

# POLE STAR

Empowering Maritime Insight

POLE STAR

PurpleTRAC

# WHAT WE DO

At Pole Star we develop pioneering technologies, empowering maritime insight to inform your real-world decisions.

Movement across our oceans is critical to the global economy, impacting all of us, every day. With 90% of world trade travelling by sea, we all rely on the smooth running of the maritime industry for stability, security, and business continuity.

We work with governments and businesses across the supply chain, creating a **transparent, secure, and compliant** operating environment. Since 1998 we have pushed the limits of innovation and, today, we continue to develop new ways of turning complex data into accessible insight across regulatory conformance, sanctions screening, trade compliance, tracking, monitoring, and ship security.

Our wide range of solutions are designed specifically to **enable time-critical decisions and mitigate risk across all facets of maritime activity** - from cross-border trade to the monitoring of territorial waters and everything in between.

# WHO WE SERVE

At Pole Star we develop pioneering technologies, empowering maritime insight to inform your real-world decisions across three sectors:



Financial Markets &  
Compliance

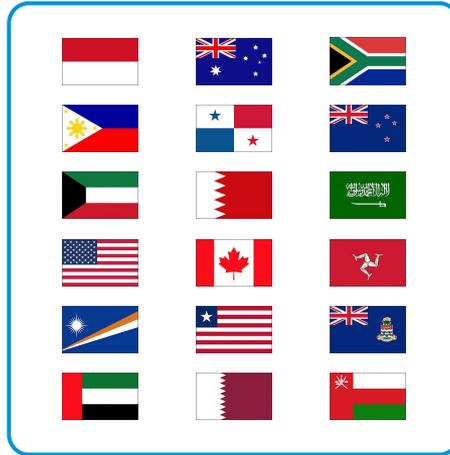


Governments



Shipping & Offshore

# OUR PARTNERS



Shipping & Offshore

Governments

Financial Markets &  
Compliance

WHO WE SERVE

# Financial Markets & Compliance



With the US treasury and other global regulators focussing more extensively on the maritime trade and shipping industry, the need to keep at pace with an increasingly complex sanctions landscape is now vital.



Help clients with regulatory exposures in the banking, trade, commodity, insurance and government sectors manage their financial crime risk with advanced sanctions screening and vessel tracking solutions.



Multi-award winning regulatory technology, PurpleTRAC, protects companies from regulatory exposures in maritime trade and shipping while automating, streamlining, and recording formerly manual processes.



Collaborative partnerships with Dow Jones Risk & Compliance and TradelX have been driven by the need to create a transparent operating environment and continue to guide the digitisation of the maritime world.

WHO WE SERVE

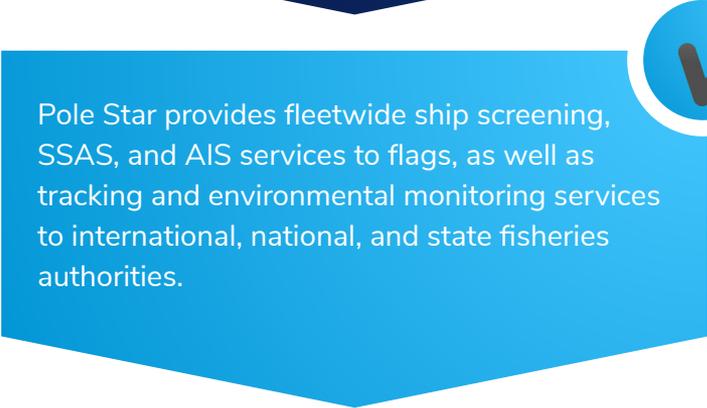
# Governments



In 1998, Pole Star was the first company to develop real-time tracking in the maritime industry, and since then we have continued to offer cutting edge technology solutions.



Pole Star is an LRIT Application Service Provider (ASP) / DC administrator, and provides authorised LRIT testing ASP services to over 100 Flags.



Pole Star provides fleetwide ship screening, SSAS, and AIS services to flags, as well as tracking and environmental monitoring services to international, national, and state fisheries authorities.



Pole Star supports coastal surveillance operations of governments and organisations associated with Homeland Security and the safeguarding of a country's maritime domain.

WHO WE SERVE

# Shipping & Offshore



In 1998, Pole Star was the first company to develop real-time tracking in the maritime industry, and since then we have continued to offer cutting edge technology solutions.



We offer vessel tracking, SSAS, and LRIT conformance testing services, and provide innovative solutions for asset management, risk intelligence, and fisheries monitoring.



