



IHS Markit™

Maritime Portal Release Notes

Latest updates, features and enhancements to your service

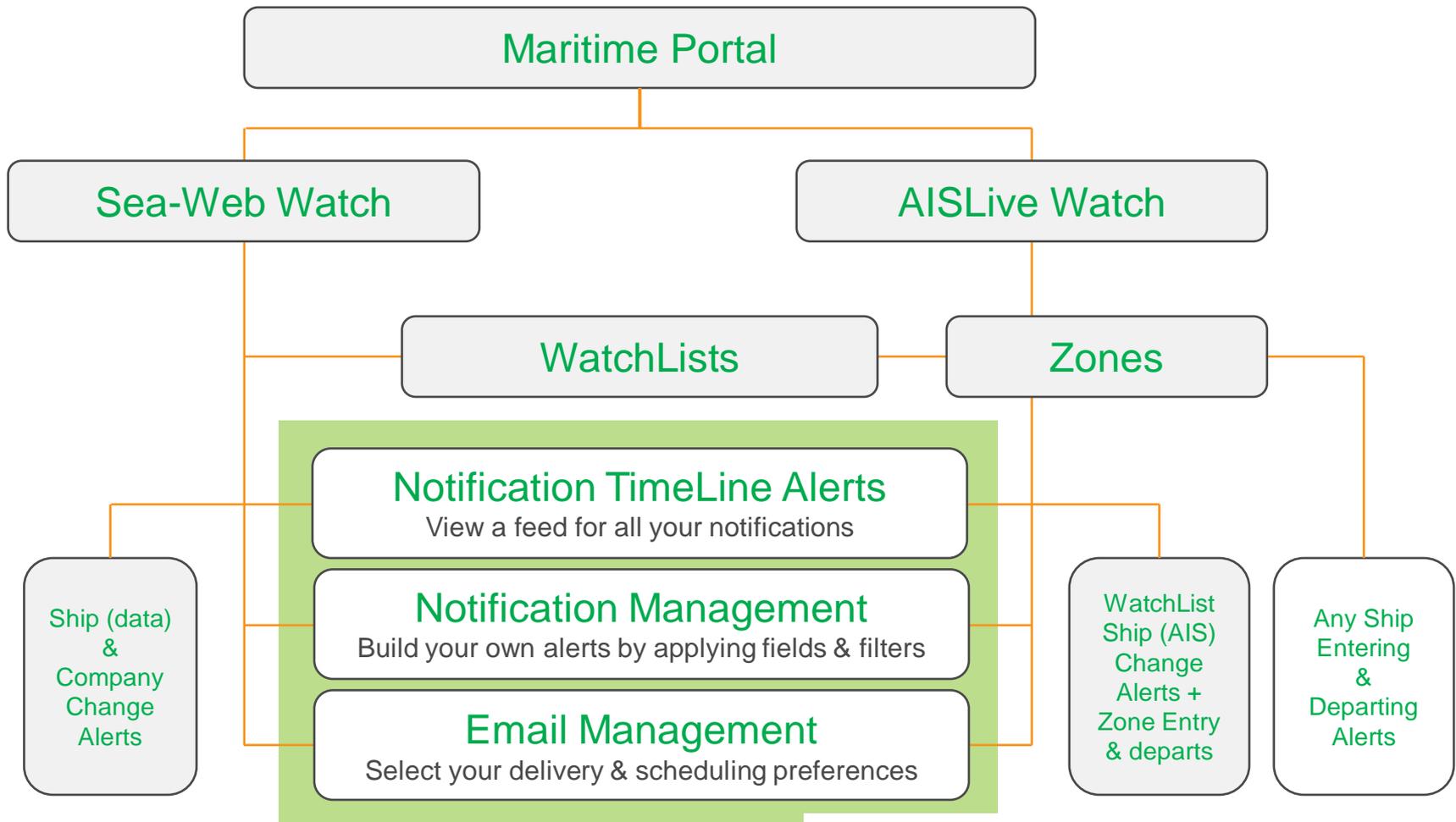
April 2017

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Maritime Portal - Watch System Overview

State-of-the-art maritime monitoring and surveillance system

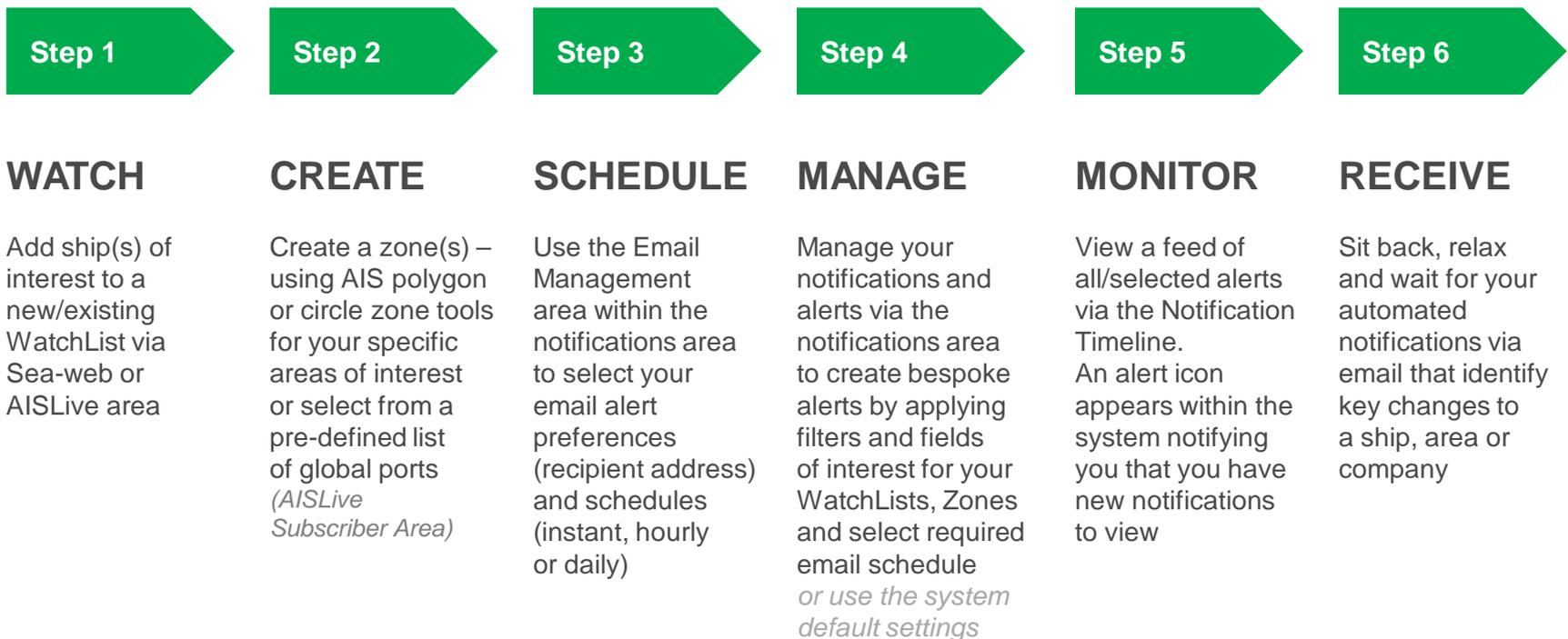


Note: Subscription levels apply

Maritime Portal – Watch System Workflow

Follow the workflow to set up WatchLists and apply filters for alerts & notifications

Automated notifications system – let us do the work for you...



WATCH

Watch ships, areas and companies with comprehensive alerting and notifications capabilities

WatchLists Overview

What you need to know...

AISLive WatchLists

- **IMO upload** - New IMO number upload feature enabling you to quickly upload a list of up to 1,000 ships (IMO numbers) and then add to an existing or create a new WatchList
- **Notification Management** - New management system where you can:-
 - > Add filters & fields of interest to notifications
 - > Create new notifications
 - > Easily add WatchLists to zone alerts
 - > Select entry/departure alerts
 - > **Email Management** - Select email schedules (instant, hourly, daily) New area to set up email address preferences and schedules to align with their personal workflows

Sea-web WatchLists

- All Sea-web Ship subscribers now have access to create Sea-web WatchLists
- Add ships to WatchLists to automatically be notified of ship (data) and ownership changes
- Users can set up an unlimited number of WatchLists, with up to 2,500 ships per list
- Your notifications will display on the Notification Timeline (system default)
- To modify/add new notifications go to the Notification & Alerts Management Area
- To set up email preferences and schedules for your alerts go to the Email Management area
- Users can select alerts and email schedules to align with their personal workflows

WatchLists Overview - Default Settings

Default AISLive Watch Settings

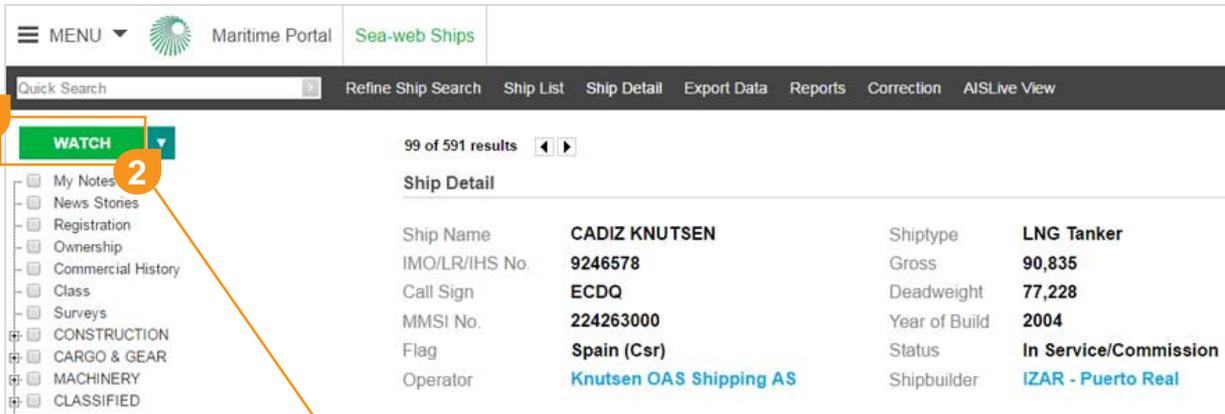
- When you watch a ship from a AIS WatchList the system default settings for alerts & notifications are:
 - > AIS field change triggered alerts to the Notification Timeline
 - > Timeline Notifications for watched ships entering/departing your custom zones set up

Default Sea-web Watch Settings

- When you watch a ship from a Sea-web WatchList the system default settings for alerts & notifications are:
 - Sea-web Ship Watch - Timeline Notifications for changes to all ship data default fields* (not AIS derived – unless Sea-web Movements subscription, who will see destination and port zones if selected)
 - Sea-web Company Watch - Timeline Notifications for changes to all company data default fields*

*Please note data from our internal database is replicated to the Maritime Portal once a day

Sea-web WatchLists – Add a Ship to a WatchList



The screenshot shows the Maritime Portal interface. At the top, there is a 'MENU' dropdown and the 'Sea-web Ships' section. Below this is a search bar and navigation tabs: 'Quick Search', 'Refine Ship Search', 'Ship List', 'Ship Detail', 'Export Data', 'Reports', 'Correction', and 'AISLive View'. A green 'WATCH' button is highlighted with a red circle and the number '1'. Below the button is a list of categories: My Notes, News Stories, Registration, Ownership, Commercial History, Class, Surveys, CONSTRUCTION, CARGO & GEAR, MACHINERY, and CLASSIFIED. A red circle with the number '2' is next to the 'WATCH' button, with a line pointing to a modal window. The 'Ship Detail' section shows information for 'CADIZ KNUTSEN', including IMO/LR/IHS No. 9246578, Call Sign ECDQ, MMSI No. 224263000, Flag Spain (Csr), Operator Knutsen OAS Shipping AS, Shiptype LNG Tanker, Gross 90,835, Deadweight 77,228, Year of Build 2004, Status In Service/Commission, and Shipbuilder IZAR - Puerto Real.

Searching for a ship of interest then from the ship details screen simply...

