

Marine Facilities Planning

Inventory Management Overview



MFP Marine Facilities Planning

[Request an account](#)

[About](#)

[Schedule](#)

Welcome to Marine Facilities Planning

This website allows scientists to request ship time on the vessels of the U.S. Academic Research Fleet.

Enter the system

Email

Password

[Forgot Password](#)

[Login](#)



In order to apply to use these marine facilities you must be a registered user of the Marine Facilities Planning Website.

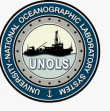
Please request an account or login above



Marine Facilities Planning Tool

Today

- Introduction to MFP / System Overview
- Inventory Management
 - MFP STRS replacement – IMS Integration
 - Equipment Database
 - Equipment Fields
 - Maintenance
 - Tracking
 - Voyages & Transports
 - Creating Plan lists
 - Offline App Support



Marine Facilities Planning Tool

Introduction

- The Marine Facilities Planning Website is a joint NIOZ, NERC and Maas Software Engineering project
- The initial project was called “Track and Trace” and was originated in 2011 by NIOZ
- Original Goal: Comply with Customs Warehouse Regulations > Equipment tracking
- MFP today: Modular Multi Tenant System to facilitate an integrated cruise planning process



Marine Facilities Planning Tool

About the system- Users

marinefacilitiesplanning.com



Natural Environment Research Council



S Y K E

aad-sts.org

maps.csiro.au

mfp-ksa.org

UNOLS / US



Australian Government

Department of the Environment and Energy
Australian Antarctic Division

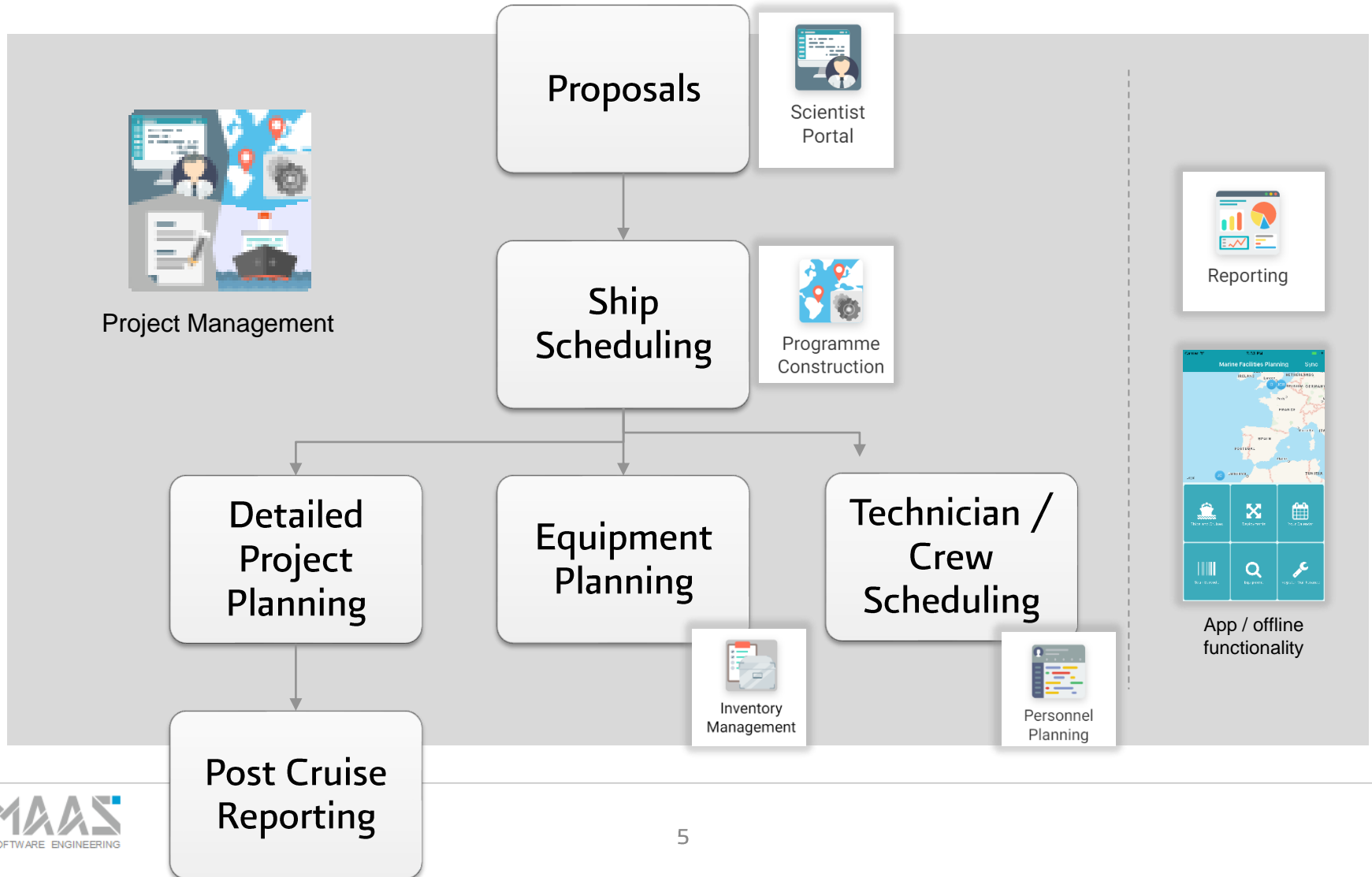


KAUST



Marine Facilities Planning Tool

About the System– Integrated Modules





Marine Facilities Planning Tool

Equipment & Shiptime request



Project Management

Beiko Maas

Project Management > Workflow > Application

Portable Winches

Winch Pool Portable Winch

Weight of gear (lbs)

Expected tension (lbs)

Wire used

Wire length (m)

Use description

Please give details of how you will plan to use the winch.

1. Pooled and Portable Equipment

Please select from the following list of equipment

Aircraft

Unmanned Aerial System

Manned Aircraft

Please list the type of aircraft that will be utilized for operations.

Geophysics

Marine Seismic Facility (RV LANGSETH)

Magnetometer (towed)

Gravimeter

Ocean Bottom Seismometer (OBS)

Portable Seismic System

6

- Attach questions to equipment
- Email notifications to responsible users
- Filter on Equipment usage in schedules
- Approval steps for techs / engineers

← Next

- Application Note ✓
- Project Contacts ✓
- Project Information ✓
- Funding Source ✓
- Cruise Location ✓
- Cruise Location Analysis ✓
- Cruise Dates ✓
- Ship Selection & Science party ✓
- Marine Pool Equipment ✓
- Ship Fitted Equipment ✓
- User Supplied Equipment ✓
- Environmental Impact ✓
- Costings ✓
- Summary ✓