For shipping companies, commercial operators, charterers, and brokers that require worldwide competitive situational awareness, Pole Star offers actionable intelligence and global visibility.



We track over 12,000 ships on behalf of 1,200 global commercial customers in over 100 countries worldwide, representing a wide range of sectors such as oil & gas, logistics & freight, container and cruise liners and commodity shipping.

# INDUSTRY OVERVIEW

Movement across our oceans is critical to the global economy, impacting all of us, every day. With **90% of world trade travelling by sea**, we all rely on the smooth running of the maritime industry for stability, security, and business continuity.



World maritime trade is estimated at \$17 trillion per annum



70% of trade is shipped as containerised cargo



Increased scrutiny from regulators and industry bodies



Regulatory changes occur in the financial services sector every 7-12 minutes

# MARITIME REGULATION

Maritime trade and its financing has become increasingly high risk and, as such, is becoming the focal point of regulators and industry bodies, including:



Hong Kong Monetary  
Authority



Monetary Authority  
Singapore



United Nations

***“the maritime industry  
is the key artery for  
sanctions evasion globally”***

David Peyman, Deputy  
Assistant Secretary of State for  
Counter Threat Finance and  
Sanctions

Regulators have made it clear that:

- No one is shielded from sanctions
- Knowing a vessel's movement history is essential
- Ship screening is not sufficient alone, must screen the whole ecosystem
- Full investigations into suspicions of false documentation and STS transfers must be completed

THE SOLUTION

# What we can do in 30 seconds



Screen



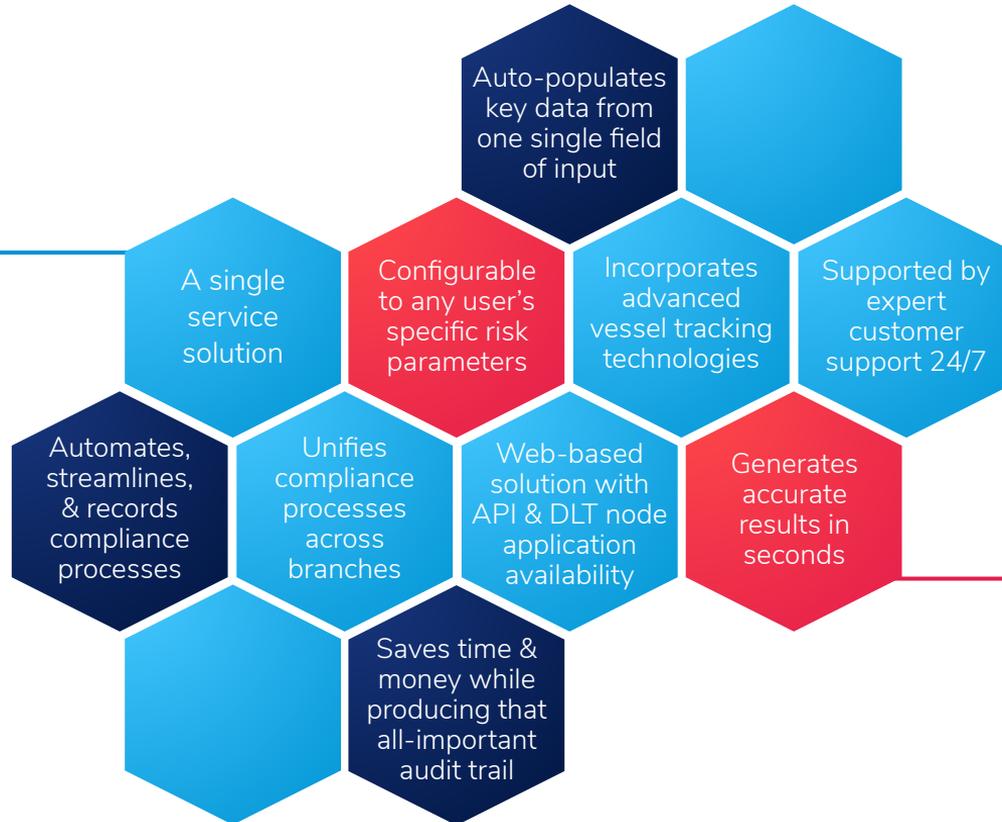
Monitor



Report

THE SOLUTION

# Benefits



SCREENING

# Features

**Enter ship name or IMO number:**

Titan	
<b>TITAN MERCURY</b> IMO: 7393315 Ship Type: Crude/Oil Products Tanker	
<b>TITAN VENUS</b> IMO: 7319709 Ship Type: Chemical Tanker	
<b>TITAN TULSHYAN</b> IMO: 9039638 Ship Type: Tanker	