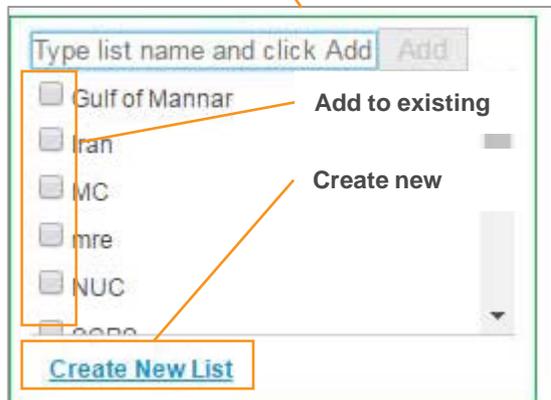
1 Add to your master WatchList
Simply click the **WATCH** button to add the list of ships to your master WatchList (default). Once selected the button will change to “watching”:



2 Or add to a new or existing WatchList - simply click the downward arrow to add the list of ships to an existing WatchList or create a new WatchList

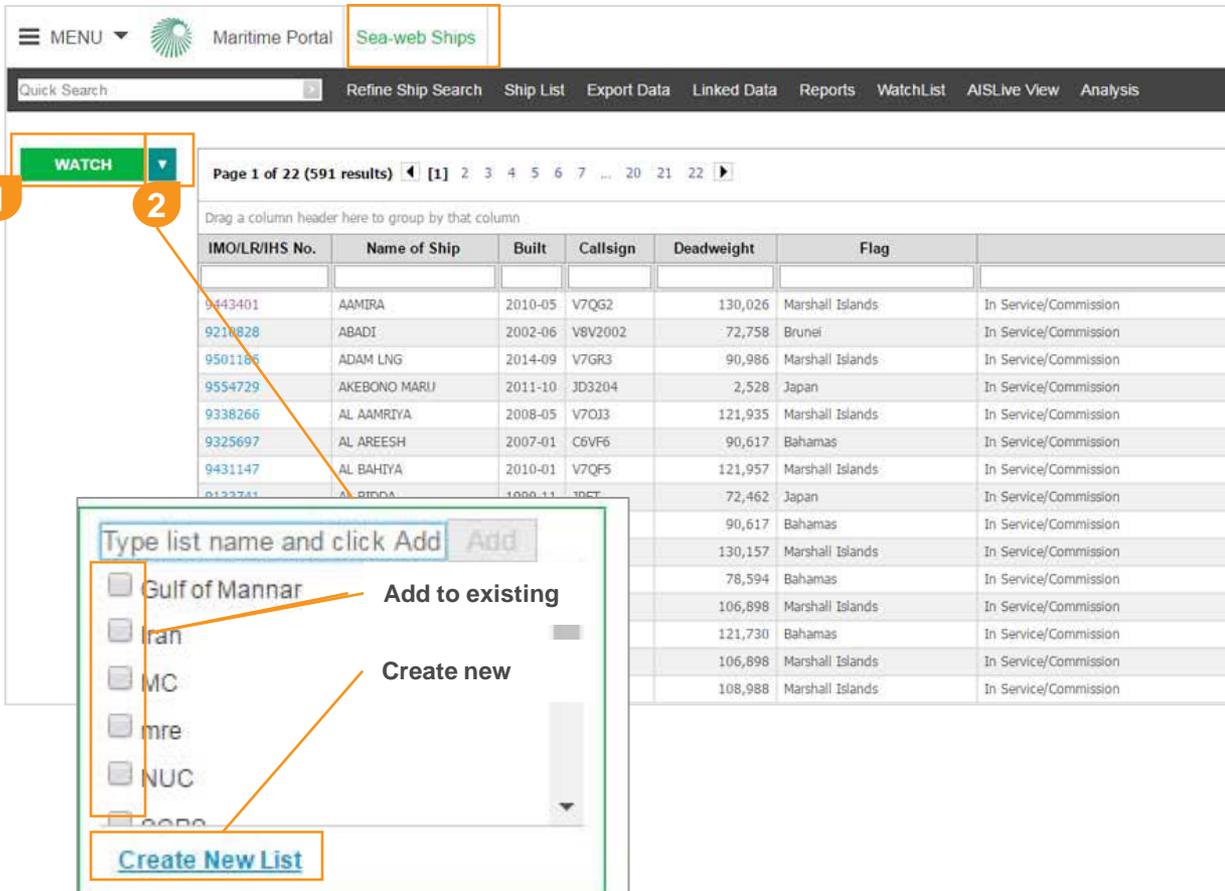
All the ships will now show as “WATCHING” when you drill into the individual ship details

You will now start to receive automatic alerts for this ship for key ship changes on the notification timeline



The modal window shows a search bar with the text 'Type list name and click Add' and an 'Add' button. Below the search bar is a list of categories: Gulf of Mannar, Iran, MC, mre, NUC, and CARR. A red circle with the number '2' is next to the 'WATCH' button in the main screenshot, with a line pointing to this modal window. The modal window has two sections: 'Add to existing' and 'Create new'. A red circle with the number '2' is next to the 'WATCH' button in the main screenshot, with a line pointing to this modal window. At the bottom of the modal window is a button labeled 'Create New List'.

Sea-web WatchLists – Add Multiple Ships to a WatchList



The screenshot shows the 'Sea-web Ships' interface with a table of ship data. A 'WATCH' button is highlighted with a red circle and the number '1'. A second red circle with the number '2' points to a downward arrow on the 'WATCH' button. A callout box shows the 'WATCHING' button and a modal dialog for selecting a watchlist. The dialog has a search bar and a list of watchlists: Gulf of Mannar, Iran, MC, mre, NUC, and others. A 'Create New List' button is also visible.

IMO/LR/IHS No.	Name of Ship	Built	Callsign	Deadweight	Flag	
9443401	AAMIRA	2010-05	V7Q52	130,026	Marshall Islands	In Service/Commission
9217828	ABADI	2002-06	V8V2002	72,758	Brunei	In Service/Commission
9501186	ADAM LNG	2014-09	V7GR3	90,986	Marshall Islands	In Service/Commission
9554729	AKEBONO MARU	2011-10	JD3204	2,528	Japan	In Service/Commission
9338266	AL AAMRIYA	2008-05	V7OJ3	121,935	Marshall Islands	In Service/Commission
9325697	AL AREESH	2007-01	C6V6	90,617	Bahamas	In Service/Commission
9431147	AL BAHYA	2010-01	V7QF5	121,957	Marshall Islands	In Service/Commission
9122741	AL BIDA	1999-11	V7QF5	72,462	Japan	In Service/Commission
				90,617	Bahamas	In Service/Commission
				130,157	Marshall Islands	In Service/Commission
				78,594	Bahamas	In Service/Commission
				106,898	Marshall Islands	In Service/Commission
				121,730	Bahamas	In Service/Commission
				106,898	Marshall Islands	In Service/Commission
				108,988	Marshall Islands	In Service/Commission

After searching for ships of interest, from the ships results grid you can...

1 Add to your master WatchList simply click the **WATCH** button to add the list of ships to your master WatchList (default). Once selected the button will change to "watching":

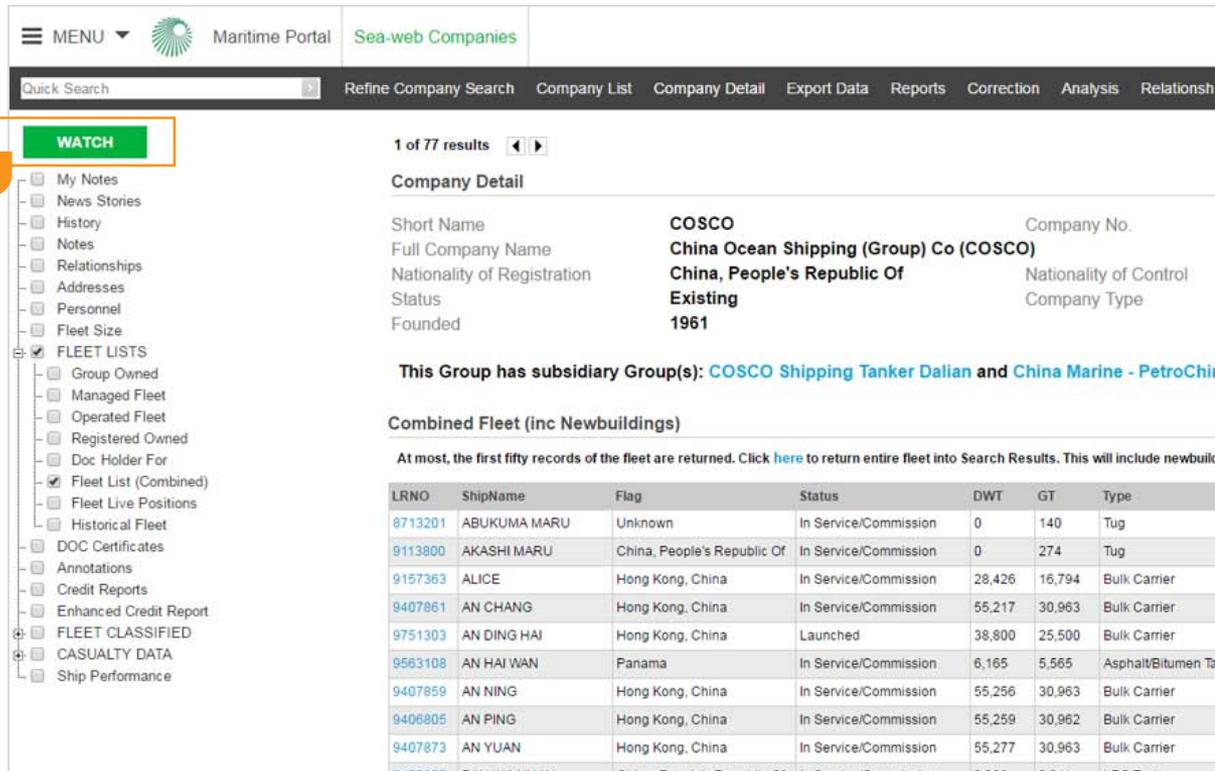


2 Or add to a new or existing WatchList - simply click the downward arrow to add the list of ships to an existing WatchList or create a new WatchList

All the ships will now show as "WATCHING" when you drill into the individual ship details

You will now start to receive automatic alerts for these ships for key ship changes on the notification time line

Sea-web WatchLists – Watch a Company



WATCH

1 of 77 results

Company Detail

Short Name: **COSCO** Company No. _____
 Full Company Name: **China Ocean Shipping (Group) Co (COSCO)**
 Nationality of Registration: **China, People's Republic Of** Nationality of Control: _____
 Status: **Existing** Company Type: _____
 Founded: **1961**

This Group has subsidiary Group(s): [COSCO Shipping Tanker Dalian](#) and [China Marine - PetroChina](#)

Combined Fleet (inc Newbuildings)

At most, the first fifty records of the fleet are returned. Click [here](#) to return entire fleet into Search Results. This will include newbuildings.

