

MFP personnel planning and capabilities



Personnel
Capabilities



Personnel
Planning

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RVOC Duluth

- 2011 Inventory management phase 1 (T&T) at NIOZ programmed by Jaco Möhlmann
- 2012 T&T phase 2 with Maas SE
- 2013 NERC buys into T&T
- 2013 OFEG discussions about a common system
- 2014 NIOZ – NERC commission MFP
- 2015 NIOZ – NERC start using MFP



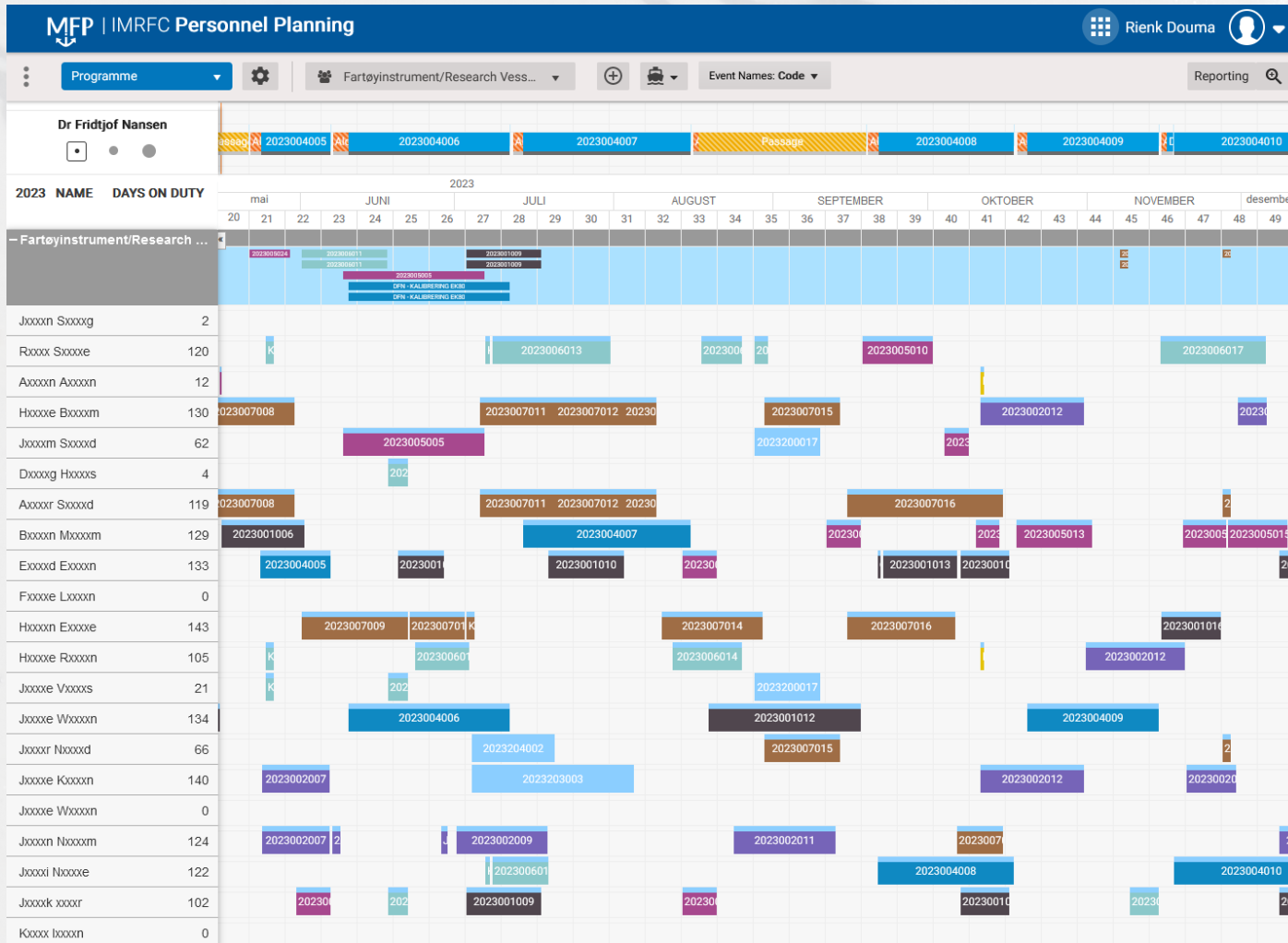


Personnel planning