SCREENING

# Features

## TITAN MERCURY

IMO: 7393315

Ship Type: Crude/Oil Products Tanker



### STATUS: **CRITICAL**

Company Global Sanction List check	<b>OK</b>
Country Sanctions check	<b>OK</b>
Port State Control history check	<b>WARNING</b>
Ship Global Sanction List check	<b>OK</b>
Ship movement history check	<b>CRITICAL</b>

## SCREENING

# Additional Entity Screening

Extend the *Company Global Sanction List* check performed during vessel screening.

Screen **specific entities** linked to the vessel transaction that are not already listed as owners, managers, or operators of the vessel.

Status: <b>CRITICAL</b>		Full Report
Ship Global Sanction List check	✓	Details
Company Global Sanction List check	⚠ Additional 1	Details
Country Sanctions check	⚠	Details
Ship movement history check	⚠	Details
Port State Control history check	✓	Details

View the sanctions list(s) and **severity status** of any sanctioned entities.

Record your due diligence activities on the vessel's PDF Screening Report.

## SCREENING

# Compliance Report

## POLE STAR

### PurpleTRAC Screening Report

**Ship Name:** BAHJAT  
**IMO Number:** 9405954  
**Flag:** Iran  
**Flag effective date:** 2012-10  
**Ship Type:** Bulk Carrier  
**MMSI:** 422036300  
**Call Sign:** EPBW4  
**IHS Status:** In Service/Commission  
**Port of registry:** Qeshm Island  
**Classification society:** Nippon Kaiji Kyokai  
 2016-08  
**Deadweight:** 53456  
**Weight:** 52474  
**Length:** 190  
**Breadth:** 32.260  
**Displacement:** 64609  
**Draught:** 12.600

**Ship screening:** 2019-06-11 10:47:20 UTC  
**Status:** **Critical**  
**Registered Owner:** Oghiaanous Khoroushan Shipping  
**Operator:** Sapid Shipping Co  
**Group Beneficial Owner:** Hafiz Darya Shipping Co  
**Ship Manager:** Rahbaran Omid Darya Ship Mgmt  
**Technical Manager:** Rahbaran Omid Darya Ship Mgmt  
**Shipbuilder:** Chengxi Shipyard Co Ltd  
**Country of build:** China, People's Republic Of  
**Build year:** 2009  
**Hull type:** Double Hull  
**DOC company:** Rahbaran Omid Darya Ship Mgmt  
**Safety Management Certificate DOC Company:** Rahbaran Omid Darya Ship Mgmt  
**Safety Management Certificate date issued:** 2016-09-12  
**Protection and Insurance Club:** Steamship Mutual U/W (Bermuda)



### Country Sanctions Check Status: **Critical**

Flag: **Iran**

Company	Association	Registration Country	Domicile Country	Control Country
Rahbaran Omid Darya Ship Mgmt	Technical Manager	<b>Iran</b>	<b>Iran</b>	<b>Iran</b>
Rahbaran Omid Darya Ship Mgmt	Ship Manager	<b>Iran</b>	<b>Iran</b>	<b>Iran</b>
Hafiz Darya Shipping Co	Group Beneficial Owner	Unknown	Unknown	Unknown
Sapid Shipping Co	Operator	<b>Iran</b>	<b>Iran</b>	<b>Iran</b>
Oghiaanous Khoroushan Shipping	Registered Owner	Hong Kong, China	<b>Iran</b>	Unknown

### Ship Global Sanctions List Check Status: **Critical**

#### Sanction Lists / Other Official Lists

Sanction	Listed since	To
OFAC - Specially Designated National List	2018-11-05	-
OFAC - WMD Proliferators & Supporters List	2010-06-16	-
OFAC - WMD Proliferators & Supporters List	2010-06-16	2016-01-16
OFAC - WMD Proliferators & Supporters List	2010-06-16	-

# SCREENING

# BLV Screening Report

PurpleTRAC

## Bill of Lading Report

**Bill of lading number:** 123456789012345

**Status:** Warning

**Carrier name:** Carrier Name  
**Carrier status:** OK



**Loading location:** Dammam , Saudi Arabia (SADMM)  
**Location status:** OK  
**Estimated time of arrival:**

**Method of transport:** Maritime  
**Vessel name:** Vessel Name  
**IMO number:** 1234567

**Ship Global Sanctions List:** OK  
**Company Global Sanctions List:** OK  
**Country Sanctions:** OK  
**Ship Movement History:** OK  
**Port State Control History:** OK

(For full ship screening details, download the full report on PurpleTRAC.)