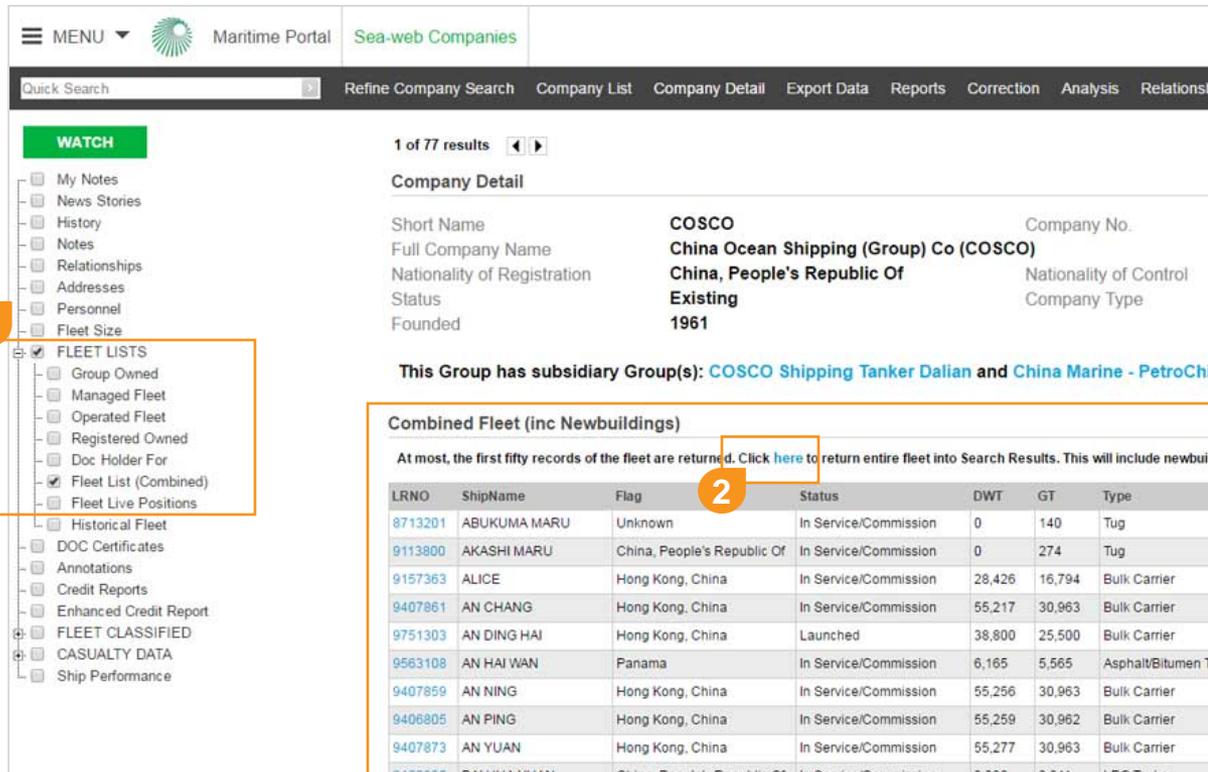
LRNO	ShipName	Flag	Status	DWT	GT	Type	Built	1st Eng. Model	Total No.
8713201	ABUKUMA MARU	Unknown	In Service/Commission	0	140	Tug	1988-01	6PA5	2
9113800	AKASHI MARU	China, People's Republic Of	In Service/Commission	0	274	Tug	1994-09	6L25HX	2
9157363	ALICE	Hong Kong, China	In Service/Commission	28,426	16,794	Bulk Carrier	1997-04	5S50MC	1
9407861	AN CHANG	Hong Kong, China	In Service/Commission	55,217	30,963	Bulk Carrier	2009-04	6S50MC-C	1
9751303	AN DING HAI	Hong Kong, China	Launched	38,800	25,500	Bulk Carrier	2017-02	5RT-flex50D	1
9563108	AN HAI WAN	Panama	In Service/Commission	6,165	5,565	Asphalt/Bitumen Tanker	2009-11	9L26	1
9407859	AN NING	Hong Kong, China	In Service/Commission	55,256	30,963	Bulk Carrier	2009-02	6S50MC-C	1
9406805	AN PING	Hong Kong, China	In Service/Commission	55,259	30,962	Bulk Carrier	2009-02	6S50MC-C	1
9407873	AN YUAN	Hong Kong, China	In Service/Commission	55,277	30,963	Bulk Carrier	2009-04	6S50MC-C	1

After searching for a company of interest, from the company details screen...

1 **Select WATCH** to be notified of key company data changes

You are now set up to receive automatic alerts for this company for key company data changes on the notification timeline

Sea-web WatchLists – Add a Companies Fleet to a WatchList



1 Select **FLEET LISTS** and choose the level of ownership of interest *or* select **Fleet List (Combined)** to see the complete fleet

2 Click **here** to return the entire fleet list into the search results grid. Select the **“WATCH”** button to add the ships to an existing or create a new WatchList

*All the ships will now show as **“WATCHING”** when you drill into the individual ship details*

You will now start to receive automatic alerts for these ships for key ship changes on the notification timeline

LRNO	ShipName	Flag	Status	DWT	GT	Type
8713201	ABUKUMA MARU	Unknown	In Service/Commission	0	140	Tug
9113800	AKASHI MARU	China, People's Republic Of	In Service/Commission	0	274	Tug
9157363	ALICE	Hong Kong, China	In Service/Commission	28,426	16,794	Bulk Carrier
9407861	AN CHANG	Hong Kong, China	In Service/Commission	55,217	30,963	Bulk Carrier
9751303	AN DING HAI	Hong Kong, China	Launched	38,800	25,500	Bulk Carrier
9563108	AN HAI WAN	Panama	In Service/Commission	6,165	5,565	Asphalt/Bitumen Tanker
9407859	AN NING	Hong Kong, China	In Service/Commission	55,256	30,963	Bulk Carrier
9406805	AN PING	Hong Kong, China	In Service/Commission	55,259	30,962	Bulk Carrier
9407873	AN YUAN	Hong Kong, China	In Service/Commission	55,277	30,963	Bulk Carrier

After searching for a company of interest, from the company details screen...

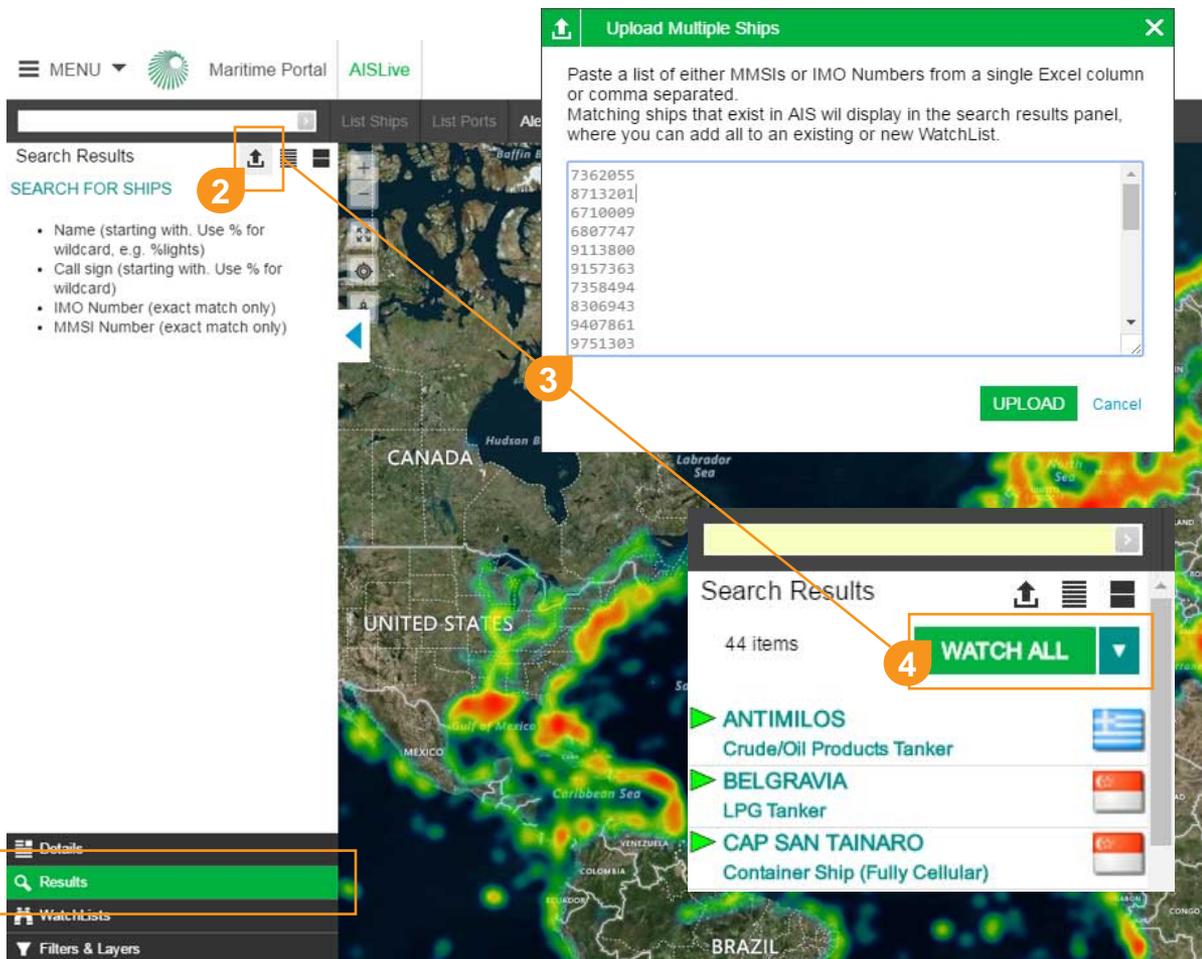
1 Select **FLEET LISTS** and choose the level of ownership of interest *or* select **Fleet List (Combined)** to see the complete fleet

2 Click **here** to return the entire fleet list into the search results grid. Select the **“WATCH”** button to add the ships to an existing or create a new WatchList

*All the ships will now show as **“WATCHING”** when you drill into the individual ship details*

You will now start to receive automatic alerts for these ships for key ship changes on the notification timeline

AISLive WatchLists – Add Multiple Ships to a WatchList



1 Select Results tab within the AISLive map area

2 Select the **UPLOAD** icon

3 **Upload** - copy and paste a list of either MMSI or IMO numbers from a single excel column or comma separated and click **UPLOAD** to return matching ships that exist in AIS in search results panel

4 **Watch all** - simply click the **WATCH ALL** button to add to your master list or use the drop down to add to an existing or create a new list

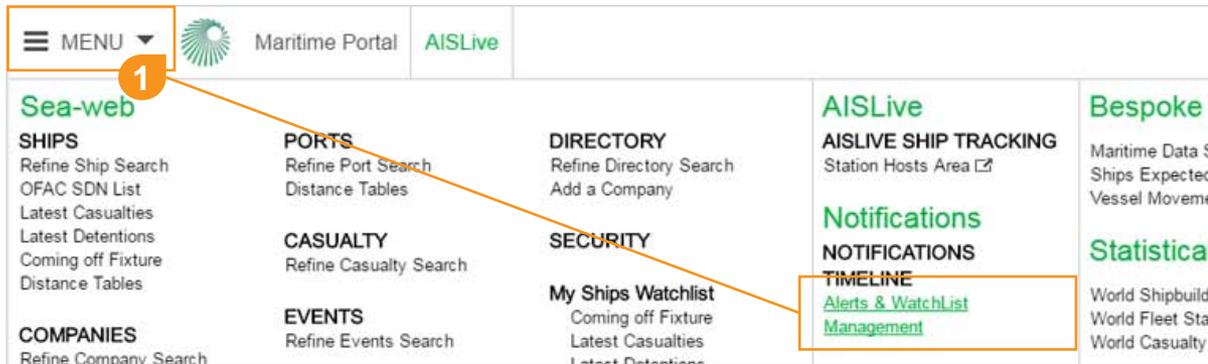
You will now start to receive automatic alerts for these ships for key ship changes on the notification timeline

Use the new bulk upload feature to quickly load a multiple list of ships...

- 1** Select Results tab within the AISLive map area
- 2** Select the **UPLOAD** icon
- 3** **Upload** - copy and paste a list of either MMSI or IMO numbers from a single excel column or comma separated and click **UPLOAD** to return matching ships that exist in AIS in search results panel
- 4** **Watch all** - simply click the **WATCH ALL** button to add to your master list or use the drop down to add to an existing or create a new list

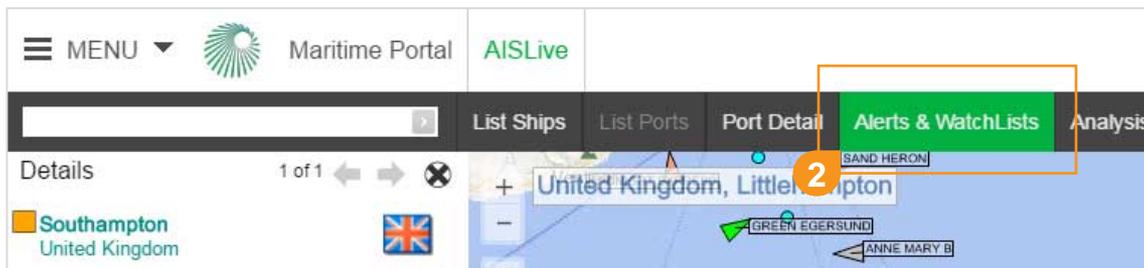
You will now start to receive automatic alerts for these ships for key ship changes on the notification timeline