Marine Facilities Planning Tool

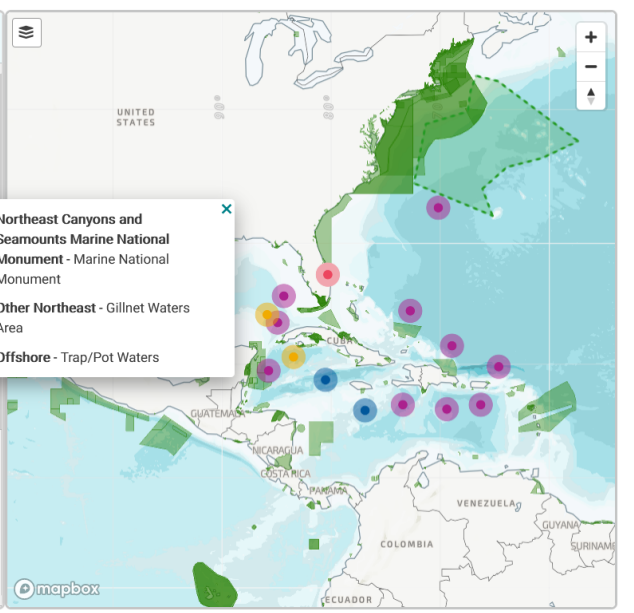
Equipment & Shiptime request

Equipment Name	Marcus G. Langseth	Roger Revelle	Kilo Moana	Neil Armstrong	Blue Heron	F.G. Walton Smith	Pelican
<input type="checkbox"/> Dynamic Positioning (DP)	✓	✓	✓	✓	✗	✓	✗
<input type="checkbox"/> Gravimeter	✓	✓	✗	✗	✗	✗	✗
<input checked="" type="checkbox"/> ADCP/UHDAS – range < 30m (e.g. 600kHz-1200kHz)	✗	✗	✗	✗	✗	✓	✓
<input type="checkbox"/> ADCP/UHDAS – range < 80m (eg. 300kHz)	✗	✗	✓	✓	✗	✗	✓
<input checked="" type="checkbox"/> ADCP/UHDAS – range 250-350m (e.g. 150kHz)	✗	✓	✗	✓	✓	✗	✗
<input type="checkbox"/> ADCP/UHDAS – range 500-750m (e.g. 75kHz)	✓	✓	✗	✗	✗	✓	✓
<input type="checkbox"/> ADCP/UHDAS – range 1000m-1200m	✓	✓	✗	✗	✗	✓	✓
<input type="checkbox"/> HDSS (140kHz + 50kHz)	✓	✓	✗	✗	✗	✓	✓
<input checked="" type="checkbox"/> Multibeam - Deep Water (EM122/124)	✓	✓	✗	✗	✗	✓	✓
<input checked="" type="checkbox"/> Multibeam - Mid-Water (EM302)	✓	✓	✗	✗	✗	✓	✓
<input type="checkbox"/> Multibeam - Shallow-water (EM710/700)	✓	✓	✗	✗	✗	✓	✓
<input type="checkbox"/> Biological multi-frequency echosounders	✓	✓	✗	✗	✗	✓	✓
<input checked="" type="checkbox"/> Biological multi-frequency echosounders	✓	✓	✗	✗	✗	✓	✓
<input type="checkbox"/> pCO2	✓	✓	✗	✗	✗	✓	✓
<input checked="" type="checkbox"/> Wave Radar	✓	✓	✗	✗	✗	✓	✓
<input type="checkbox"/> Ultra-Short Base-Line Acoustic Navigation	✓	✓	✗	✗	✗	✓	✓
<input type="checkbox"/> SCUBA	✓	✓	✗	✗	✗	✓	✓

Preferred Port of Load:
Seattle (Washington) - United States
(Lat:47° 40.19' N; Lon:122° 34.01' W)

Preferred Port of Unload:
Fort Pierce (Florida) - United States
(Lat:27° 29.14' N; Lon:080° 18.34' W)

#	Station Name	EEZ	MPA
1	Sampling Station 1		
2	Sampling Station 2		
3	Glider Station 1		
4	Glider Station 2		
5	Research Area 1		
6	Sampling Station 3		
7	Sampling Station 4		
8	Sampling Station 5		
9	Sampling Station 6		
10	Sampling Station 7		
11	Sampling Station 8		





Marine Facilities Planning Tool

Programme

MFP | Portal Beiko Maas

Programme My Schedule My Profile

HYBRID TIMELINE MAP SHIP SCHEDULE Ships « < Today > » Period: 01/07/2020 - 01/07/2021 12 Months

2020	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL
Discovery	Alongside 20/1286	Alongside 20/1286	DY118	DY120	DY116	DY129	Alongside	Alongside	DY130	
Pelagia	Re 473	Along 476	47	481	480	47				
James Cook	Alongsk	JC198 Refit	JC209	20/1424	JC210	JC211	JC212			

Joint BAS CoreBox/DP/A23 - 2021

JC211 James Cook 40 Days 20/1339

Port Stanley - Falkland Islands (Malvinas) → Port Stanley - Falkland Islands (Malvinas)

Mob (start): 08/01/2021 Dock: 27/02/2021
Sail: 19/01/2021 Demob (end): 01/03/2021

Sullivan Shipping Services Ltd

PI Einar Povl Abrahamsen Chief Scientist Yvonne Firing
Project Manager Jez Evans

Application Form **Final Supply Agreement** Technicians 8

Form Equipment

Title of project: Joint BAS CoreBox/DP/A23 - 2021 Download

Identifier: 20/1339

Last modified: 01/10/2020 Mr Jez Evans

Submitted: 13/07/2020 Mr Jez Evans

PRINCIPAL INVESTIGATOR

Full name: Dr Einar Povl Abrahamsen

Organisation: British Antarctic Survey

Email: epab@bas.ac.uk

Telephone: +44 (0)1223 221401

Mobile phone: +44 (0)7984256723



Marine Facilities Planning Tool

Programme

MFP | NERC Portal

Beiko Maas

Programme

My Schedule

My Profile

2019-2020

PERSONNEL TABLE

SCHEDULER

2019	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																					
April																																																				
May																																																				
June																							DY103: Porcupine Abyssal Plain - Sustained Observatory 2019 - Junior Technician																													
July	DY103: Porcupine Abyssal Plain - Sustained Observatory 2019 - Junior Technician																																																			
August													DY107: NMEP equipment trials - Junior Technician																																							
September																																																				
October														DY110: AMT - The Atlantic Meridional Transect - Junior Technician									DY110: AMT - The Atlantic Meridional Transect - Junior Technician																													
November	DY110: AMT - The Atlantic Meridional Transect - Junior Technician																																																			
December																																																				
January																																																				
February																																																				
March														JC192: RAPID 26°N - Junior Technician																																						
April																																																				



Marine Facilities Planning

Introduction Inventory Management System



- The ability to maintain detailed records on all assets, tasks, contacts, purchases, scheduled and unscheduled maintenance, calibrations, certifications and much more.
- Ensure compliance with customs requirements through professional reporting, planning and secure equipment tracking
- Fully integrated with the Programme Construction Module. Availability of equipment
- Stakeholders: Equipment owners, Customs Department, Management, etc
- **The system enables you to know exactly where your equipment is, where it has been, where it will be in the future and if it is fit to use (including calibrations).**