- Personnel planning is fully customized for each organization that wants to use it.
- Depending on the setup, the planner can use automatic planning or manual planning.
- Automatic planning requires to set crew change dates.
- Custom events can be created.
- MFP keeps count of the number of working days for each crew member, but can also be set up to calculate an amount of leave per day at sea.

IMR technician planning



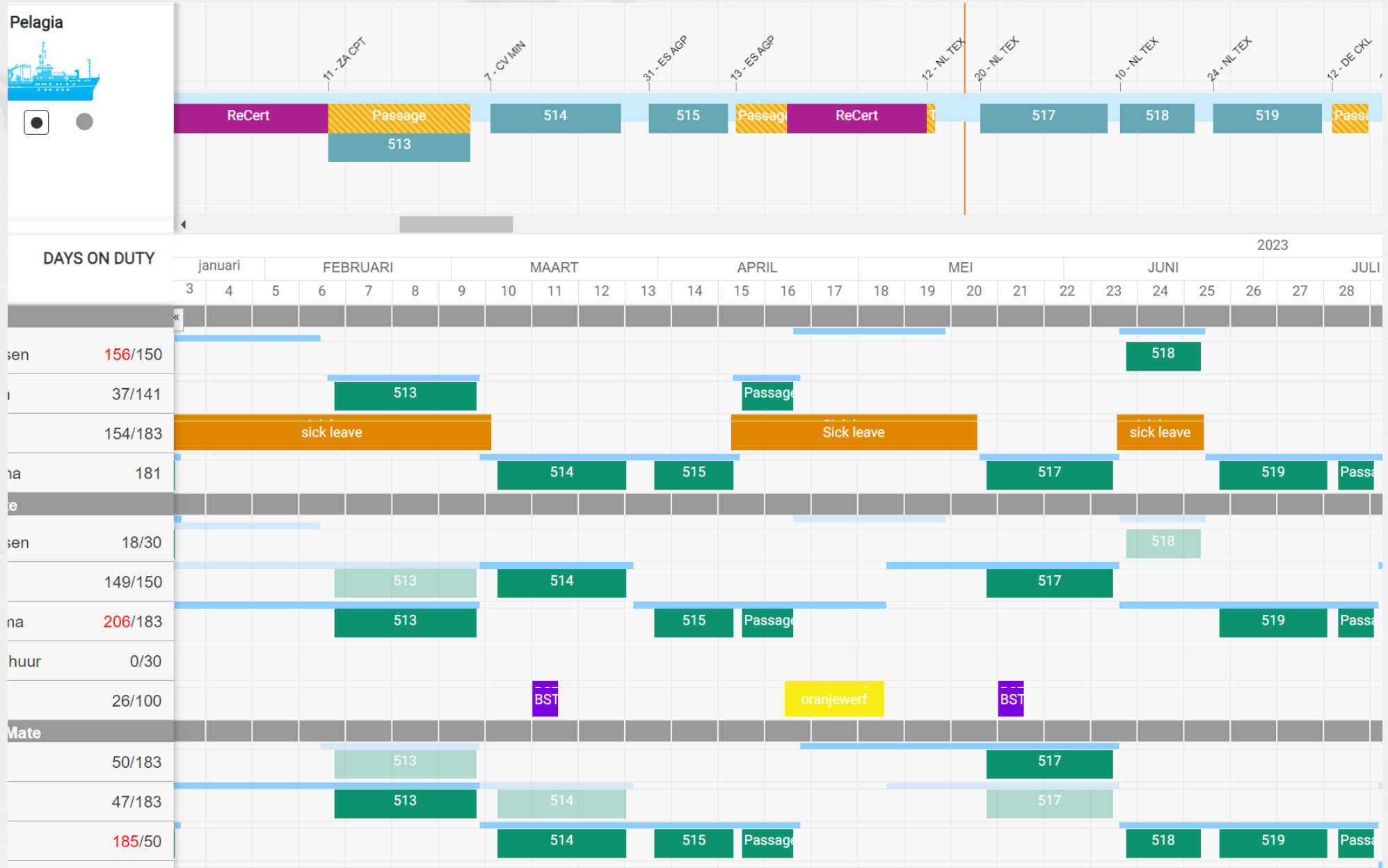
IMR:
Technicians only
9 ships
Approx. 300 technicians

