UAE.</li> </ul>	Dubai, UAE
International Marine Contractors PO Box 18155 Dubai. UAE	<ul style="list-style-type: none"> <li>• Installation of 10 no. SB-138P navigation buoys at the Jebel Ali Project Site.</li> <li>• Subsequently extended and relocated the exclusion zone to include the 'Waterfront' development.</li> </ul>	Dubai, UAE
Dubai Port Authority (DPA) PO Box 17000 Dubai UAE	<ul style="list-style-type: none"> <li>• Installation and commissioning of 20 no SB285P buoys around Dubai Palm Deira project</li> <li>• Subsequent installation of a further 9 no. SB138P buoys on the same site for Nakheel PJSC</li> </ul>	Dubai, UAE
DUCTO Balfour Beatty LLC PO Box 8944 Dubai UAE	<ul style="list-style-type: none"> <li>• Installation of 8 x AtoN buoys &amp; Beacons at Sila, Abu Dhabi</li> <li>• Survey of 5 x Buoys, repairs and re-deployment at Sila, Abu Dhabi</li> </ul>	Abu Dhabi, UAE
Abu Dhabi Environmental Agency	<ul style="list-style-type: none"> <li>• Installation and commissioning of buoys in the Bu Tina/ Bazaam vicinity:</li> <li>• 12 no. SB285P buoys</li> <li>• 70 no. WB-390 buoys</li> <li>• 30 no. Mooring buoys with 3-point mooring systems.</li> <li>• Followed up by maintenance contract</li> </ul>	Abu Dhabi, UAE
Abu Dhabi Environmental Agency	<ul style="list-style-type: none"> <li>• Installation and commissioning of buoys in the Yasat Island vicinity:</li> <li>• 16 no. SB285P buoys</li> <li>• Followed up by maintenance contract</li> </ul>	Abu Dhabi, UAE
Jan De Nul Dredging FZE PO Box 26805 Dubai UAE	<ul style="list-style-type: none"> <li>• Rental of 9 no. SSS owned buoys to form a private channel within the Jebel Ali Palm Exclusion Zone, for the use of large dredgers.</li> <li>• Installation of 16 no. SB285P buoys to form an exclusion zone around a reclamation site, 25nm offshore Jebel Ali.</li> </ul>	Dubai, UAE
Nakheel Properties PJSC PO Box 99166	<ul style="list-style-type: none"> <li>• Installation and commissioning of 57 no. beacons on the World Islands Project Site</li> </ul>	Dubai, UAE

Dubai UAE	<ul style="list-style-type: none"> <li>• Installation and commissioning of 53 no. SB138P buoys on the World Islands Project Site</li> </ul>	
Dutco Balfour Beatty PO Box Dubai UAE	<ul style="list-style-type: none"> <li>• Supply, installation and commissioning of 8 x 5 metre solar beacon towers and associated general solar lighting systems</li> <li>• Installation and commissioning of 'back light' for Dubai Dry Docks</li> <li>• Installation of 4 no. SB138P to mark the Dubai dry Docks breakwater</li> </ul>	Dubai, UAE
Mina Saqr Port Authority PO Box 342 Ras Al Khaimah UAE	<ul style="list-style-type: none"> <li>• Supply and installation of 4 no. Beacons.</li> <li>• Maintenance contract for 5 no. Beacons.</li> </ul>	RAK, UAE
Zanzibar Port Corporation (ZPC)	<ul style="list-style-type: none"> <li>• Upgrade of 9 no. lighthouse's over a period of 7 years, which includes the supply of new lanterns, solar power supply, AIS equipment &amp; long term training programme for ZPC Staff.</li> </ul>	Zanzibar, Tanzania
GPIC PO Box 26730 Manama. Bahrain.	<ul style="list-style-type: none"> <li>• Installation of navigation buoy</li> </ul>	Manama, Bahrain
Yemen Port Authority Po Box 4153 Aden	<ul style="list-style-type: none"> <li>• In conjunction with Tideland Signal Ltd &amp; Lumen Sea Mark Ltd.</li> <li>• Upgrade of 3 no. Major lighthouses</li> <li>• Installation of 4 no. Channel Leading Lights</li> <li>• Assembling of 2 no. navigation buoys</li> </ul>	Aden, Yemen
Yemen Port Authority Po Box 4153 Aden	<ul style="list-style-type: none"> <li>• In conjunction with Tideland Signal Ltd.</li> <li>• Assembling of 28 no. Navigation Buoys</li> <li>• Installation of Remote Monitoring system for buoys</li> </ul>	Aden, Yemen
Maritime Administration Authority PO Box 313 Freetown. Sierra Leone.	<ul style="list-style-type: none"> <li>• Survey of AtoN</li> <li>• Installation &amp; commissioning of 20 no. AtoN Buoys in association with Tideland Signal.</li> </ul>	Freetown, Sierra Leone
STFA-AD Joint Venture PO Box 195 Sohar Sultanate of Oman	<ul style="list-style-type: none"> <li>• Survey of AtoN at Sohar Port.</li> <li>• Re-activation of damaged AtoN equipment</li> </ul>	Soha, Sultanate of Oman
Tideland Signal Ltd Unit B Kendal House Victoria Way. RH15 9NF West Sussex United Kingdom	<ul style="list-style-type: none"> <li>• Commissioning of 46 no. buoys for Saudi-ARAMCO Jeddah Oil Terminal.</li> <li>• Commissioning of 4 no. buoys with Racon for Saudi-ARAMCO Rabigh Oil Terminal.</li> <li>• Commissioning of 15 no. AtoN with Racon for Sohar Port, Oman.</li> <li>• Emergency repairs of navigation beacons in Ghana, West Africa.</li> </ul>	Various, Middle East & Africa