WatchLists – View/Manage All Watched Ships *(slide 1 of 2)*



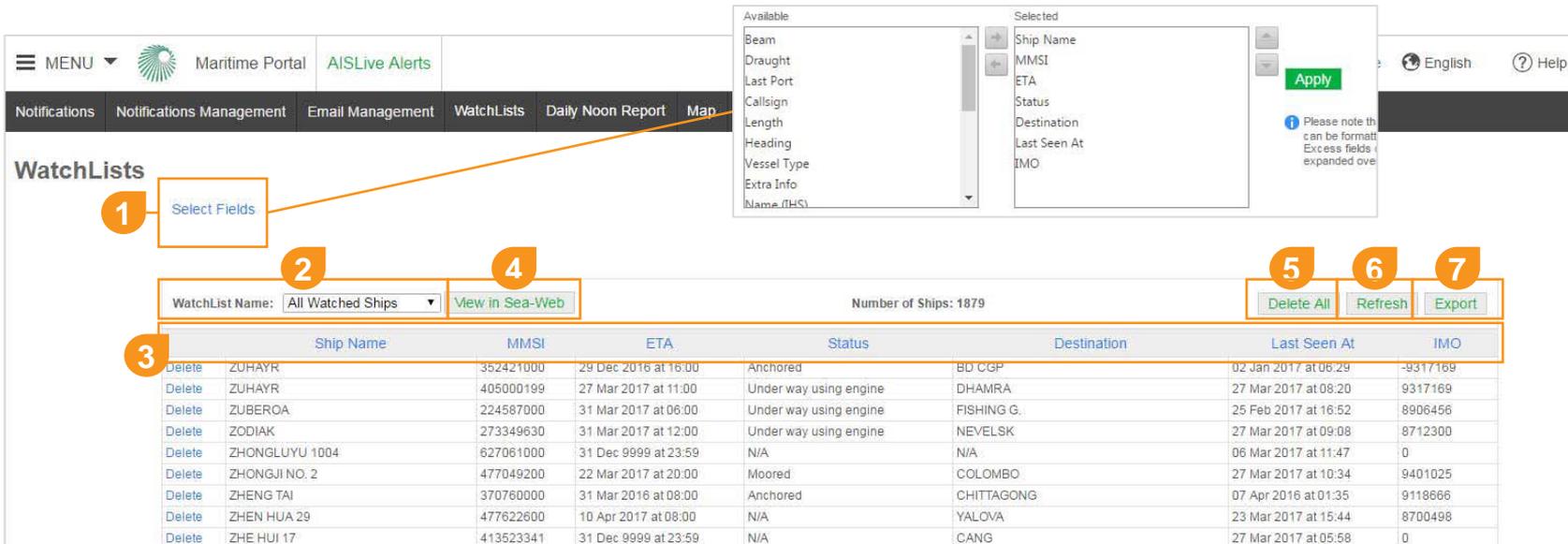
You can access and manage all ships in your WatchLists from either:

- 1 **Mega Menu** – Under Notifications select “Alerts & WatchList Management” *(Sea-web & AISLive users)*
- 2 **AIS Map** – Alerts & WatchLists menu link *(AISLive users)*



This will take you to the WatchLists area within the Notifications Centre - See next slide...

WatchLists – View/Manage All Watched Ships *(slide 2 of 2)*



The screenshot shows the 'WatchLists' section of the IHS Markit Maritime Portal. At the top, there is a navigation menu with 'WatchLists' selected. Below the menu, a 'Select Fields' dialog box is open, showing a list of available fields (Beam, Draught, Last Port, Callsign, Length, Heading, Vessel Type, Extra Info, Name (IHS)) and a list of selected fields (Ship Name, MMSI, ETA, Status, Destination, Last Seen At, IMO). The main area displays a table of ships with columns for Ship Name, MMSI, ETA, Status, Destination, Last Seen At, and IMO. The table is filtered by 'All Watched Ships' and shows 1879 ships. Management buttons for 'Delete All', 'Refresh', and 'Export' are visible. Numbered callouts (1-7) highlight key features: 1. Select Fields dialog, 2. WatchList Name dropdown, 3. Sortable column headers, 4. View in Sea-Web button, 5. Delete All button, 6. Refresh button, 7. Export button.

	Ship Name	MMSI	ETA	Status	Destination	Last Seen At	IMO
Delete	ZUHAYR	352421000	29 Dec 2016 at 16:00	Anchored	BD CGP	02 Jan 2017 at 06:29	9317169
Delete	ZUHAYR	405000199	27 Mar 2017 at 11:00	Under way using engine	DHAMRA	27 Mar 2017 at 08:20	9317169
Delete	ZUBEROA	224587000	31 Mar 2017 at 06:00	Under way using engine	FISHING G.	25 Feb 2017 at 16:52	8906456
Delete	ZODIAK	273349630	31 Mar 2017 at 12:00	Under way using engine	NEVELSK	27 Mar 2017 at 09:08	8712300
Delete	ZHONGLUYU 1004	627061000	31 Dec 9999 at 23:59	N/A	N/A	06 Mar 2017 at 11:47	0
Delete	ZHONGJI NO. 2	477049200	22 Mar 2017 at 20:00	Moored	COLOMBO	27 Mar 2017 at 10:34	9401025
Delete	ZHENG TAI	370760000	31 Mar 2016 at 08:00	Anchored	CHITTAGONG	07 Apr 2016 at 01:35	9118666
Delete	ZHEN HUA 29	477622600	10 Apr 2017 at 08:00	N/A	YALOVA	23 Mar 2017 at 15:44	8700498
Delete	ZHE HUI 17	413523341	31 Dec 9999 at 23:59	N/A	CANG	27 Mar 2017 at 05:58	0

From the WatchLists area you can:

- 1 **Select Fields to display** in your WatchList grid view (max 12 fields)
- 2 **Filter** by WatchList name
- 3 **Sort** the data by field name
- 4 **View in Sea-web** ships in list
- 5 **Delete All** ships in selected list, or **Delete** individual ships
- 6 **Refresh** WatchList data in real-time
- 7 **Export** data for fields and WatchList selected to Excel for further analysis

CREATE - AISLive Zones

Detailing updates to AIS zones including polygonal zone creation with additional alerting and filtering capabilities

AISLive Zones - Default Settings

Default AISLive Zone Settings

- When you create a new zone (polygonal or circular) within the map area you will automatically be set up to receive:
 - > Timeline Notifications only for (all) ships in your WatchLists entering and exiting the zone

To Modify/Remove

- Go to the Notifications Management should you wish to modify these settings, add email alerts or create new notifications where you can select fields and apply filters

AISLive Zones - Overview

CUSTOM ZONE AREAS:

- **Polygon Creation**
All AISLive users can now create custom zones by drawing **polygonal** or **circular** areas.
- **Unlimited Zones**
All AISLive users can now set up an unlimited number of custom zones
- **Map Labels**
The name of each zone is now clearly labelled on the map

CUSTOM ZONE ALERTING:

- **TimeLine Zone Notifications**
By default your Timeline will automatically alert you of ships in your WatchList entering and departing a new custom zone(s) you have created
- **Ships Entering/Departing Custom Zones**
WatchLists:
By default you will start to see alerts are automatically triggered for all ships in your WatchLists entering and departing a zone
Any Ship:
Alerts (Timeline & Email) can be added Zone alerts can be for WatchLists ships or **ANY** ship entering/departing
- **Email Alerts**
To receive zone alerts via email, please go to the Email Management center to set up the email schedule and then the Notification Management

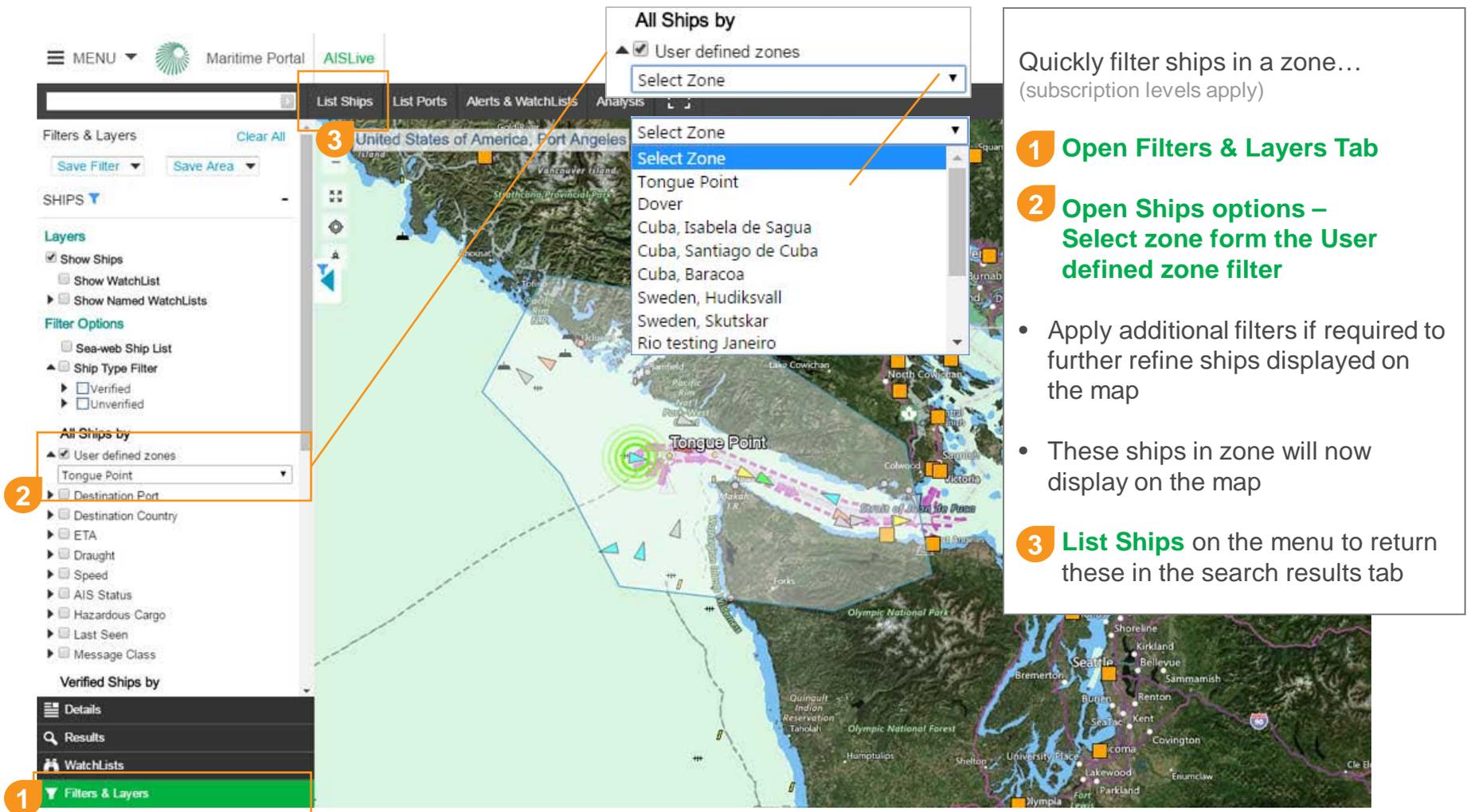
AISLive Zones – Setting up Polygonal Zones

The screenshot shows the AISLive interface with the 'Zones' tab selected. The 'Zones' list on the left contains several entries, including 'AISZone New Zone' and various international zones. The main map displays a coastal area with various AIS symbols. A dialog box titled 'United Kingdom, Dover' is open, providing instructions for creating a polygonal zone. An inset map labeled 'Example' shows a completed polygonal zone around a port area. Numbered callouts (1-4) point to specific UI elements: 1. 'Zones' tab in the bottom left; 2. 'Add New Zone' button in the top left; 3. 'Add Polygon Zone' button in the top center; 4. 'Click here to start drawing' link in the dialog box.

Navigate to a port/area of interest on the map and then...

- 1 **Select Zones tab**
- 2 **Click Add New Zone**
- 3 **Select Add Polygon Zone –**
A new zone with instructions will display in the zones tab
- 4 **Re-name zone if required -**
Click here to start drawing -
*You can insert polygon points by clicking on the map. Double click when inserting last point to finish editing. Last point will be automatically connected with first point. After finishing, click **APPLY** to save.*

AISLive Zones – Ships in Zones Filter



The screenshot shows the AISLive interface with the 'Filters & Layers' tab selected. The 'Ships in Zones' filter is active, and a dropdown menu is open showing a list of zones. The map displays a highlighted zone around Tongue Point. The interface includes a 'List Ships' button, a 'Filters & Layers' sidebar, and a 'Ships in Zones' filter dropdown.