Auto scheduling – NERC crew change dates



DEFINE CREW CHANGE DATES							
Crew Change Date		Arrival	Departure	Type	Next Cruise	Port	
<input checked="" type="checkbox"/> 16/02/2023 ▼	62	Report	29/01/2023	21/02/2023		DY157	Port Stanley (Malvinas)
<input type="checkbox"/>	36		23/03/2023	23/03/2023			Ponta Delga Autónoma d Portugal
<input checked="" type="checkbox"/> 01/04/2023 ▼	45	Report	30/03/2023	12/04/2023		DY163	Southampto United Kingd
<input type="checkbox"/>	15		15/04/2023	15/04/2023			Rosyth (Fife)
<input checked="" type="checkbox"/> 14/05/2023 ▼	44	Report	15/04/2023	24/05/2023		DY164	Rosyth (Fife)
<input type="checkbox"/>	29		11/06/2023	12/06/2023			Southampto United Kingd
<input type="checkbox"/>	30		12/06/2023	18/06/2023		23/1876	Southampto United Kingd
<input checked="" type="checkbox"/> 06/07/2023 ▼	54	Report	05/07/2023	09/07/2023		DY167	Southampto United Kingd
<input type="checkbox"/>	9		14/07/2023	15/07/2023			Tromso (Tro
<input type="checkbox"/>	39		13/08/2023	16/08/2023		DY168	Tromso (Tro