**Screening on:**  
2020-10-30 05:15:52 UTC

**Container number:** HLBU2470625, BSIU9098180, TCNU1671396, SLSU8056809, BEAU4562791, RFCU5091919, TCKU6019832, GESU6317656, FCIU9055674, TGBU5917127, HLXU8189090, RFCU5023961, TCNU6155237, FSCU8237127, CAIU8459641, FCIU8722381



**Transhipment location:** Jeddah , Saudi Arabia (SAJED)  
**Location status:** OK  
**Estimated time of arrival:** 22.03.2020 20:00 Local time

**Method of transport:** Maritime  
**Vessel name:** Vessel Name  
**IMO number:** 1234567  
**Ship Global Sanctions List:** OK  
**Company Global Sanctions List:** OK  
**Country Sanctions:** OK  
**Ship Movement History:** OK  
**Port State Control History:** Warning  
(For full ship screening details, download the full report on PurpleTRAC.)

**Discharge location:** Chennai , India (INMAA)  
**Location status:** OK  
**Estimated time of arrival:** 22.04.2020 09:18 Local time

DISCLAIMER: VESSELS AND TRANSSHIPMENT PORTS MAY NOT BE DISPLAYED OR AVAILABLE AT THE TIME OF SCREENING. ANY DATA IS PROVIDED "AS IS" WITHOUT WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED AND POLE STAR ACCEPTS NO RESPONSIBILITY OR LIABILITY FOR RELIANCE ON THIS DATA.

[\*] "Warning" and "Critical" alerts are generated from third party information based on the customer account screening settings without warranty or verification by Pole Star.

Screening reports and all information contained are subject to PurpleTRAC® terms and conditions of use. For information on how to interpret these results, please go to <https://www.polestarglobal.com/services/disclaimer/>

# VESSEL INVESTIGATION

Easy access to clear, detailed information on vessels has never been more important. The recent OFAC and OFSI advisories have reinforced how essential proper due diligence when facing issues caused by documentary fraud and sanctions evasion.



## Pole Star's Hybrid Solution:

- Monitor vessels suspected of illicit activity by performing further analysis on non-reporting gaps through the linkout to our Maritime Domain Awareness (MDA) platform.
- MDA provides full visibility of your marine assets and logistics. The system identifies global shipping trends and monitors vessel behaviour, port activity, weather, and trade flows with the most accurate vessel data available.

## VESSEL INVESTIGATION

# Dark Ship Analysis

AIS has vulnerabilities that may result in the loss of AIS ship position data - creating a “dark” ship. If a dark ship is operating in proximity to known high-risk transshipment areas and linked with a sanctioned entity, **any associated stakeholders providing commercial services are at risk.**

Ship location transparency requires optimal performance “**persistent tracking**” provided by the aggregation of secure and reliable Inmarsat or Iridium positional data with AIS positional data. This combination creates a multi-source tracking solution.

- Real-time, accurate ship location that works even when the AIS is unavailable.
- Provides redundancy and allows for the elimination of a significant level of dark ship false-positives.

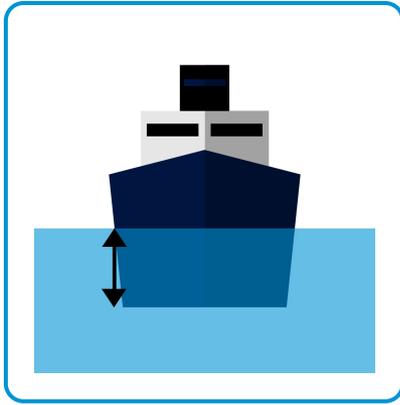


## VESSEL INVESTIGATION

# Draught Change

Detect illicit activity by monitoring draught changes during a period of non-reporting.

*Draught refers to the vertical distance between the surface of the water and the lowest point of the vessel.*



Detect if a non-reporting vessel had cargo loaded or unloaded, e.g. after a vessel's AIS had stopped reporting for 10hrs, the vessel left the area with its draught changed from 8.6 meters to 13.1 meters, indicating cargo may have been loaded onto the vessel.

PurpleTRAC shows the draught value for the last position before the vessel stopped reporting and the first position when the vessel resumed reporting.

# OUR AWARDS



POLE STAR

Thank you