Marine Facilities Planning Tool

Inventory Management System (IMS) – Equipment Overview

MFP | NERC Inventory Management Beiko Maas

⊕ New Reporting 1 Bulk Edit Custom Filters 2 Select Columns NERC

Name	Serial Number	Barcode	Type	Manufacturer	Current Location	Characteristic
<input checked="" type="checkbox"/> All	All	All		Sea-Bird El...	James Cook	
<input checked="" type="checkbox"/> Deep SeaFet PH sensor RAPID ABC	4	260001694	Sensor	Sea-Bird Electronics Inc	Ship » James Cook	
<input checked="" type="checkbox"/> SBE 26 BPR	2633547-0390	250001884	CTD	Sea-Bird Electronics Inc	Ship » James Cook » Rapid moorings	26.00kg 25 x 32 x 114 cm
<input checked="" type="checkbox"/> SBE 37 IMP CTD	37IMP42578-4721	250004302	CTD	Sea-Bird Electronics Inc	Ship » James Cook	5.00kg 6 x 16 x 61 cm
<input checked="" type="checkbox"/> SBE 37 SI CTD NMEP	37SI34774-3082	250003350	CTD	Sea-Bird Electronics Inc	Ship » James Cook	5.00kg 6 x 16 x 61 cm
<input checked="" type="checkbox"/> SBE 37 SMP CTD	37SMP32752-3251	250002814	CTD	Sea-Bird Electronics Inc	Ship » James Cook » Rapid moorings	5.00kg 6 x 16 x 61 cm
<input checked="" type="checkbox"/> SBE 37 SMP CTD	37SMP32752-3265	250002840	CTD	Sea-Bird Electronics Inc	Ship » James Cook	5.00kg 6 x 16 x 61 cm
<input checked="" type="checkbox"/> SBE 37 SMP CTD	37SMP32752-3270	250004313	CTD	Sea-Bird Electronics Inc	Ship » James Cook	5.00kg 6 x 16 x 61 cm
<input checked="" type="checkbox"/> SBE 37 SMP CTD	37SMP36763-3902	250005229	CTD	Sea-Bird Electronics Inc	Ship » James Cook	5.00kg 6 x 16 x 61 cm
<input checked="" type="checkbox"/> SBE 37 SMP CTD	7723	250002814	CTD	Sea-Bird Electronics Inc	Ship » James Cook » Rapid moorings	5.00kg 6 x 16 x 61 cm
<input checked="" type="checkbox"/> SBE 37 SMP CTD	37SMP36763-3934	250002840	CTD	Sea-Bird Electronics Inc	Ship » James Cook	5.00kg 6 x 16 x 61 cm
<input checked="" type="checkbox"/> SBE 37 SMP CTD	37SMP42578-4305	250004313	CTD	Sea-Bird Electronics Inc	Ship » James Cook	5.00kg 6 x 16 x 61 cm
<input checked="" type="checkbox"/> SBE 37 SMP CTD	37SMP47421-5768	250005229	CTD	Sea-Bird Electronics Inc	Ship » James Cook	5.00kg 6 x 16 x 61 cm

- 1 **Reporting:**
Create various reports for selected equipment
- 2 **Preferred Columns:** Create the view with data that is relevant to you
- 3 **Column Filters**



Marine Facilities Planning Tool

Inventory Management System (IMS) – Equipment Details



Edit Delete Other ▾

Details

- Financial
- Customs
- Asset
- Deployment History
- Maintenance
- Documents
- Tracking
- Planning
- Usage
- Contents 2

Slocum Glider 438



General Information

Type Glider vehicle

Generic Equipment Slocum Glider

Name Slocum Glider 438

Status Active H

Serial Number 438

Pool Equipment



TracknTrace

Barcode 250008440

Base Location NOC Southampton » Labs » W1/75 (MARS Glider Mezzanine)

Current Location NOC Southampton » Labs » W1/65 (MARS Glider Workshop)



Remarks

Individual glider components separated out for shipping. Pleas see attached document 'Glidars on IMS - split assets_06032017' for a summary of split asset values and residual value of vehicle once components are removed

Ownership

Group NMF Gliders

In use by -

Equipment Characteristics

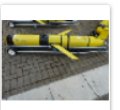
Characteristics 240 x 80 x 90 cm

Weight 50.00 kg

Serviceable

Equipment Codes

No equipment codes have been specified.





Marine Facilities Planning Tool

Maintenance

←

Details
Financial
Customs
Asset
Deployment History
Maintenance
Documents
Tracking
Planning
Usage

SOFT

Guideline 8400B Autosal Salinometer 250003092 / 68426

Maintenance Maintenance Policy Subscribe to Notifications

+ Add corrective maintenance event 📅 Plan corrective maintenance event

Name	Performed By	🔔	🕒	Next Expiry	Description	⋮
Service	+ Register		30 D	11/06/2020	Service required annually	⋮
Alignment	+ Register		30 D	11/06/2021	Alignment required every two years	⋮
Alignment	Jxxxxx Bxxxxx 12/06/2019		-	11/06/2021		⋮
Service	Jxxxxx Bxxxxx 12/06/2019		-	11/06/2020		⋮
Service	Dxxxxx Mxxxxx 22/08/2019		-	22/08/2019	Flush manifold and tubing replaced	⋮

- The IMS maintenance functionality can be used to make sure equipment is fit to use.
- Individual maintenance entries can be made by selecting an item of equipment and navigating to the maintenance tab
- It is possible to create maintenance policies for sets of generic equipment



Marine Facilities Planning Tool

Equipment Maintenance - Policy

Each activity is assigned a policy;

- 1. Periodic** – Maintenance that is conducted at a set interval, 6 monthly, annual, 2 annual etc. *Hydraulic flexible change, test equipment calibration.*
- 2. Pre-deployment** – Action required to prepare equipment for sea. *Functional test on a winch, lab container checklist.*
- 3. Post-deployment** – Action required to return equipment to RTG state. *Airgun cleaning and servicing, clean and polish ROV.*



Marine Facilities Planning Tool

Equipment Maintenance – Policy / Corrective

EDIT MAINTENANCE DEFINITION

- 1 Create Policy Definition
- 2 Job Description

Name
Annual service

Notify Before Expiry (Days)
180

Time Expected To Perform Work
0 : 2 : 0

- Safety Related
- Environment Related
- Legal Requirement
- Calibration

Schedule Maintenance Based On

Periodic Interval
Conduct Every
1 Year

Start On:

- Maintenance Need To Be Conducted At Start Date
- Automatically Defer Maintenance After Expiry
- Activity / Usage

CANCEL NEXT

DEFINITION

- 1 Create Policy Definition
- 2 Job Description

Drag And Drop A File Or

Required Capability

External Contractor

Description
Visually inspect and grease IAW OEG p3.2

CANCEL SAVE



Marine Facilities Planning Tool

Sea-Bird SBE 19plus V2 SeaCAT profiler CTD - Ti 7,000m (CTD)

+ Add New Maintenance Definition

+ Add New Maintenance Entry

Subscribe to Notifications

Type	Name	Identification...	🔔	🕒	Required	Last Perform...	Expiry	Memo
▶ Calibration	Pressure calibration	141598	60 D	-	Periodically	27/10/2017	26/10/2020	⋮
▲ Test	Discharge & Re-charge Battery Packs	0502 & 0511	30 D	-	Periodically	01/03/2019	31/08/2019	⋮