NIOZ: Manual planning



Manual planning - drafts



MFP | NIOZ Personnel Planning



Programme ▼



All ▼



Programme

2023 Aarnoud

2023-1

draft 2023-r

programma 2023 Len

31 - ES AGP

13 - ES AGP

12 - NL TEX

20 - NL TEX

10 - NL TEX

24 - NL TEX

515

Passage

ReCert

517

518

519



programma 2023 Len ▼



All ▼

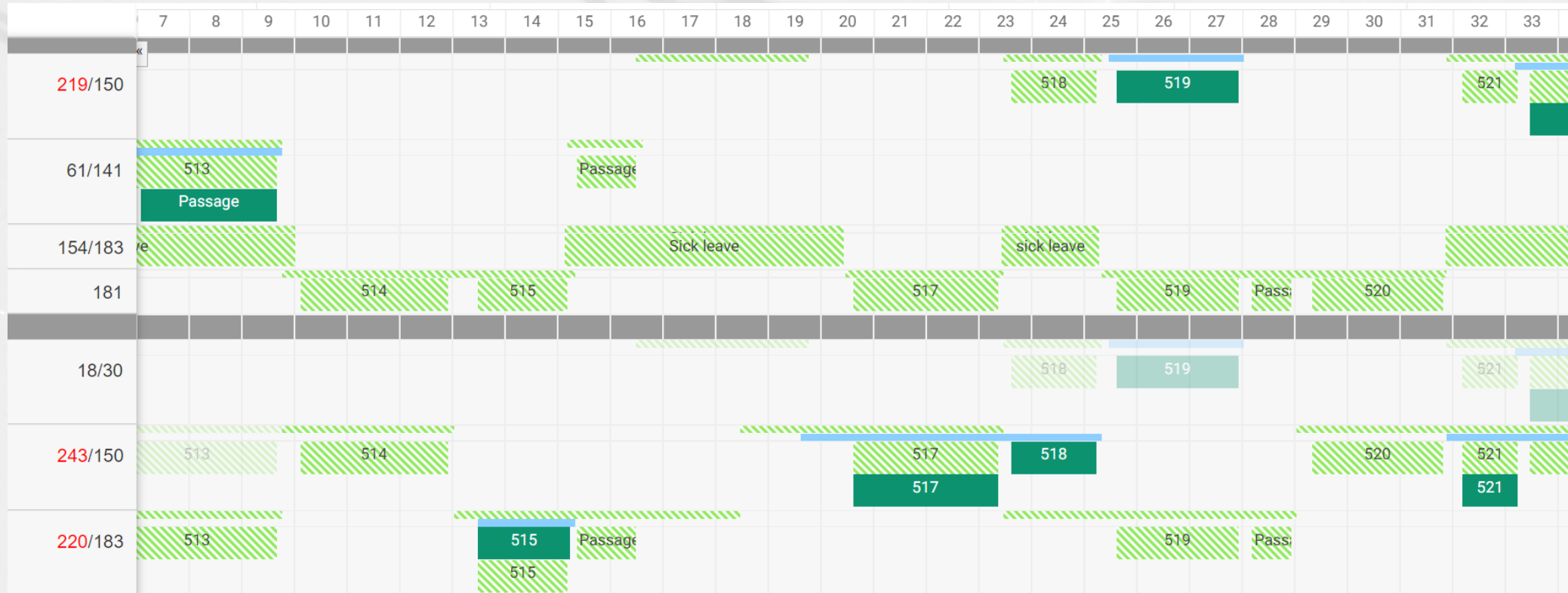


Publish



Scheduler

Manual planning - drafts



Navigation and control bar for the scheduler interface.

- Menu icon (three dots)
- Dropdown menu: programma 2023 Len
- Settings icon (gear)
- Group selection: All
- Add icon (+)
- Task type icon (train)
- Publish button
- Scheduler tab with calendar icon