1 Open Filters & Layers Tab

2 Open Ships options – Select zone form the User defined zone filter

3 List Ships on the menu to return these in the search results tab

Quickly filter ships in a zone... (subscription levels apply)

- Apply additional filters if required to further refine ships displayed on the map
- These ships in zone will now display on the map

SCHEDULE - Email Management Area

Manage your email schedules and address preferences for all your email alerts

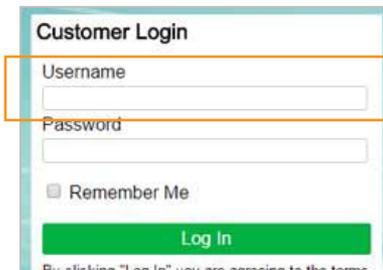
Email Management Overview

Easily configure your AISLive & Sea-web email alert preferences:

- **Use the new Email Management system to...**
 - > Manage the frequency that email alerts are received (instant, daily or user selected hourly ranges)
 - > Add “do not disturb” option to not receive emails between selected hours
(Please note system default is UK time zone)
 - > Add/edit email addresses that receive alerts (individual or multiple)
 - > Set up different schedules for different ship/zone alerts providing improved workflows for your team members specific job roles

System Default Settings:

- The system defaults to the email address used for the Maritime Portal login username



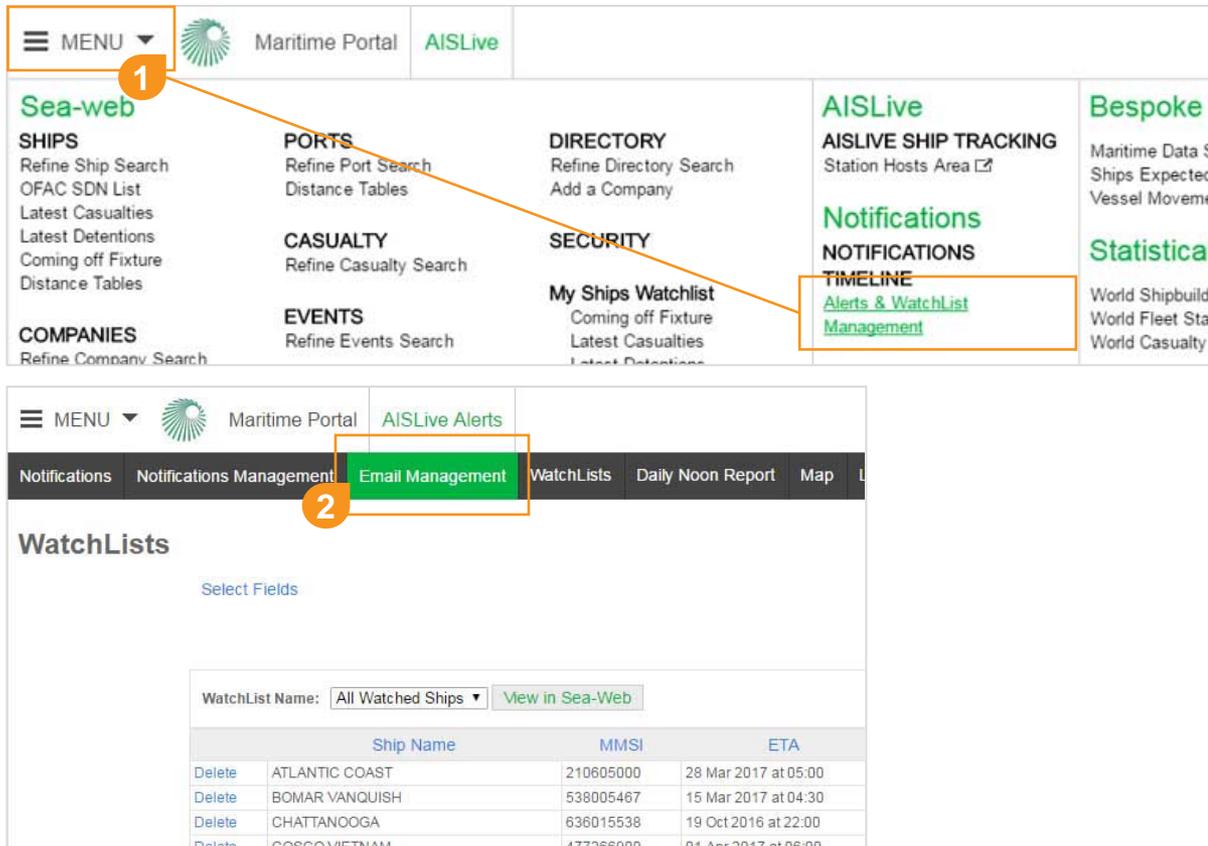
The screenshot shows a 'Customer Login' form with the following elements:

- Username:** A text input field, highlighted with an orange box.
- Password:** A text input field.
- Remember Me:** A checkbox.
- Log In:** A green button.

Below the form, there is a small line of text: "By clicking 'Log In' you are agreeing to the terms..."

- **Instant** alerts are sent on individual ships
- **Hourly** and **Daily** alerts are aggregated to show up to 25 alerts per WatchList

Email Management Area - Assessing



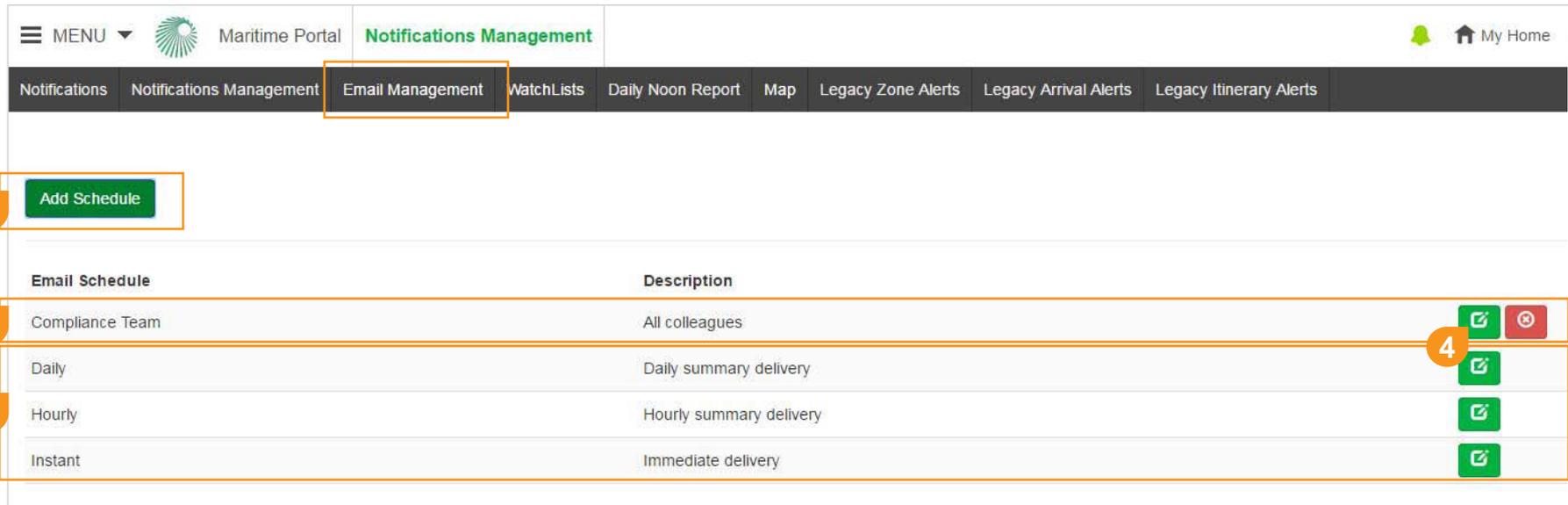
The screenshot shows the Maritime Portal interface. In the top left, there is a 'MENU' icon. Below it, the 'AISLive Alerts' navigation bar contains several options: 'Notifications', 'Notifications Management', 'Email Management', 'WatchLists', 'Daily Noon Report', and 'Map'. The 'Email Management' option is highlighted with a red box. Below the navigation bar, the 'WatchLists' section is visible, featuring a 'Select Fields' link and a table of ship watchlists.

	Ship Name	MMSI	ETA
Delete	ATLANTIC COAST	210605000	28 Mar 2017 at 05:00
Delete	BOMAR VANQUISH	538005467	15 Mar 2017 at 04:30
Delete	CHATTANOOGA	636015538	19 Oct 2016 at 22:00
Delete	COSCO VIETNAM	477266900	01 Apr 2017 at 06:00

Easily access and manage your email address preferences and schedules for your alerts & notifications:

- 1 **Mega Menu** – Under Notifications select “Alerts & WatchList Management”
(Sea-web & AISLive users)
- 2 **Select the Email Management Menu link** - The Email Management area will then display

Email Scheduling Preferences



MENU  Maritime Portal **Notifications Management**   My Home

Notifications Notifications Management **Email Management** WatchLists Daily Noon Report Map Legacy Zone Alerts Legacy Arrival Alerts Legacy Itinerary Alerts

2 Add Schedule

Email Schedule	Description	
3 Compliance Team	All colleagues	4  
Daily	Daily summary delivery	
1 Hourly	Hourly summary delivery	
Instant	Immediate delivery	

Email management area:

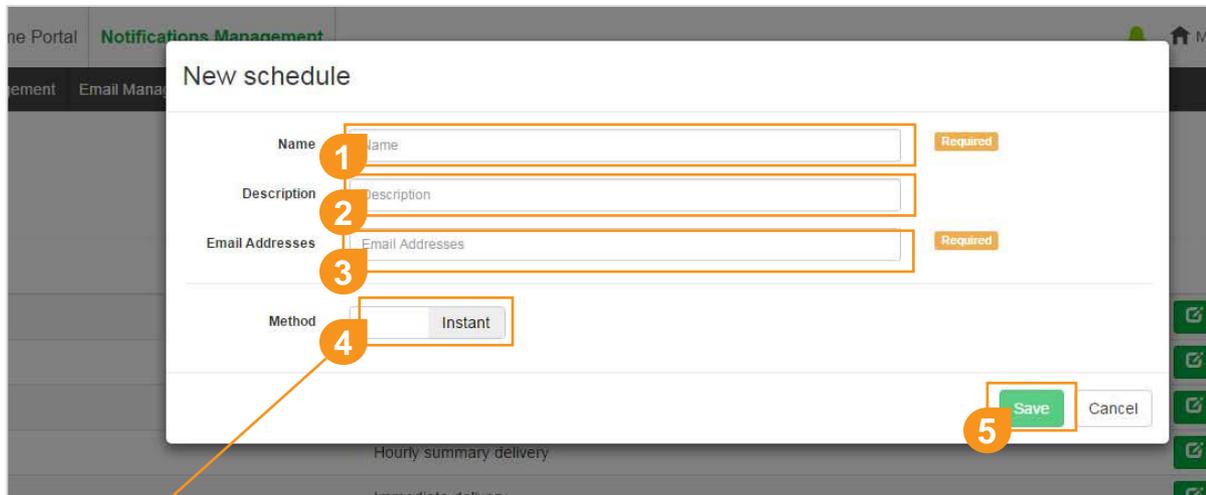
1 System default email schedules: **Daily / Hourly / Instant** – uses login username email address (edit to amend/add)

2 Example User defined schedule added – options to edit and delete

3 Add Schedule – select to create a new schedule

4 Edit / Delete options   select to amend/add email addresses, method & frequency   select to delete

Add Schedule / Edit Schedule to Meet your Workflow Needs



New schedule

1 Name Required

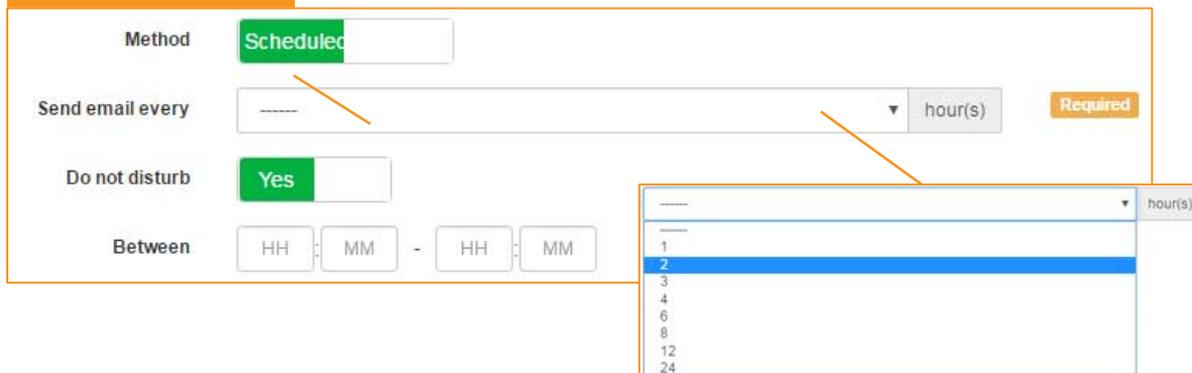
2 Description

3 Email Addresses Required

4 Method Instant

5

Scheduled options



Method

Send email every hour(s) Required

Do not disturb

Between -

----- hour(s)

- 1
- 2
- 3
- 4
- 6
- 8
- 12
- 24

EDIT Schedule:

Click on an edit icon to edit/amend an existing :  The edit schedule screen will display for you to update required fields.