User	Date	Expiry	Defects	Document	🕒	Description
Jeffrey Benson	01/03/2019	31/08/2019				
Jeffrey Benson	07/06/2018	06/12/2018				
Jeffrey Benson	07/11/2017	06/05/2018				
Jeffrey Benson	25/09/2017	24/03/2018				
▶ Calibration	Temperature calibration	7841	60 D	-		
▶ Calibration	Comductivity calibration	7841	60 D	-		

Maintenance

+ New		Reporting	Bulk Edit	Custom Filters	🗑️					NERC	
Name	Serial Number	Barcode	Type	Group	Manufacturer	Base Location	Location				
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	Sea containers	All	All	<input type="text"/>	<input type="text"/>				
<input type="checkbox"/>	20' OT TITU 8601330 HIRED	TITU 8601330	260002358	Transport container	NMF Lo...	NOC » OUT » Zone 21 (GLIDERS AREA)	NOC » OUT				
<input type="checkbox"/>	20' OT TITU 8601372 (Grey) Hired	TITU 8601372	260004346	Transport container	NMF Lo...	NOC » OUT » Zone 13 (QUAYSIDE)	Courier » D				
<input type="checkbox"/>	20' OT TITU 8602506 (Blue) Hired	TITU 8602506	260004347	Transport container	NMF Lo...	NOC » OUT » Zone 13 (QUAYSIDE)	Courier » D				
<input type="checkbox"/>	20' OT TOLU 4605970 (Red) Hired	TOLU 4605970	260004344	Transport container	NMF Lo...	NOC » OUT » Zone 13 (QUAYSIDE)	Contact » N				
<input type="checkbox"/>	20' Platform 1	GVTU6500238	260003828	Storage container	NMF Oc...	NOC » OUT » Zone 13 (QUAYSIDE)	NOC » OUT				
<input type="checkbox"/>	20' Platform 2	GVTU6500140	260003829	Storage container	NMF Oc...	NOC » OUT » Zone 13 (QUAYSIDE)	Ship » Disc				
<input type="checkbox"/>	20' Platform 3	GVTU6500156	260003830	Storage container	NMF Oc...	NOC » OUT » Zone 13 (QUAYSIDE)	Ship » Disc				
<input type="checkbox"/>	20' Platform 4	GVTU6500222	260003831	Storage container	NMF Oc...	NOC » OUT » Zone 13 (QUAYSIDE)	Ship » Disc				
<input type="checkbox"/>	20' Reefer container	PENT0324604	260004047	Transport container	NMF Lo...	NOC » OUT » Zone 4 (LOGISTICS ASSEMBLY AREA)	Ship » Jame				
<input type="checkbox"/>	20' Reefer container	PENT0325350	260004048	Transport container	NMF Lo...	NOC » OUT » Zone 4 (LOGISTICS ASSEMBLY AREA)	Ship » Jame				
<input type="checkbox"/>	20' Reefer Container ZUBKOV 1 MoFlo reefer TCLU 1913316	TCLU 1913316	260001665	Transport container	NOC OBE	NOC » OUT » Zone 1 (CONTAINER YARD)	Contact » N				
<input type="checkbox"/>	20' Reefer Container ZUBKOV 2 PSOU 6217643	PSOU 6217643	260001666	Transport container	NOC OBE	NOC » OUT » Zone 1 (CONTAINER YARD)	NOC » OUT				
<input type="checkbox"/>	20ft hard top BEG Store	PSSU 323061 0	260002723	Storage container	NMF Oc...	NOC » OUT » Zone 3 (WORKSHOPS LIVE AREA)	NOC » OUT				
<input type="checkbox"/>	20ft hard top BEG Store	XMDU 100102 2	260002724	Storage container	NMF Oc...	NOC » OUT » Zone 3 (WORKSHOPS LIVE AREA)	NOC » OUT				
<input type="checkbox"/>	40ft curtain sider	PSSU 4014723	260002219	Storage container	NMF Oc...	NOC » OUT » Zone 7 (WORKSHOPS STATIC AREA)	NOC » OUT				

- 250001210 Seabird SBE 3plus Premium Ten
- 250001212 Seabird SBE 4C Conductivity Se
- 250001219 Seabird SBE 4C Conductivity Se
- 250001227 Seabird SBE 32 Carousel Water
- 250001447 CTG AquaTracka Mk3 Chlorophy
- 250001448 CTG AquaTracka Mk3 Chlorophy
- 250001653 Seabird SBE 32 Carousel Water
- 250001658 Seabird SBE 3plus Premium Ten
- 250001659 Seabird SBE 3plus Premium Ten
- 250002723 WET Labs ECO BBtrd 650nm Ba



Marine Facilities Planning Tool

Maintenance- Notifications

Individual Equipment Subscription

Seabird SBE 43 Dissolved Oxygen Sensor - Ti 7,000m (CTD)

+ Add New Maintenance Definition

+ Add New Maintenance Entry

Subscribe to Notifications

Type	Name	Identification...			Required	Last Perform...	Expiry	Memo
▶ Calibration	Calibration	1882	-	-	Periodically	21/07/2018	20/07/2021	

Subscribe to multiple equipment

MFP | NERC Inventory Management

+ New Reporting Bulk Edit

Name	Number	Barcode
All		All
<input checked="" type="checkbox"/> FLS Full Ocean D	771	260006
<input checked="" type="checkbox"/> 24 inch monitor t		260005
<input checked="" type="checkbox"/> 27 inch monitor t		260005
<input checked="" type="checkbox"/> 27 inch monitor t		260005

BULK EDIT

- Details
- Financial
- Customs
- Add work History
- Add Maintenance Definition
- Subscribe to Notifications
- Unsubscribe from Notifications

Expiring certification - Beta

Marine Facilities Notification System
Tuesday, 31 January 2017 at 10:36
To: Batten, Kay E.

Expiry Notification

Task	Maintenance, Tests and Calibrations expiry
Name	1.6t Lebus GP Winch
Serial number	0w91-2806-02
Barcode	240002529
Name of maintenance/test/calibration	OED 155: Load&bear
Date of validation	15/07/2008
Date of expiry	14/07/2013
Note/Status	Reminder Please open this task.



Marine Facilities Planning Tool

Inventory Management System (IMS) – Tracking

←

- Details
- Financial
- Customs
- Deployment Properties
- Deployment History
- Maintenance
- Documents
- Tracking**
- Planning
- Usage

KUMQUAT K/MT 562

800085202 / 1301289-450154

Display	Store Date	End Date
▶ GEOMAR Helmholtz Centre for Ocean Research Kiel	27.08.2019 13:25	
▶ GEOMAR	29.07.2019 14:38	27.08.2019 13:25
▶ Langseth Seattle - Kiel RETURN	24.07.2019 14:53	29.07.2019 14:38
▶ Marcus Langseth	26.04.2019 09:10	24.07.2019 14:53
▶ Inchcape Shipping Services	08.03.2019 15:15	26.04.2019 09:10
▶ Langseth 2019 Suva - Honolulu	05.02.2019 16:32	08.03.2019 15:15
▶ Sonne	04.12.2018 13:27	05.02.2019 16:32
▶ Ocean Glory Shipping Agencies Co., Ltd.	22.11.2018 13:15	04.12.2018 13:27
▶ SO-267 Kiel - Kaohsiung	30.09.2018 10:42	22.11.2018 13:15
▶ GEOMAR Helmholtz Centre for Ocean Research Kiel	28.09.2018 07:27	30.09.2018 10:42