Manual planning



11-2 1-C 31-2 13-2 12-1 20-1 10-1 24-1 12-2

ReCert Passage 514 515 Passage ReCert 517 518 519 Passage

NEW ACTIVITY

Group
select ▼

Personnel
select ▼

Ship
Select ▼

- Or -

Custom ▼

EMBARK

Vessel Departure
Vessel Departure ▼

Days Before Departure Travel Time ✕

Start Expected At Vessel

DISSEMBARK

Vessel Arrival
Vessel Arrival ▼

Days After Arrival Travel Time ✕

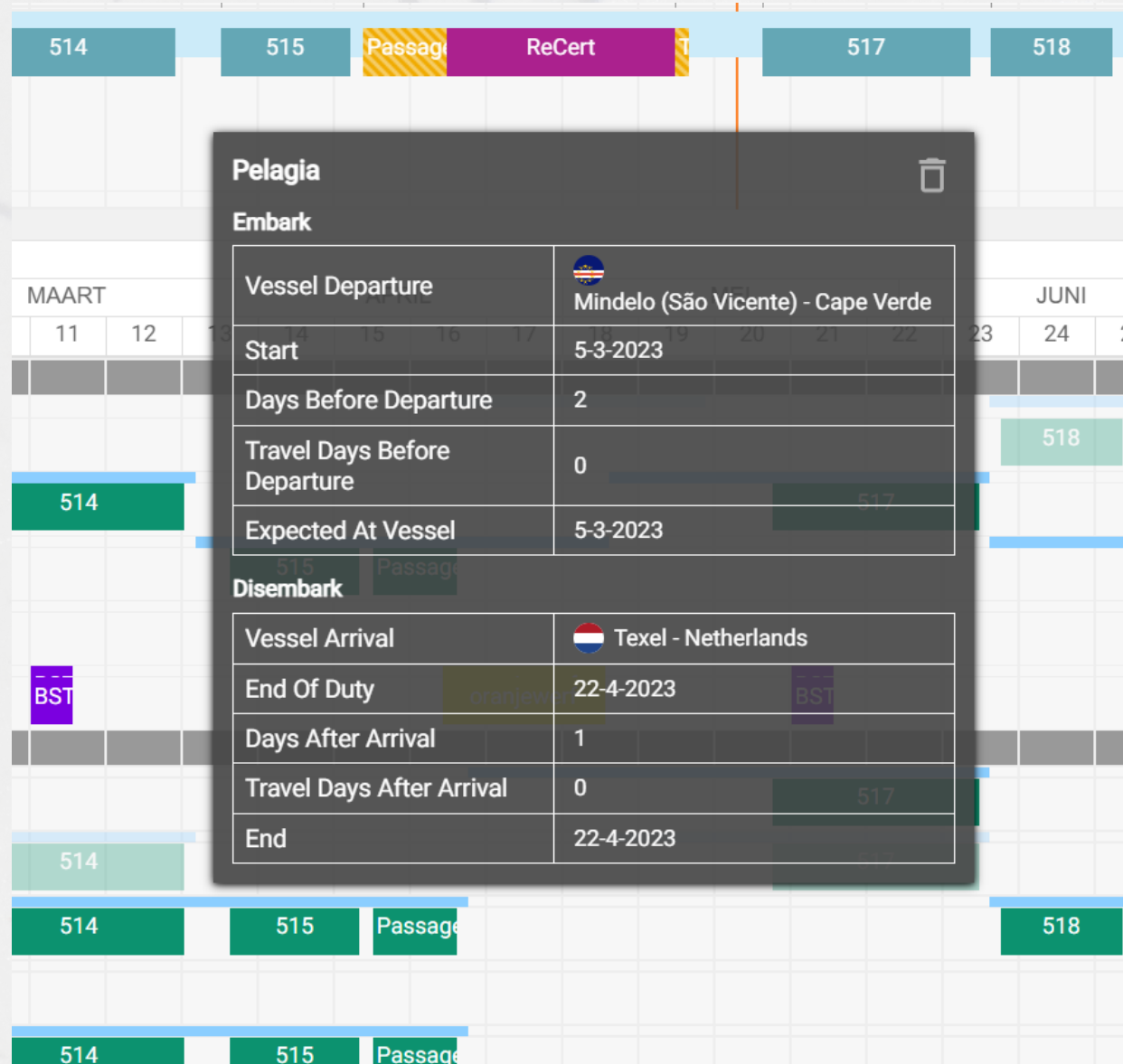
End Of Duty End

ACTIVITIES

No activities in this period

CANCEL SAVE

Manual planning







Manual planning



Personnel Custom Events

[+ Add New Event Type](#)

Name	Color	Blocking	Record Travel Days	Leave per Day
crew change		No	Yes	0
Days at Sea		Yes	Yes	0,2
Leave Day Adjustment		No	No	0
shipyard period		No	Yes	0
sick leave		No	No	0
special leave		No	No	0
training		Yes	Yes	0

Personnel planning – crew calendar view



MFP | NIOZ Portal

Programme

My Schedule

Training & Certificates

My Profile

PERSONNEL TABLE

SCHEDULER

Month	Activity / Event	Start Date	End Date	Location / Details
februari				
maart	514: Dust2023	~15/03	~15/04	ESAGP
april	515: OASIS 2023	~01/04	~15/04	ESAGP
mei	517: NoSE- North Sea Atlantic Exchange	~15/05	~15/06	NLTEX
juni	517: NoSE- North Sea Atlantic Exchange	~01/06	~15/06	NLTEX
juni	519: Bothnian Marix (Methane and ammonium removal in coastal systems)	~15/06	~15/07	NLTEX
juli	519: Bothnian Marix (Methane and ammonium removal in coastal systems)	~01/07	~15/07	DECKL
juli	520: DEPOCA	~15/07	~15/08	ISREY
augustus	520: DEPOCA	~01/08	~15/08	PTPDL
september				NLTEX
oktober	524: ReVIFES najaar 2023	~01/10	~15/10	NLTEX
oktober	525: Methane emission in the North Sea II	~15/10	~15/11	NLTEX