Add New Schedule:

Click **Add Schedule** button. The new schedule screen will display for you to add your schedule information

1 Name new schedule

2 Add a description

3 Add email addresses, to add multiple emails use the comma or semicolon (no spaces) between addresses

4 Add method – toggle control to display **scheduled** or **instant** option

- *Send email every*, select option
- *Do not disturb* - toggle to Yes to choose between hours (UK time zone)

5 Save new schedule

MANAGE - Notifications Management

System overview including modifying notifications and how to create bespoke notifications and apply extensive filtering options

Notifications Management System Overview

Enabling customers to modify and build tailored alerts to better align with daily workflows

- **Use the new Notification Management system to...**
 - > Modify existing notifications
 - > Create new notifications
 - > Associate specific WatchLists, zones and ports to refine your notification alerts
 - > Select schedule for notifications
 - > Select notify on entry/exit option
 - > Select/remove data field changes to be notified on
 - > Add specific filters for your notifications
 - > Create unlimited number of notifications
 - > Automatically monitor ships, companies, ports and custom zones

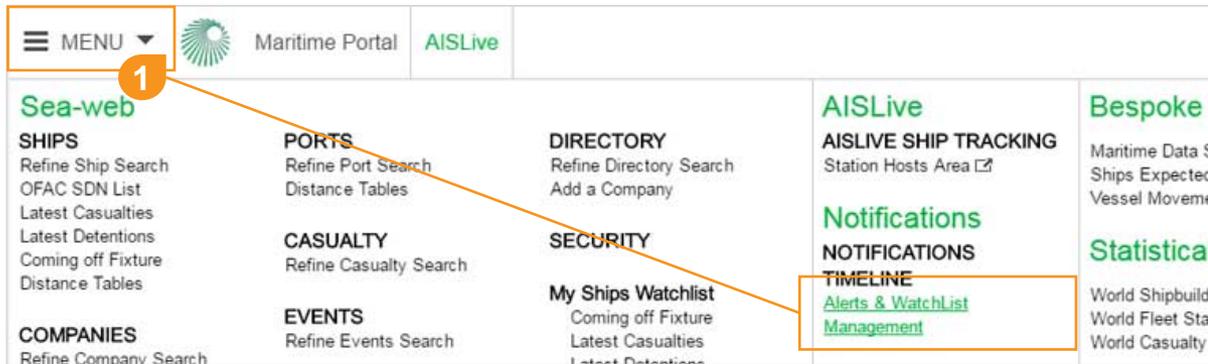
Default Settings

System Default Settings:

- For **WatchLists** set up the default is to be alerted on all data field changes* on the timeline only, add a schedule to the notification list in the management area to receive emails
- For **Custom zones** set up the default is to be alerted on ships in (all) WatchLists entering & exiting, to modify notification list go to the management area

*subscription levels apply - please refer to the Notifications Matrix for entitlement information

Notifications Management - Assessing



MENU Maritime Portal AISLive

Sea-web

SHIPS
 Refine Ship Search
 OFAC SDN List
 Latest Casualties
 Latest Detentions
 Coming off Fixture
 Distance Tables

PORTS
 Refine Port Search
 Distance Tables

CASUALTY
 Refine Casualty Search

EVENTS
 Refine Events Search

COMPANIES
 Refine Company Search

DIRECTORY
 Refine Directory Search
 Add a Company

SECURITY

My Ships Watchlist
 Coming off Fixture
 Latest Casualties
 Latest Detentions

AISLive
 AISLIVE SHIP TRACKING
 Station Hosts Area

Notifications
NOTIFICATIONS
TIMELINE
[Alerts & WatchList Management](#)
[Management](#)

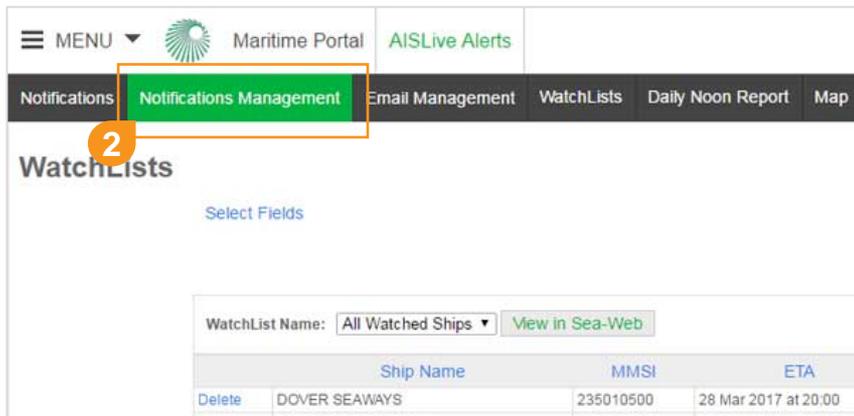
Bespoke S
 Maritime Data Se
 Ships Expected f
 Vessel Movemen

Statistical
 World Shipbuildin
 World Fleet Stati
 World Casualty S

Easily access and manage your alerts & notifications:

1 **Mega Menu** – Under Notifications select “Alerts & WatchList Management” (*Sea-web & AISLive users*)

2 **Select the Notifications Management Menu link** – The Notifications Management area will then display



MENU Maritime Portal AISLive Alerts

Notifications **Notifications Management** Email Management WatchLists Daily Noon Report Map

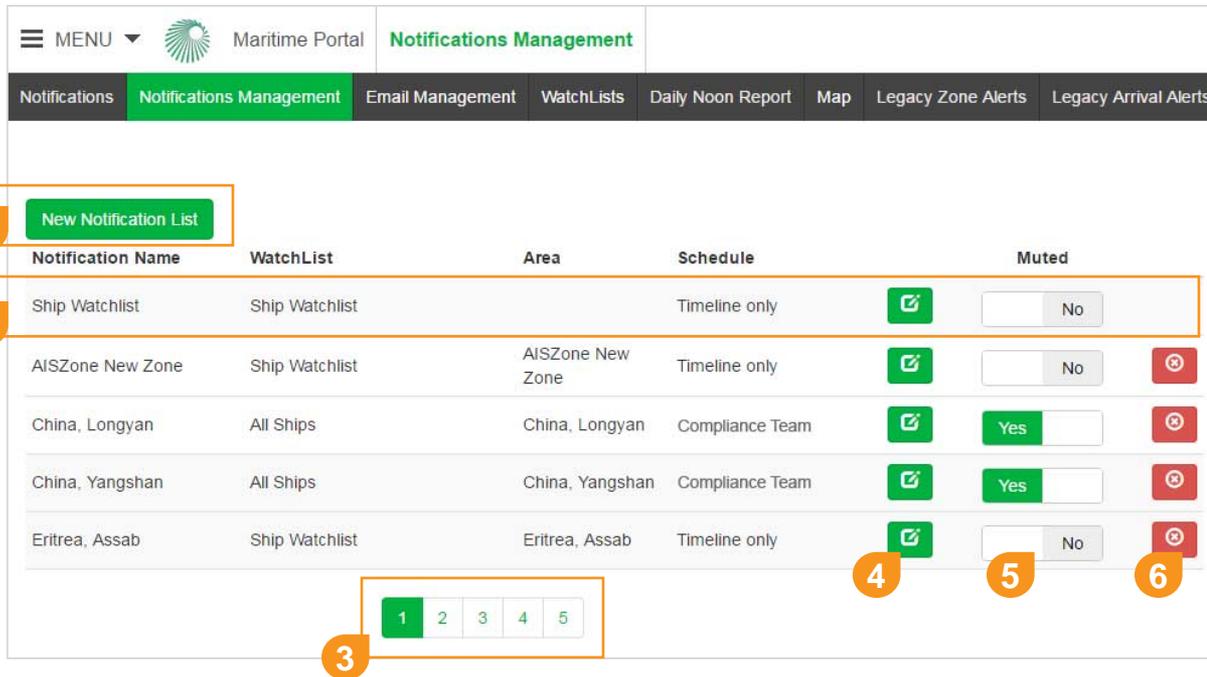
WatchLists

[Select Fields](#)

WatchList Name: **All Watched Ships** [View in Sea-Web](#)

	Ship Name	MMSI	ETA
Delete	DOVER SEAWAYS	235010500	28 Mar 2017 at 20:00

Notifications Management Screen



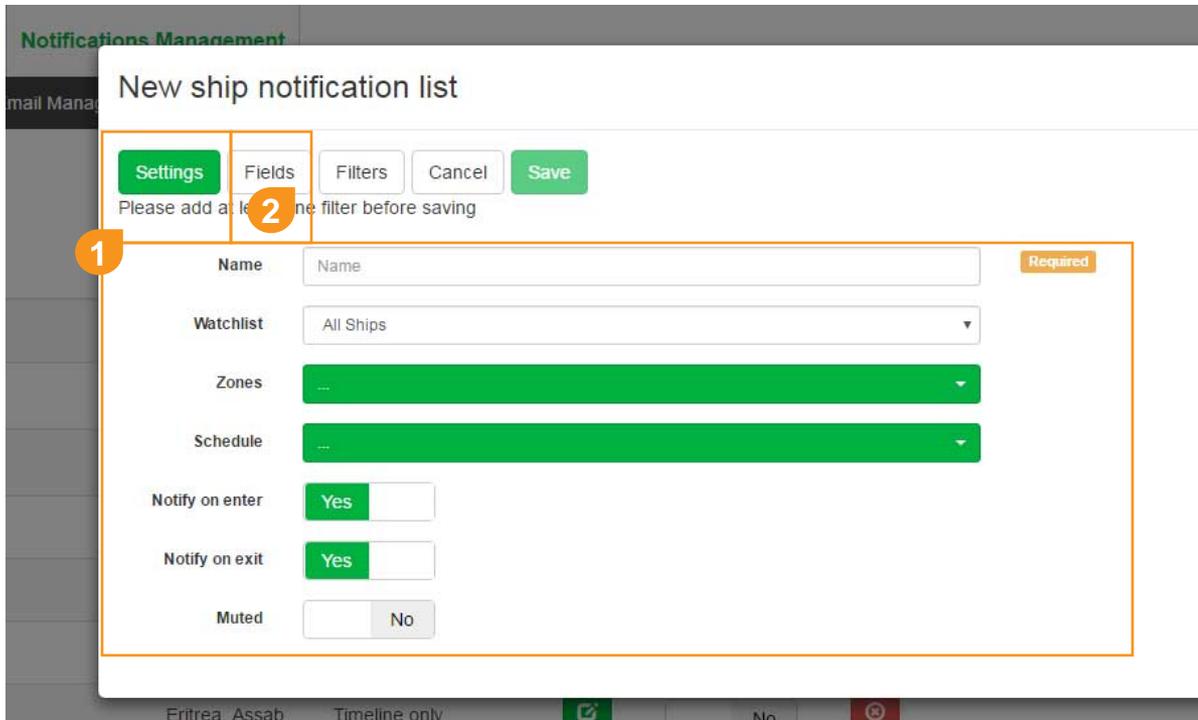
The screenshot shows the 'Notifications Management' screen in the Maritime Portal. The interface includes a top navigation bar with 'MENU', 'Maritime Portal', and 'Notifications Management'. Below this is a secondary navigation bar with tabs for 'Notifications', 'Notifications Management', 'Email Management', 'WatchLists', 'Daily Noon Report', 'Map', 'Legacy Zone Alerts', and 'Legacy Arrival Alerts'. The main content area displays a table of notification lists with columns for 'Notification Name', 'WatchList', 'Area', 'Schedule', and 'Muted'. A 'New Notification List' button is located at the top left. A pagination control at the bottom shows page 1 selected out of 5 pages. Numbered callouts (1-6) point to the 'New Notification List' button, the first table row, the pagination control, the edit icon, the muted toggle, and the delete icon respectively.