Marine Facilities Planning Tool

Inventory Management System (IMS) – Equipment Details

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☑ ☑ This Year

2019		Juni 2019					Juli 2019					August 2019					September 2019					Oktober 2019					November 2019					Dezember 2019					Januar 2020					Februar 2020					März 2020					April 2020					Mai 2020																																												
ID	Equipment	22	23	24	25	26	27	28	29	30	31	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22																																																																				
800027802	KUMQUAT K/MT 562	Korea Polar Research Institute										ARAON 2019 Suva - Incheon RETURN																																																																																									
800028002	KUMQUAT K/MT 562	Korea Polar Research Institute										ARAON 2019 Suva - Incheon RETURN																																																																																									
800028102	KUMQUAT K/MT 562	Trc Brin Troms Troms										Ti OBS_29 Helmer Hanssen 2019																																																																																									
800028302	KUMQUAT K/MT 562	Korea Polar Research Institute										ARAON 2019 Suva - Incheon RETURN																																																																																									
800028402	KUMQUAT K/MT 562	Korea Polar Research Institute										ARAON 2019 Suva - Incheon RETURN																																																																																									
800028702	KUMQUAT K/MT 562	K.U.M. Umwelt- und Meeretechnik Kiel GmbH																																																																																																			
800028902	KUMQUAT K/MT 562	K.U.M. Umwelt- und Meeretechnik Kiel GmbH																																																																																																			
800029002	KUMQUAT K/MT 562	Korea Polar Research Institute										ARAON 2019 Suva - Incheon RETURN										SO 271/2 Kiel - Port Louis					Port					SCIROCCO-OBS03																																																																					
800065402	KUMQUAT K/MT 562	Korea Polar Research Institute										ARAON 2019 Suva - Incheon RETURN																																																																																									
800065502	KUMQUAT K/MT 562	Korea Polar Research Institute										ARAON 2019 Suva - Incheon RETURN																																																																																									
800085002	KUMQUAT K/MT 562	Langseth 2019																				POS					POS538					M																																																																					
800085102	KUMQUAT K/MT 562	Langseth 2019										Langseth Seattle - K																																																																																									
800085202	KUMQUAT K/MT 562	Langseth 2019										Langseth Seattle - K																																																																																									
800085302	KUMQUAT K/MT 562	Langseth 2019										Langseth Seattle - K										POS					POS538					M																																																																					
800085402	KUMQUAT K/MT 562	Langseth 2019										Langseth Seattle - K																																																																																									
800085502	KUMQUAT K/MT 562	Langseth 2019										Langseth Seattle - K										POS					POS538					M					K.U.M. Umwelt- und Meeretechnik Kiel GmbH																																																																
800085602	KUMQUAT K/MT 562	Langseth 2019										Langseth Seattle - K										POS					POS538					M																																																																					
800091202	KUMQUAT K/MT 562	Langseth 2019										Langseth Seattle - K																																																																																									
800091302	KUMQUAT K/MT 562	Langseth 2019										Langseth Seattle - K										POS					POS538					M																																																																					
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800125002	KUMQUAT K/MT 562	Trc Brin Troms Troms										Tromsøe 2019										Brin T																																																																															
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800136802	KUMQUAT K/MT 562	Korea Polar Research Institute										ARAON 2019 Suva - Incheon RETURN																																																																																									



Marine Facilities Planning Tool

Planning & Moving Equipment - Planlist

Planlists are used to group equipment, consumables and hazardous materials for shipping.

Planlist can be attached to voyages, cruises, long term deployments and transports



Marine Facilities Planning Tool

MFP | NIOZ Inventory Management Beiko Maas

PELAGIA 2020

Ship
Pelagia

Contact Person

Notes

DOCUMENTS Upload

Drag and drop files here to upload or

Browse Files

PORT CALLS
CONNECTED TRANSPORTS

Previous Port Calls ↑

-44
Days

Texel - Netherlands

Planned Mobilisation ... ←

Actual Mobilisation ...

Planned Departure **15-9-2020 08:00**

Actual Departure ...

Equipment: 69 / 62

Technicians: 1

Mobilisation Details

ACTIVITIES +

477 Megafauna survey 2020-II Kxxxxx Cxxxxx

-35
Days

Texel - Netherlands

Planned Arrival **24-9-2020 16:00** →

Planned Demobilisation ...

Equipment: 0 / 62

Technicians: 12

Samples: 0

Demobilisation Details

-32
Days

Texel - Netherlands

Planned Arrival ... →

Planned Departure **27-9-2020 08:00**

Equipment: 13 / 227

Technicians: 10

Mobilisation Details

ACTIVITIES +

- Passage

-23
Days

Toulon (Var) - France

Planned Arrival **6-10-2020 16:00** →

EPU ...