augustus 2023

ma	di	wo	do	vr	za	zo
31 Pelagi...	1 Pelagi...	2 Pelagi...	3 Pelagi...	4 Pelagi...	5 Pelagi...	6 +2
7 Alongs..	8 Alongs..	9 +2	10 Pelagi...	11 Pelagi...	12 Pelagi...	13 Pelagia..
14 Pelagi...	15 Pelagi...	16 Ponta ...	17 Pelagi...	18 Travel	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

WEDNESDAY, AUGUSTUS 9



Ponta Delgada (Região Autónoma dos Açores) - Portugal



Alongside

Personnel capabilities – expiring certificates



ISPS general											
CERTIFICATES											
+ New Certificate		+ Linked Certificate Group									
Title	Upload Needed	Months Before Expiry Notice	Medical Officer Mandatory	07-Deck Personnel Optional Mandatory		08-COOK Optional Mandatory		09-Steward Optional Mandatory		10-NMF Technical Support Optional Mandatory	
Basic Safety	<input checked="" type="checkbox"/>	4 Months ▾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Advanced Fire Fighting	<input checked="" type="checkbox"/>	4 Months ▾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Security Awareness	<input checked="" type="checkbox"/>	Never ▾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vaarbevoegdheid	<input checked="" type="checkbox"/>	4 Months ▾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Personnel capabilities – expiring certificates



	Erica Koning Staff	<ul style="list-style-type: none">● ISPS general (3)● Medical certificates (1) Vaccinations	-	-	-	-	-
Certificate	Status	Doc	Number	Issue Date	Expiry Date		
Basic Safety	Valid	view	bst1	1-1-2021	● 1-1-2026	⋮	
Advanced Fire Fighting	Upcoming	view	FF1	23-9-2018	● 23-9-2023	⋮	
Security Awareness	Valid	view	SA1	16-9-2022	-	⋮	

Personnel capabilities – expiring certificates



MFP NERC Personnel Capabilities		Rienk Douma				
Manage Lists	All ▾	Mariners ▾	Search			
Technical Capabilities	User	Certificates	Level	Tier Title	Qualification Expiry	Current Technical C
Skills	01 Master					
Courses	Axxxxo Gxxxxi	Upcoming : 4 <ul style="list-style-type: none"> Mariner Certificates (23) Sea going technician compliance certificates (1) Vaccinations (7) 	-	-	-	-
Specialist Capabilities	lxxxxn Mxxxxd	<ul style="list-style-type: none"> Mariner Certificates (23) Sea going technician compliance certificates (1) Vaccinations 	-	-	-	-
Trainers	Jxxxxn Lxxxxk	<ul style="list-style-type: none"> Mariner Certificates (23) Sea going technician compliance certificates (1) Vaccinations (7) 	-	-	-	-
Certificates	Jxxxxs Gxxxxl	<ul style="list-style-type: none"> Mariner Certificates (23) Sea going technician compliance certificates (1) Vaccinations (8) 	-	-	-	-
Vaccinations	Sxxxxt Mxxxxy	<ul style="list-style-type: none"> Mariner Certificates (23) Sea going technician compliance certificates (1) Vaccinations (8) 	-	-	-	-
	02 Chief Officer					
	Pxxxxp Gxxxxd	<ul style="list-style-type: none"> Mariner Certificates (26) Sea going technician compliance certificates (1) Vaccinations (7) 	-	-	-	-
	Axxxxw Mxxxxn	<ul style="list-style-type: none"> Mariner Certificates (26) Sea going technician compliance certificates (1) Vaccinations (8) 	-	-	-	-
	lxxxxn Mxxxxd	<ul style="list-style-type: none"> Mariner Certificates (26) Sea going technician compliance certificates (1) Vaccinations 	-	-	-	-