Notification Name	WatchList	Area	Schedule	Muted
Ship Watchlist	Ship Watchlist		Timeline only	<input type="checkbox"/> No
AISZone New Zone	Ship Watchlist	AISZone New Zone	Timeline only	<input type="checkbox"/> No
China, Longyan	All Ships	China, Longyan	Compliance Team	<input checked="" type="checkbox"/> Yes
China, Yangshan	All Ships	China, Yangshan	Compliance Team	<input checked="" type="checkbox"/> Yes
Eritrea, Assab	Ship Watchlist	Eritrea, Assab	Timeline only	<input type="checkbox"/> No

Easily modify, manage and create alerts & notifications from the notifications management screen:

- 1 Add New Notification**
Select to create new notification list and add selections
- 2 System Default Notification List**
- Master WatchList (includes all watched ships), default schedule timeline only alerts
- 3 Page through** your notifications
- 4 Edit notifications** – click to amend fields, filters and scheduling
- 5 Mute notifications**
Turn off without deleting
- 6 Delete Notification**

Creating New Notifications *(slide 1 of 3)*



Notifications Management

mail Mana

New ship notification list

Settings Fields Filters Cancel Save

Please add at least one filter before saving

1

Name Required

Watchlist

Zones

Schedule

Notify on enter

Notify on exit

Muted No

Eritrea, Assab Timeline only No

Select **New Notification List** button to open the display panel

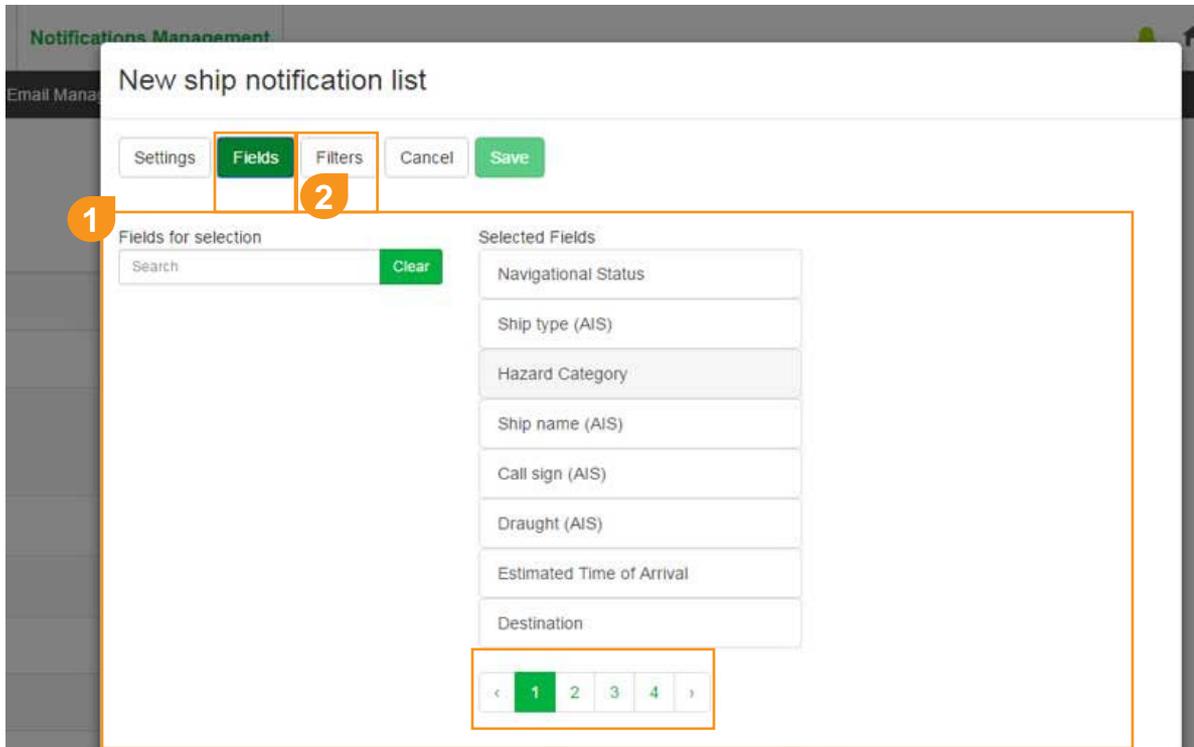
1 Settings Tab

1. Name your new list
2. WatchLists - select Ship WatchList (master) or any specific WatchLists you have set up
3. Zones – add custom zones or select pre-defined port zones (*AISLive users only*)
4. Schedule – select schedule
5. Select notify on zone/port entry
6. Select notify on zone/port exit
7. Option to Mute notification options

2 Fields Tab –

Click tab to select data alert fields, *see next slide...*

Creating New Notifications *(slide 2 of 3)*



The screenshot shows a web interface for creating a new ship notification list. The title is "New ship notification list". There are four tabs: "Settings", "Fields", "Filters", and "Cancel". The "Fields" tab is active and highlighted in green. Below the tabs, there are two main sections: "Fields for selection" and "Selected Fields".

The "Fields for selection" section contains a search input field with a "Clear" button. The "Selected Fields" section contains a list of fields that have been selected for the notification:

- Navigational Status
- Ship type (AIS)
- Hazard Category
- Ship name (AIS)
- Call sign (AIS)
- Draught (AIS)
- Estimated Time of Arrival
- Destination

At the bottom of the "Fields for selection" section, there is a pagination control showing page 1 of 4.

Select your data fields to be alerted on change

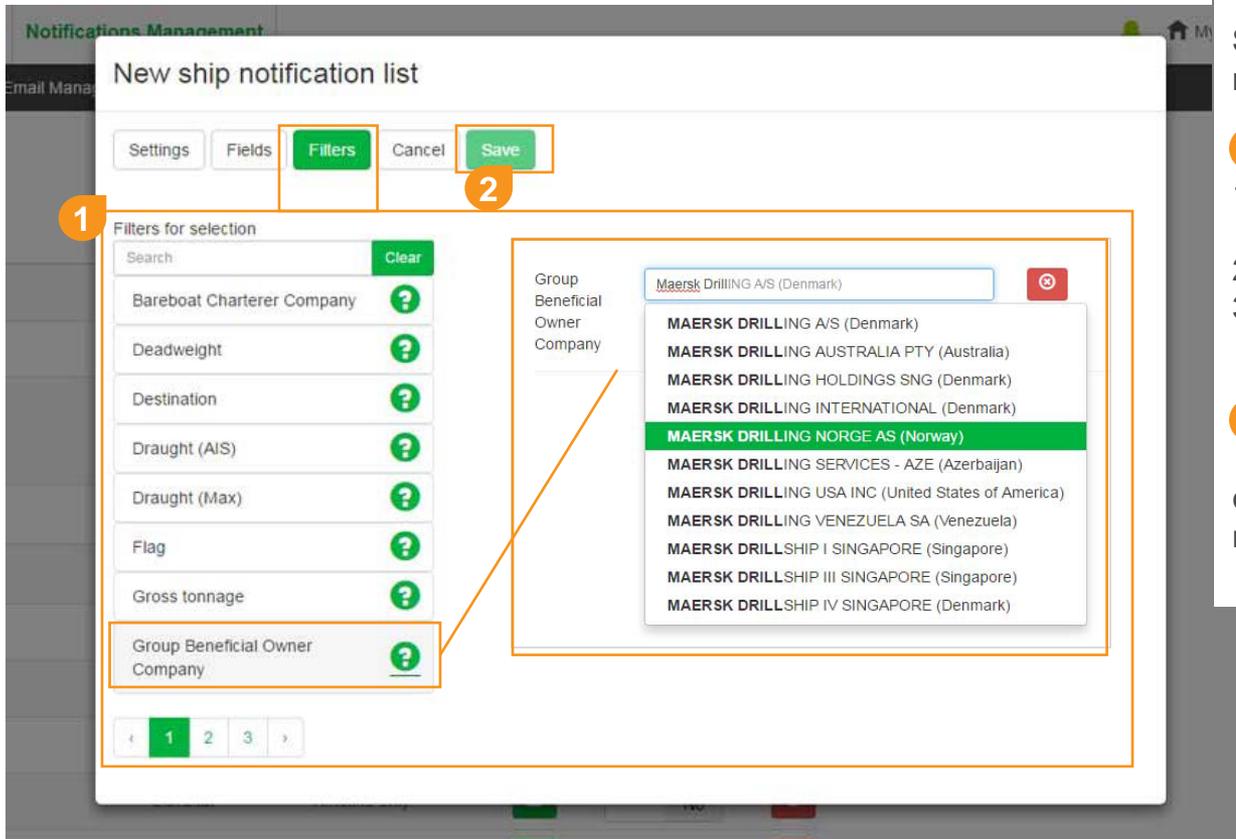
1 Fields Tab

1. Selected Fields are displayed under the "Selected Fields" column
2. To de-select simply click on a field this remove to column "Fields for selection"
3. The selection of fields available will vary depending on Sea-web/AISLive subscription
4. Page through to view available fields

2 Filters Tab –

Next click Fields to select data alert fields, *see next slide...*

Creating New Notifications *(slide 3 of 3)*



The screenshot shows the 'New ship notification list' interface. At the top, there are buttons for 'Settings', 'Fields', 'Filters' (highlighted with a red box and a '1'), 'Cancel', and 'Save' (highlighted with a red box and a '2'). Below these is a 'Filters for selection' section with a search bar and a 'Clear' button. A list of filter categories is shown on the left, with 'Group Beneficial Owner Company' highlighted with a red box. To the right, a search dropdown is open, showing a search for 'Maersk Drilling A/S (Denmark)' and a list of results. The result 'MAERSK DRILLING NORGE AS (Norway)' is highlighted with a red background. At the bottom left, there are navigation buttons for '1', '2', and '3'.

Select your filters to add to your new notification list

1 Filters Tab

1. Click on a filter required (15 available)
2. Add information / set criteria
3. Add additional filters in the same way or remove as required

2 Save

Finally click Save button to complete and save your new notification

MONITOR - Notifications TimeLine

TimeLine overview and features

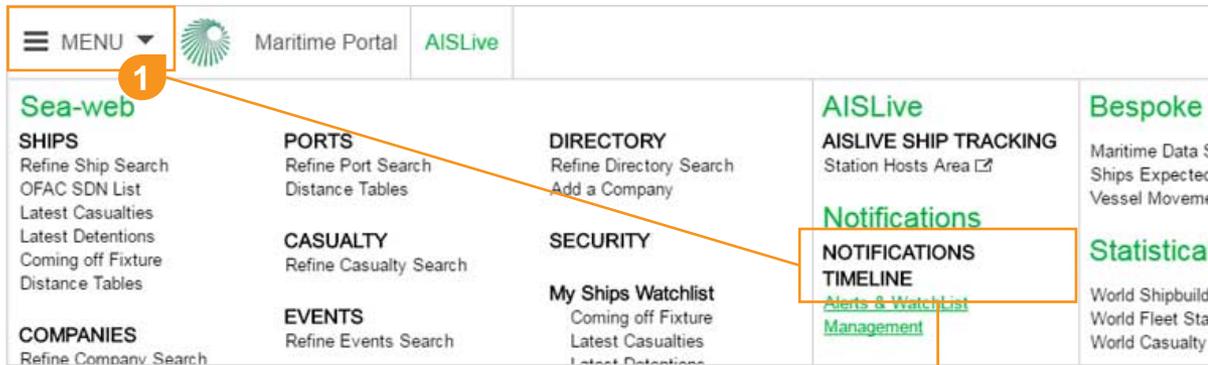
Timeline Overview

Quickly access and filter a feed of all your system notifications

- The Notification Timeline is a “Twitter” style message feed
- The capability enables you to quickly see real time notifications for key changes to ships.
- The Timeline displays notifications detailing ship changes for ALL ships in your WatchLists.
- When you start to watch a ship(s) you will automatically receive system alerts for ALL the ship related change alerts on the Notification Timeline
- Changes to notifications can be made in the Notification Management area
- When you have new notifications you will see an **alert icon** appear in the top menu bar, **click** the icon to go to your Timeline



Accessing Your Sea-web/AIS Timeline



MENU Maritime Portal AISLive

Sea-web
SHIPS
 Refine Ship Search
 OFAC SDN List
 Latest Casualties
 Latest Detentions
 Coming off Fixture
 Distance Tables
COMPANIES
 Refine Company Search

PORTS
 Refine Port Search
 Distance Tables
CASUALTY
 Refine Casualty Search
EVENTS
 Refine Events Search

DIRECTORY
 Refine Directory Search
 Add a Company
SECURITY
My Ships Watchlist
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 Latest Casualties
 Latest Detentions

AISLive
AISLIVE SHIP TRACKING
 Station Hosts Area

Notifications
NOTIFICATIONS TIMELINE
[Alerts & WatchList Management](#)

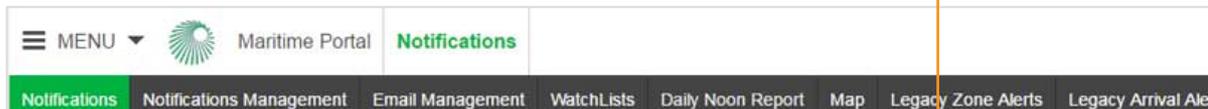
Bespoke S
 Maritime Data Se
 Ships Expected
 Vessel Movemen
Statistical
 World Shipbuildin
 World Fleet Stati
 World Casualty S

Easily access and manage your alerts & notifications:

1 **Mega Menu** – Under Notifications select “Notifications Timeline”

Your TimeLine Feed will display on screen...