Please enter customs informations

Equipment: 0 / 0

Technicians: 0

Samples: 0

Demobilisation Details

-20
Days

Toulon (Var) - France

Planned Arrival ... ←

Equipment: 0 / 0

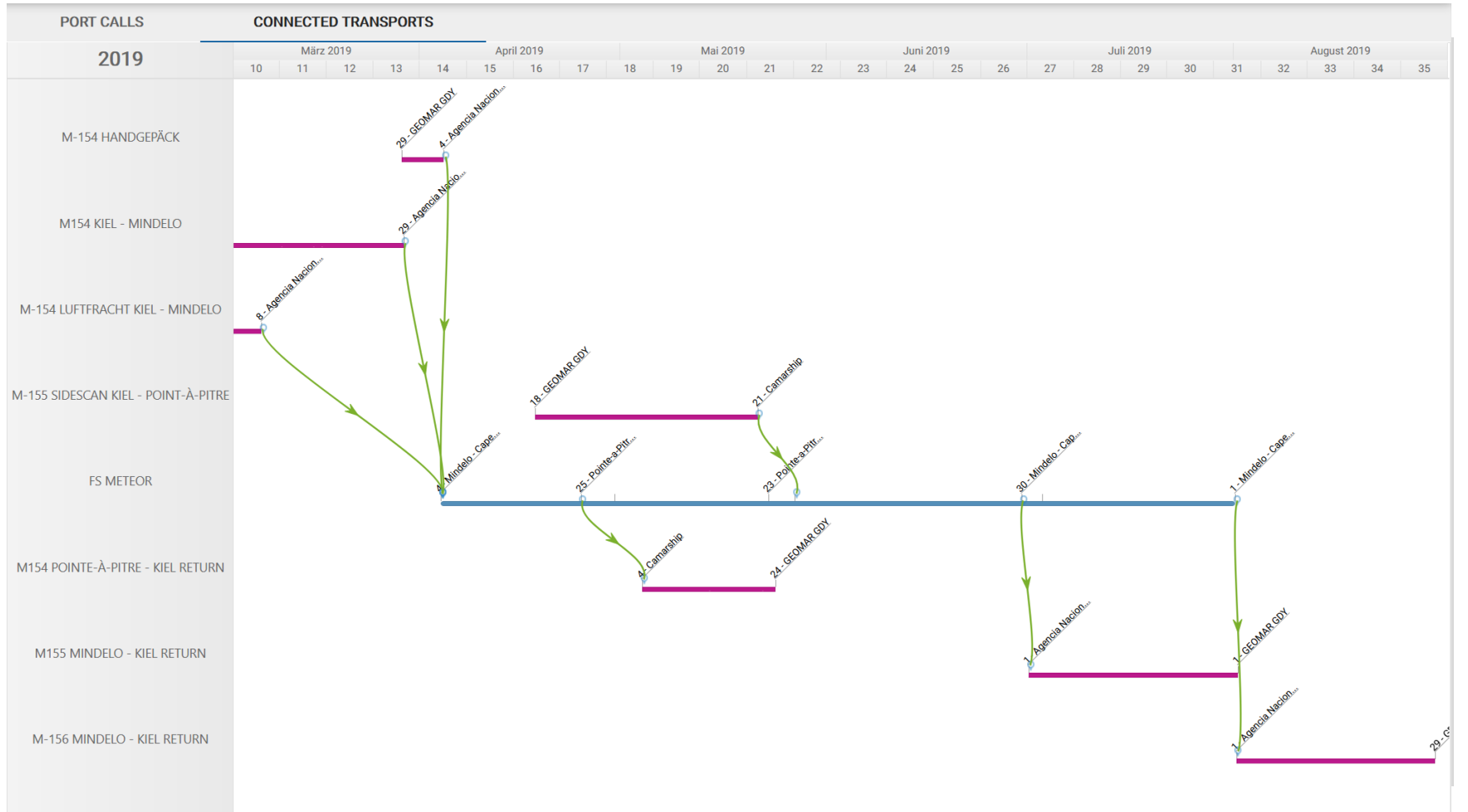
Technicians: 4

Mobilisation

Marine Facilities Planning Tool



Transports linked to voyages / cruises





Marine Facilities Planning Tool

Voyages & Cruises: Planning 3 – Planlist Editor

← M154 Pointe-à-Pitre - Kiel RETURN

change delete report duplicate move to

Transport
M154 Pointe-à-Pitre - Kiel RETURN

1

CONTENT EDIT MODE REVIEW

- 500174302 Zarges Box 186
- 500174402 Zarges Box 133
 - 800008602 Deck Unit 8011M
 - 800134702 Deck Unit AMD200
 - 800274802 MT Direction Finder DF...
- 500175502 Zarges Box SU 2
- 500187802 Zarges Box GEO 15
- 800339702 Seismometer 4.5 Hz K/M...
- 800343802 KUMQUAT K/MT 562
- 800356902 Geomar GPS System
- 800357002 Geomar GPS System
- 800357102 Geomar GPS System
- 800357202 Geomar GPS System
- 800357302 Geomar GPS Kabel
- 800357402 Geomar GPS Kabel
- 800426202 Geomar Triggerbox
- 500430702 Werkstattwagen Carlos
- 10 x Anker-Lobster-Bügel
- 10 x Anker-Lobster-flach
- 10 x Anker-Lobster-längs
- 10 x Anker-Lobster-Platte
- 10 x Anker-Lobster-quer

Equipment Consumables Hazardous Materials

3

Name	Serial Number	Barcode	Type	Group	Base Loca
All	4	All		All	
Alu Winch MB Hydraulik		800156402	General purpose winch	GDY	GEOMAR »
Alu Winch MB Hydraulik // Remote Control	MC-3000	800180302	Hand tool	GDY	GEOMAR »
Alu Winch MB Hydraulik // Zarges Box					
Digitizer Case 1					
Digitizer Case 2					
Digitizer Case 3					
Digitizer Case 5					
DMS Deck Cable ohne Nummer					
DMS Deck Cable S14830-D					
Ethernet Switch					
Ethernet Switch					

5

1 Planlist Properties

- change: edit planlist properties.
- delete: remove the planlist and all planned items.
- Report: create an Excel list, documents ZIP, Shipping Labels, Container Content Analysis
- duplicate: create a duplicate planlist
- move to: moves the content of the planlist to an selected location

2 Change the current view

3 Check equipment availability at a specific location at any point in time

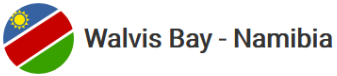
4 You can add filters like 'name', type, user group' to limit the number of items to select from

5 Planlist content. You can drag equipment, consumables or hazardous materials from the various views



Marine Facilities Planning Tool

← 2019 Atlantic



Planned Mobilisation
...

Actual Departure
31-1-2019 23:30

Inbound Transports

18-12 Rotterdam Kaapstad transport 2 Pelagia
19-12-2018 13:00 → 25-1-2019 08:00

CREW CHANGE

01-Master
 Jxxxx Exxxxn

04-Chief Engineer
 Jxxxxp Sxxxxa

03-Second Mate
 Pxxxxr Lxxxxn

02-First Mate
 Hxxxx Dxxxxa

10-NMF Technical Support
 Lxxxxz Bxxxxm

11-Nutrient Lab
 Kxxxxl Bxxxxr

05-Second Engineer
 Ixxxxo Mxxxxr

EQUIPMENT

Customs Reports

[Customs Report - Based on Planning](#)
[Customs Report - Based on Tracking](#)
[Pack List](#)
[Loading Plan](#)

Planned: 161
Actual: 0
Hazardous Substance: NO

Load

Validate

Planlists

+ Add Planlist

		Content	
Darci & Zeynep - FUNAMOX 2019	Dxxxxi Rxxxxh - All	0/7 0/10	
NMF support Funamox/Angola	Lxxxxz Bxxxxm - All	0/40 0/75	
Peter Kraal - FUNAMOX 2019 - Transport 1	Pxxxxr Kxxxxl - All	0/13 0/16	

Marine Facilities Planning Tool

Main Screens



12:30

MFP

Marine Facilities Planning

MFP syncing database with your device

Progress bar: 25%

12:30

MFP Main

Ships and Cruises	Deployments	Your Calendar
Scan Barcode	Audit	Register Maintenance

12:30

MFP

test@marinefacilitiesplanning.com

- Sync Data With Server
- Scanner Functionality
- Project Management
- Map
- Personal Schedule

Log Out

Marine Facilities Planning Tool

Maintenance



Inventory Management System (IMS) – Offline Maintenance

Equipment Name

DETAILS TRACKING MAINTENANCE

Planned Oil Change

REGISTER MAINTENANCE

Pressure Test

Gerald Santos 24/10/2019 Next Expiry 24/11/2019

Engine Service ⚠️

Howard King 06/08/2019 Next Expiry -

+

Equipment Name

DETAILS TRACKING MAINTENANCE

Planned Oil Change

REGISTER MAINTENANCE

Pressure Test

Gerald Santos 24/10/2019 Next Expiry 24/11/2019

Engine Service ⚠️

Howard King 06/08/2019 Next Expiry -

Add Corrective Event +

Plan Corrective Event 📅

+

×

Plan Corrective Event

Name
Oil Check

Time Expected To Perform Work (Hours)
12 h

Expected Time Out Of Action (Days)
90 d

Description
Planned check of the part №1234

Safety Related

Equipment Is Not Operational

Due Date Next Usage

Date

Attachments:

+

SAVE

Marine Facilities Planning Tool

Maintenance



← Event Name

Duration TRACK

Description

Attachments:

SAVE

← Event Name

Duration Time Tracking ×

00:38:32 ↺ ▶ ■

Description

Attachments:

SAVE

If the timer has not yet been activated, you can immediately exit time tracking for manual input

↑

Duration Time Tracking ×

00:00:00 ↺ ▶ ■

↓

Duration Time Tracking ×

00:38:32 ↺ ⏸ ■

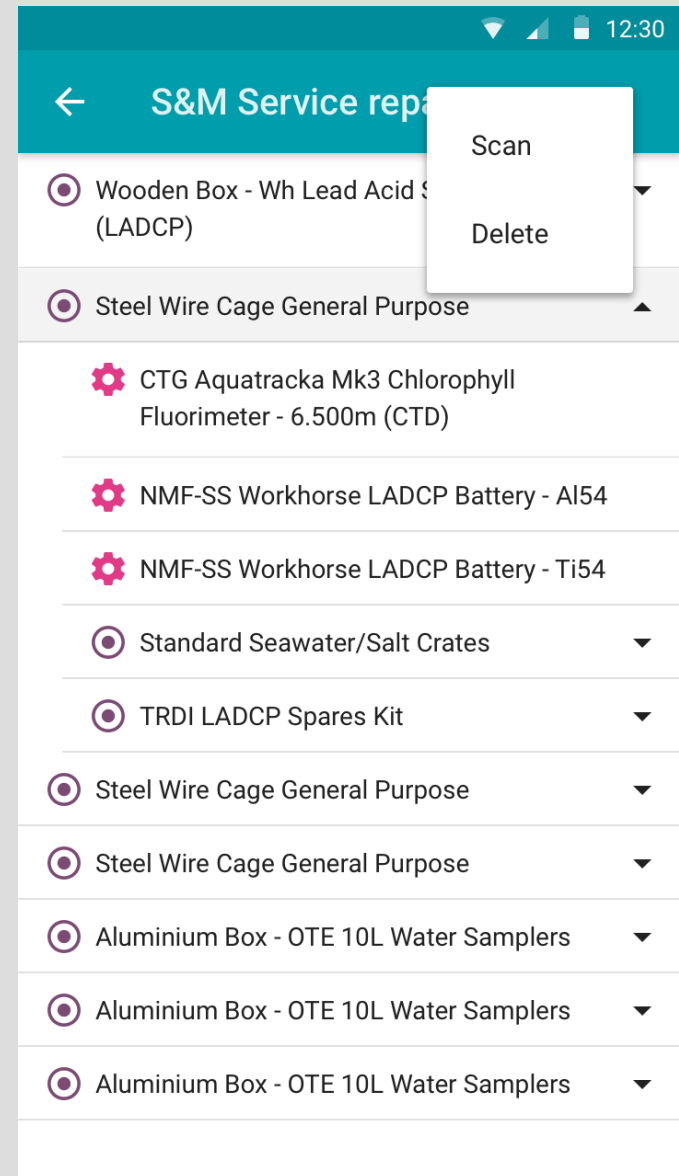
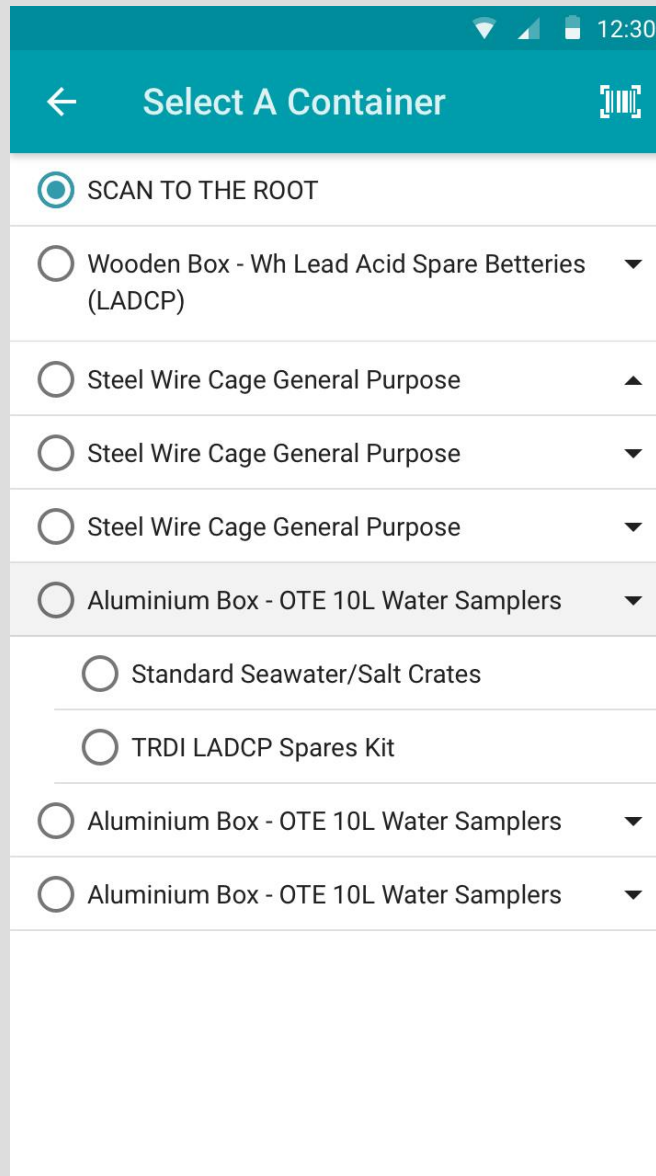
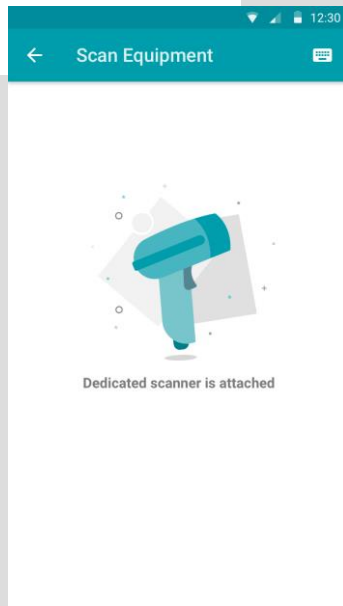
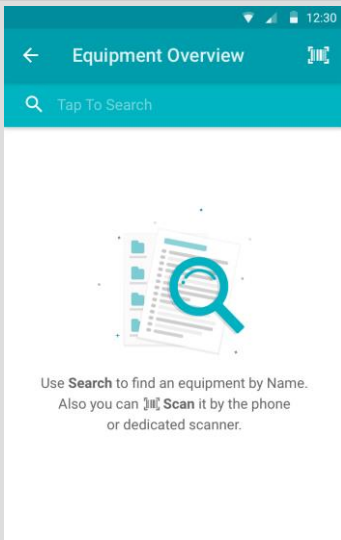
↓