Personnel capabilities – uploading certificates



MFP NERC Portal						Rxxxxd Axxxxx
Programme						
My Schedule						
Training & Certificates						
My Profile						
CERTIFICATES		TECHNICAL CAPABILITIES				
<ul style="list-style-type: none"> FREIGHT AND TRANSPORT COMPLIANCE CERTIFICATES 	Doc	Number	Issue Date	Expiry Date		
Carriage of Dangerous Goods by Road and Rail	-	-	-	-	+ Upload	
<ul style="list-style-type: none"> HEALTH & SAFETY 						
Safe entry to enclosed spaces	-	-	-	-	+ Upload	
Working at height	-	-	-	-	+ Upload	
Working at height - Fall protection equipment	-	-	-	-	+ Upload	
<ul style="list-style-type: none"> SEA GOING TECHNICIAN COMPLIANCE CERTIFICATES 						
Certificate of Proficiency in Security Awareness	-	-	-	-	+ Upload	
Driving Licence	-	-	-	-	+ Upload	
ENG1 Seagoing medical	View	260247	29/03/2022	● 28/03/2024	⋮	
ITC Level 3 Outdoor 1st Aid	-	-	-	-	+ Upload	
Passport	View	560458492	26/03/2019	● 26/03/2029	⋮	
Passport - second	-	-	-	-	+ Upload	
Personal Survival Techniques (PST)	View	FAA/PST/18-0009	20/03/2018	● 19/03/2023	⋮	
Proficiency in Designated Security Duties (PDSD)	View	FAA/PDSD/18-0004	01/03/2018	-	⋮	
Seamans; discharge book	-	-	-	-	+ Upload	
Transitional Seafarers Agreement	View	-	04/02/2020	-	⋮	