Enabling you to quickly see real-time notifications for key changes to ships, zones and ports you are watching...



MENU Maritime Portal Notifications

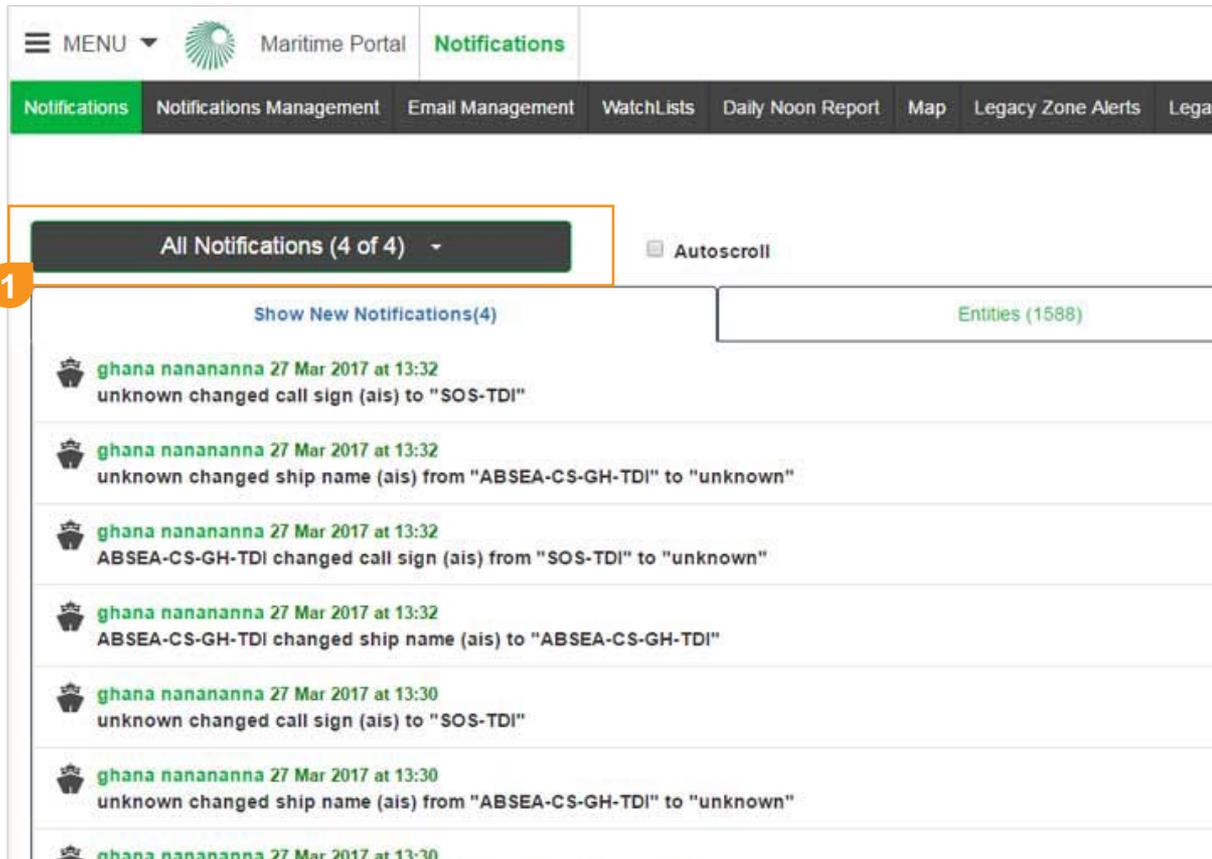
Notifications Notifications Management Email Management WatchLists Daily Noon Report Map Legacy Zone Alerts Legacy Arrival Alerts



All Notifications (0 of 0) Autoscroll

Notifications(0)	Entities (395)
 Ship Watchlist 29 Mar 2017 at 16:19 CHICAGO changed navigational status to "Underway Using Engine"	
 Ais ship Watchlist Check 29 Mar 2017 at 16:17 PRIDE OF KENT entered	
 Dover 29 Mar 2017 at 16:17 PRIDE OF KENT entered	

TimeLine Features



MENU  Maritime Portal **Notifications**

Notifications Notifications Management Email Management WatchLists Daily Noon Report Map Legacy Zone Alerts Legacy

1 All Notifications (4 of 4) Autoscroll

Show New Notifications(4) Entities (1588)

-  ghana nanananna 27 Mar 2017 at 13:32
unknown changed call sign (ais) to "SOS-TDI"
-  ghana nanananna 27 Mar 2017 at 13:32
unknown changed ship name (ais) from "ABSEA-CS-GH-TDI" to "unknown"
-  ghana nanananna 27 Mar 2017 at 13:32
ABSEA-CS-GH-TDI changed call sign (ais) from "SOS-TDI" to "unknown"
-  ghana nanananna 27 Mar 2017 at 13:32
ABSEA-CS-GH-TDI changed ship name (ais) to "ABSEA-CS-GH-TDI"
-  ghana nanananna 27 Mar 2017 at 13:30
unknown changed call sign (ais) to "SOS-TDI"
-  ghana nanananna 27 Mar 2017 at 13:30
unknown changed ship name (ais) from "ABSEA-CS-GH-TDI" to "unknown"
-  ghana nanananna 27 Mar 2017 at 13:30

Easily access your Timeline notifications:

1 Filter-

- Use the drop down to filter by notification list and associated Entities
- Any new notifications will be shown as an unread count (4 of 4 in this example)
- Number will be indicated next to the relevant list in the dropdown

Notification Key:

-  Ship (change) Notification
-  Company (change) Notification
-  Port/Zone Entry Notification
-  Port/Zone Departure Notification

BENEFITS

Maritime Portal helping you identify new business opportunities, operate more efficiently, protect maritime assets and delight your customers

Maritime Portal Notification Centre Benefits

The new Notification Centre provides customers with a bespoke solution to build their own alerts for monitoring maritime assets and areas.

Powered using best-in-class maritime intelligence including ships, ownership, ports, movements and global AIS data...

Asset Protection

- Automatically monitor any ships slowing down or anchoring in your custom zones or ports

Identify New Business

- Be notified of ship's that has changed its AIS status to moored or aground

Operational Efficiency

- Be notified of any ships coming into your port and be notified as soon ships change eta and destination information

Marketing Activities & Opportunities

- Be notified when ships of interest change registration or ownership to ensure your own internal databases are kept up to date with accurate and reliable information

System Entitlement Matrix *(slide 1 of 3)*

Notification Centre Capabilities, Fields & Filters

 AIS Message Derived Data

NOTIFICATION CENTRE ENTITLEMENT	Maritime Intelligence Risk Suite	Maritime Portal Gold	Maritime Portal Silver	Maritime Portal Bronze	AISLive only	Sea-web only	Sea-web Movements (add on)
WatchLists							
AISLive (unlimited)	✓	✓	✓	✓	✓		
Sea-web (unlimited / max 2,500 per list)	✓	✓	✓	✓		✓	
Alerting – Selectable Fields							
Bareboat Charterer company	✓	✓	✓	✓		✓	
Call Sign	✓	✓	✓	✓		✓	
Call Sign (AIS)	✓	✓	✓	✓	✓		
Classification Society	✓	✓	✓	✓		✓	
Construction Details	✓	✓	✓	✓		✓	
Deadweight	✓	✓	✓	✓		✓	
Destination	✓	✓	✓	✓	✓		✓
DOC Company	✓	✓	✓	✓		✓	
Draught (AIS)	✓	✓	✓	✓	✓		
Estimated Time of Arrival	✓	✓	✓	✓	✓		
Flag	✓	✓	✓	✓		✓	
Gross Tonnage	✓	✓	✓	✓		✓	
Hazard Category	✓	✓	✓	✓	✓		
Navigational Status	✓	✓	✓	✓	✓		
Operator	✓	✓	✓	✓	✓	✓	
P&I club	✓	✓	✓	✓		✓	
Port Of Registry	✓	✓	✓	✓		✓	
Prime Mover	✓	✓	✓	✓		✓	
Registered Owner	✓	✓	✓	✓		✓	

System Entitlement Matrix *(slide 2 of 3)*

Notification Centre Capabilities, Fields & Filters

 AIS Message Derived Data

NOTIFICATION CENTRE ENTITLEMENT	Maritime Intelligence Risk Suite	Maritime Portal Gold	Maritime Portal Silver	Maritime Portal Bronze	AISLive only	Sea-web only	Sea-web Movements (add on)
Alerting – Selectable Fields							
Ship Manger	✓	✓	✓	✓		✓	
Ship Name	✓	✓	✓	✓		✓	
Ship Name (AIS)	✓	✓	✓	✓	✓		
Ship Status	✓	✓	✓	✓		✓	
Ship type (AIS)	✓	✓	✓	✓	✓		
SMC	✓	✓	✓	✓		✓	
Technical Manager	✓	✓	✓	✓	✓	✓	
Alerting – Zone/Area Filters							
Custom Zones (polygonal)	✓	✓	✓	✓	✓		
Custom Zones (circular)	✓	✓	✓	✓	✓		
Port Zones	✓	✓	✓	✓	✓		✓
JWC War Zones	✓						
Sanctioned Country Calls	✓						
Alerting – General Filters							
Bareboat Charterer company	✓	✓	✓	✓		✓	
Deadweight	✓	✓	✓	✓		✓	
Destination	✓	✓	✓	✓	✓		✓
Draught (AIS)	✓	✓	✓	✓	✓		✓
Draught (MAX)	✓	✓	✓	✓		✓	
Flag	✓	✓	✓	✓		✓	
Gross Tonnage	✓	✓	✓	✓		✓	
Group Beneficial Owner Company	✓	✓	✓	✓		✓	

System Entitlement Matrix *(slide 3 of 3)*

Notification Centre Capabilities, Fields & Filters

 AIS Message Derived Data

NOTIFICATION CENTRE ENTITLEMENT	Maritime Intelligence Risk Suite	Maritime Portal Gold	Maritime Portal Silver	Maritime Portal Bronze	AISLive only	Sea-web only	Sea-web Movements (add on)
Alerting – General Filters							
Navigation Status	✓	✓	✓	✓	✓		✓
Operator	✓	✓	✓	✓	✓	✓	✓
P&I club	✓	✓	✓	✓		✓	
Port of Registry	✓	✓	✓	✓		✓	
Registered Owner	✓					✓	
Ship Manager	✓					✓	
Speed	✓				✓		✓
Technical Manager	✓				✓	✓	✓
Email Scheduling Options							
Instant	✓	✓	✓	✓	✓	✓	✓
Hourly (1-24)	✓	✓	✓	✓	✓	✓	✓
Daily	✓	✓	✓	✓	✓	✓	✓
Do not disturb (between hours)	✓	✓	✓	✓	✓	✓	✓
Mute Alerts	✓	✓	✓	✓	✓	✓	✓
TimeLine Notification Lists							
Ships WatchList (master)	✓	✓	✓	✓	✓	✓	
Custom WatchLists	✓	✓	✓	✓	✓	✓	
Company Watch	✓	✓	✓	✓	✓	✓	
AIS Zones (Custom)	✓	✓	✓	✓	✓		
Ports (pre-defined)	✓	✓	✓	✓	✓		✓
JWC War Zones (pre-defined)	✓						

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