	<ul style="list-style-type: none"> <li>• Coastal survey of the Kenya coastline for the Kenyan Port Authority.</li> <li>• Survey of Aden lighthouses &amp; Beacons for the Yemen Port Authority.</li> <li>• Commissioning of 32 no. lanterns for Saudi Aramco, Juaymah</li> </ul>	
AMNAS (Sultanate of Oman) PO Box 1677, CPO Seeb, PC111 Sultanate of Oman	<ul style="list-style-type: none"> <li>• In conjunction with Tideland Signal the Installation of TRB-400 rotating beacon in major Lighthouse located in the Straits of Hormouz</li> <li>• Installation of Nav-Link Remote monitoring system for the Oman coastline</li> </ul>	Oman
Saudi ARAMCO PO Box 9320 Ras Tanura Kingdom of Saudi Arabia	<ul style="list-style-type: none"> <li>• Installation and commissioning of 17 no. SB285P/SB-138P Security buoys in Gulf oil fields.</li> <li>•</li> </ul>	KSA
Saudi ARAMCO PO Box 9320 Ras Tanura Kingdom of Saudi Arabia	<ul style="list-style-type: none"> <li>• Installation and commissioning of 94 no. SB-285P/SB-138P/SB-98 &amp; WB-390 security buoys around Gulf oil fields.</li> </ul>	KSA
West Africa Gas Pipeline Company PO Box OS458 Osu, Accra, Ghana.	<ul style="list-style-type: none"> <li>• Technical assistance in commissioning 20 no. AtoNs with AIS, for deep water use marking u/sea pipeline.</li> </ul>	Ghana
Saudi ARAMCO PO Box 9320 Ras Tanura Kingdom of Saudi Arabia	<ul style="list-style-type: none"> <li>• In association with Tideland Signal and ATCO Marine:</li> <li>• Maintain over 1300 no. un-manned platform lights 24/7 in hazardous areas</li> <li>• Maintain 145 no. navigation buoys, both steel and polyethylene.</li> <li>• East coast Aramco AtoNs</li> </ul>	KSA

## SURVEY & CONSULTANCY

CLIENT	PROJECT	LOCATION
Maritime Administration	<ul style="list-style-type: none"> <li>• Consultancy/Survey on existing AtoNs and the requirement for new and replacement AtoNs for The Port of Freetown. This included a lighthouse, main channel buoyage and beacons.</li> <li>• As a result of the survey, Safe Sea Services (SSS) assisted in commissioning and deploying a large number of new buoys for the Maritime Administration.</li> </ul>	Sierra Leone
DPA (DPW) & Dubai Port & Customs	<ul style="list-style-type: none"> <li>• Consultancy/ Survey of existing beacons in Dubai creek and inshore coastal beacons.</li> <li>• As a result of the survey, SSS, reactivated and/or upgraded a number of beacons to IALA standards.</li> </ul>	Dubai, UAE
Kenyan Port Authority (KPA)	<ul style="list-style-type: none"> <li>• Consultancy /Survey of all major lighthouses and beacons along the Kenyan coastline with recommendation on upgrading existing lights and Racons to IALA standards.</li> <li>• The survey also included assessment of the existing workshops and personnel requirements, knowledge/standard of competency.</li> </ul>	Kenya
Zanzibar Port Corporation (ZPC)	<ul style="list-style-type: none"> <li>• Consultancy /Survey of all 9 no. major lighthouses and port AtoNs with the view of upgrading the AtoNs to IALA standard plus additional items including Racons and AIS AtoNs and VTS/AIS station.</li> <li>• Our survey also included recommendations to improve the workshop facilities and training personnel to meet IALA standards etc.</li> <li>• The Port Authority has approved SSS recommendations and SSS staff now in the process of implementing the upgrades.</li> </ul>	Tanzania
Aden Port Authority	<ul style="list-style-type: none"> <li>• Consultancy /Survey of 3 no. major lighthouses along the coastline with a view to upgrade and improve the reliability of the lights to IALA standards.</li> <li>• All Lighthouses were subsequently upgraded by SSS to IALA standards.</li> </ul>	Yemen
Mozambique Port Authority (INAHINA).	<ul style="list-style-type: none"> <li>• Consultancy /Survey of several major lighthouses along the coastline with a view to upgrade and improve the reliability of the lights to IALA standards.</li> </ul>	Mozambique