Personnel capabilities – expiring certificates



MFP NERC Personnel Capabilities				Rienk Douma		
Manage Lists		All	Technicians	Search		
Technical Capabilities	Person Title	Qualification Expiry	Current Technical Capability	Progress		
			Operator - AUV Ops LARS Service Technician	<div style="width: 0%;"></div>	ⓘ	+
	JV Ops Autosub 5 Seagoing Deck Operator	● 13/07/2025 ⓘ	Operator - AUV Ops Autosub 5 Seagoing Lab Operator	<div style="width: 20%;"></div>	ⓘ	+
	JV Ops Autosub 6000 Seagoing Deck Operator	● 20/07/2024 ⓘ	Operator - AUV Ops C-Worker 4 Operator	<div style="width: 0%;"></div>	ⓘ	
			Operator - AUV Ops Shift Supervisor	<div style="width: 10%;"></div>	ⓘ	
			Operator - ROV Exped Tracker	<div style="width: 0%;"></div>	ⓘ	
			Operator - ROV Isis Seagoing Mechanical Tech	<div style="width: 10%;"></div>	ⓘ	
	JV Ops LARS Service Technician	● 20/07/2025 ⓘ	Lead Operator - AUV Ops Autosub 5 Seagoing Deck Operator	<div style="width: 30%;"></div>	ⓘ	+
			Lead Operator - AUV Ops Autosub 6000 Seagoing Deck Operator	<div style="width: 60%;"></div>	ⓘ	
			Lead Operator - AUV Ops C-Worker 4 Operator	<div style="width: 0%;"></div>	ⓘ	
	JV Ops Autosub 6000 Seagoing Lab Operator	● 20/07/2023 ⓘ	Lead Operator - AUV Ops Autosub 5 Seagoing Lab Operator	<div style="width: 70%;"></div>	ⓘ	+
	JV Ops Autosub 6000 Seagoing Lab Operator	● 20/07/2023 ⓘ	Lead Operator - AUV Ops C-Worker 4 Operator	<div style="width: 40%;"></div>	ⓘ	
			Operator - AUV Ops Multibeam and Side Scan Sonar Data QC	<div style="width: 0%;"></div>	ⓘ	
			Lead Operator - GEN Bathysnap IV	<div style="width: 0%;"></div>	ⓘ	
	JV Ops Autosub 5 Seagoing Lab Operator	● ⓘ	Operator - AUV Ops Autosub 5 Seagoing Deck Operator	<div style="width: 30%;"></div>	ⓘ	+
	JV Ops Autosub 6000 Seagoing Lab Operator	● 14/09/2023 ⓘ	Operator - AUV Ops Autosub 6000 Seagoing Deck Operator	<div style="width: 50%;"></div>	ⓘ	
	JV Ops Multibeam and Side Scan Sonar Data QC	● ⓘ	Operator - AUV Ops C-Worker 4 Operator	<div style="width: 60%;"></div>	ⓘ	
	JV Ops Shift Supervisor	● 20/07/2025 ⓘ	Lead Operator - AUV Ops Autosub 5 Seagoing Deck Operator	<div style="width: 20%;"></div>	ⓘ	+
			Operator - AUV Ops Autosub 5 Seagoing Lab Operator	<div style="width: 20%;"></div>	ⓘ	
			Lead Operator - AUV Ops Autosub 5 Seagoing Lab Operator	<div style="width: 30%;"></div>	ⓘ	
			Operator - AUV Ops Autosub 6000 Seagoing Deck Operator	<div style="width: 30%;"></div>	ⓘ	
			Operator - AUV Ops Autosub 6000 Seagoing Lab Operator	<div style="width: 20%;"></div>	ⓘ	

Personnel capabilities – expiring certificates



MFP | NERC Portal Rxxxxd Axxxxx

Programme My Schedule **Training & Certificates** My Profile

CERTIFICATES **TECHNICAL CAPABILITIES**

Search

- **Lead Operator** - AUV Ops Autosub 6000 Seagoing Deck Operator
- **Operator** - AUV Ops Shift Supervisor
- **Operator** - AUV Ops C-Worker 4 Operator
- **Operator** - ROV Isis Seagoing Mechanical Tech
- **Operator** - ROV Exped Tracker
- **Lead Operator** - AUV Ops Autosub 5 Seagoing Deck Operator
- **Operator** - AUV Ops Autosub 5 Seagoing Lab Operator

Tier Requirements:

Skill	20/07/2021	AUV Ops Autosub 6000 Frame Assembly	✓
		Remove/Re-Install Abort Weigh Dropper	✓
		Remove/Re-Install EdgeTech	✓
		Remove/Re-Install EM2040	✓
		Remove/Re-Install Navigation Tube	✓
		Remove/Re-Install Pressure Vessels	✓
		Remove/Re-Install Batteries	✓
		Remove/Re-Install Center Section Foam	✓
Skill	20/07/2021	AUV Ops Autosub 6000 Actuators Setup	✓
		Centre Rudder or Stern Plane	✓
		Replace Rudder or Stern Plane Actuator	✓
Skill	20/07/2021	AUV Ops Opening and Closing Pressure Vessels	✓
		Use Aquashield or Duralac on external threads	✓
		Correct use of DC4 on O-Rings	✓
		Understands dangers and potential sources of internal pressure, e.g. flooding/electrolysis etc	✓
		Understands use and handling of Silica Desiccant	✓
		Use of jacking screws	✓
		Identify correct O-ring from drawing or reference	✓
		Clean and Inspect Grooves and Sealing Surfaces	✓
Skill	10/10/2022	AUV Ops Underwater Connectors	✓
		Demonstrate good connector cap. using caps to protect connectors etc	✓