Duration Time Tracking ×

00:38:32 ↺ ▶ ■

Marine Facilities Planning Tool

Packlists / Planlists



Marine Facilities Planning Tool

Deployments



← Deployments

GeoSEA A310 Dietrich Lange	Planned
k	
kpo_1195 Peter Brandt	Active
kpo_1196 Peter Brandt	Planned
kpo_1197 Peter Brandt	Planned
kpo_1198 Peter Brandt	Active
kpo_1201 Peter Brandt	Active
kpo_1201 Peter Brandt	Planned
kpo_1202 Johannes Karstensen	Planned
M	
MARSITE G2301 Dietrich Lange	Active
MARSITE G2302 Dietrich Lange	Planned

← GeoSEA A310

OVERVIEW EQUIPMENT DOCUMENTS

Planned

Contact
Dietrich Lange

Planned Depth
2746

Latitude
-20,799

Longitude
-70,8151666666667

Description
Station: A101
Transponder Address: 2701
Unit ID: 00372A

DEPLOY

← 1/2 Scan Components

AR861 NMEP
260002765 03:24PM 11/27/2020

MetOcean Novatech IR-7300 IRIDIUM
26056872765 04:57AM 08/09/2020

SBE 37 SMP CTD DIMES
560002765 01:11PM 04/20/2020

TRDI ADCP 300KHz Workhouse Sentinel + Kit NMEP
023469736 10:53AM 07/30/2020

AR861 NMEP
2693485003 05:33PM 08/12/2020

CONTINUE



Marine Facilities Planning Tool

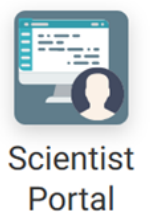
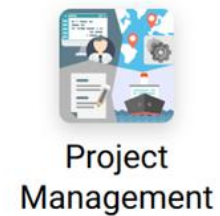
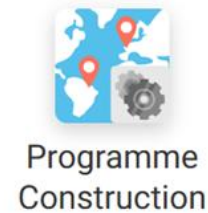
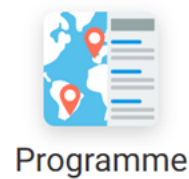
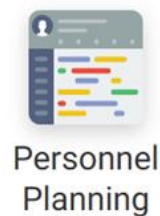
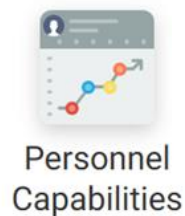
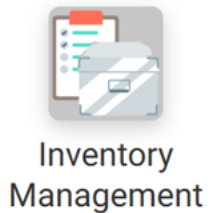
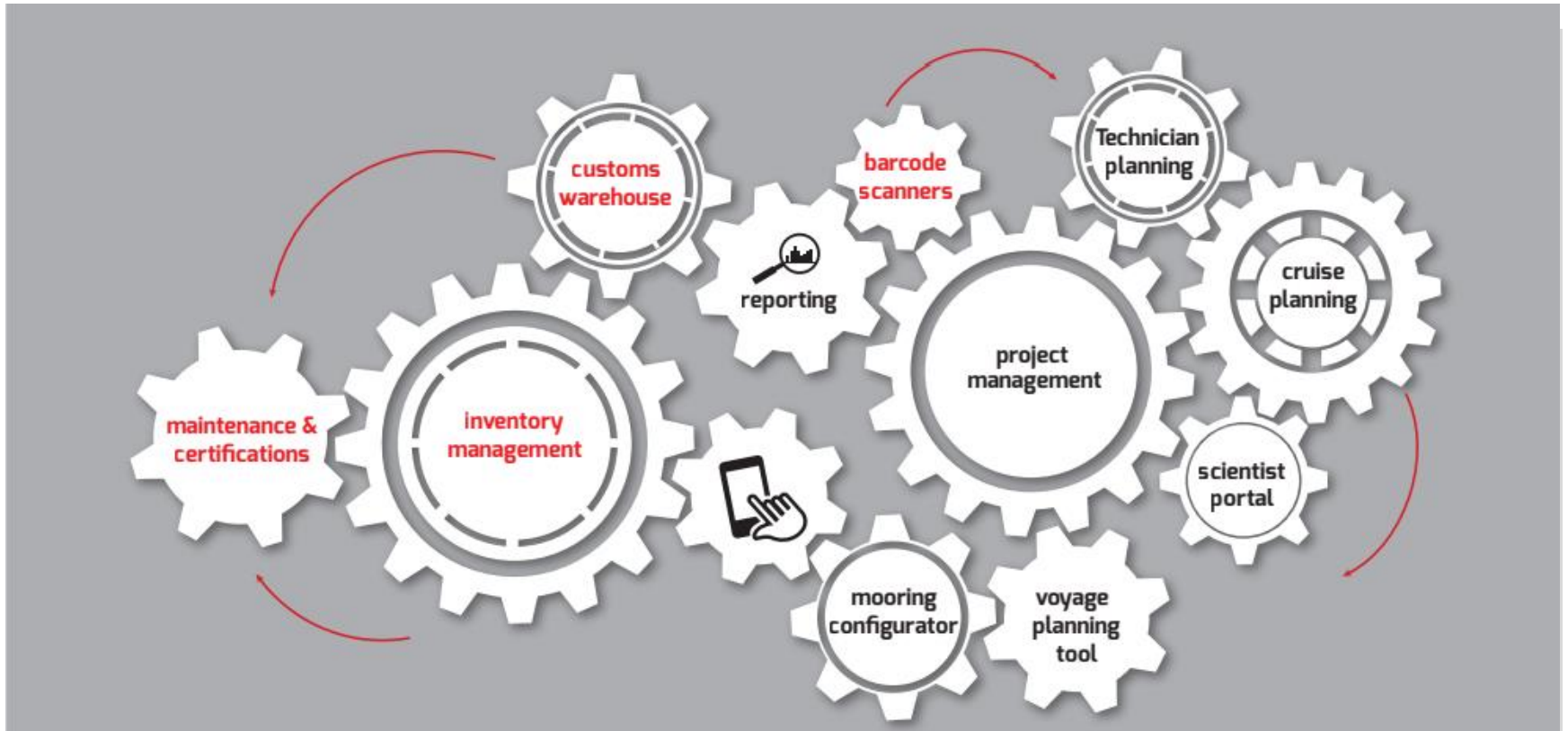
Inventory Management System – More Functionality..

Equipment Management System

- Proforma Invoice / Customs List
- **Lock Transports**
- (Official) Audits
- One-Way consumable planlists
- Deployments
- **Dashboard**
- **Reporting**

Marine Facilities Planning Tool

Introduction - modules





Marine Facilities Planning Tool

Equipment Maintenance – Corrective

ADD CORRECTIVE MAINTENANCE EVENT

Name

Drag And Drop A File Or

Browse Files

Duration

Days : Hours : Minu...

Reason For Repair

- Reason -

Safety Related

External Contractor

EDIT CORRECTIVE MAINTENANCE EVENT

Duration

1 : 13 : 0

Safety Related

External Contractor

Drag And Drop A File Or

Browse Files



PDF



PDF

ROV Cable Electric...ROV OTDR- Power...

Notes

Slipring has been refurbished by MacArtney and has been reinstalled in the storage drum and fully tested. Successful PASS test achieved.

CANCEL

SAVE