



Risk & Compliance

Trade Compliance Intelligence
for Financial Institutions



Overview: Trade compliance solutions and applications

Intelligent maritime and trade compliance solutions powered by big data and artificial intelligence

Shipping: movement tracking and compliance status of vessels

Perform initial screening of ownership, sanctions and movements including:

- Vessel Sanction Screening (OFAC/UN/EU/HMT/Canada/Australia/Swiss)
- Vessel Movement Screening (JWC/Sanctioned Country Call)
- Historical Port Calls
- Ship Operator & Ownership Screening
- Ship-to-Ship Transfers and 'Dark' Activity Checks
- Container and bill of lading number tracking

Dual-use goods: Accuracy and precision in matching products



Product identification

Electronics, engineering, chemicals



Military goods

Biggest commercial database of terms and goods



Machine learning

Risk identification on real-life bill of lading

Under/over invoicing: Identify price anomalies in goods descriptions



Goods and commodity pricing mapped to the complete HS code schema



Identify the true cost of traded goods from official customs data

Know your customer: Screen individuals, companies and entities as part of a risk-based approach

KYC: Continuous portfolio monitoring

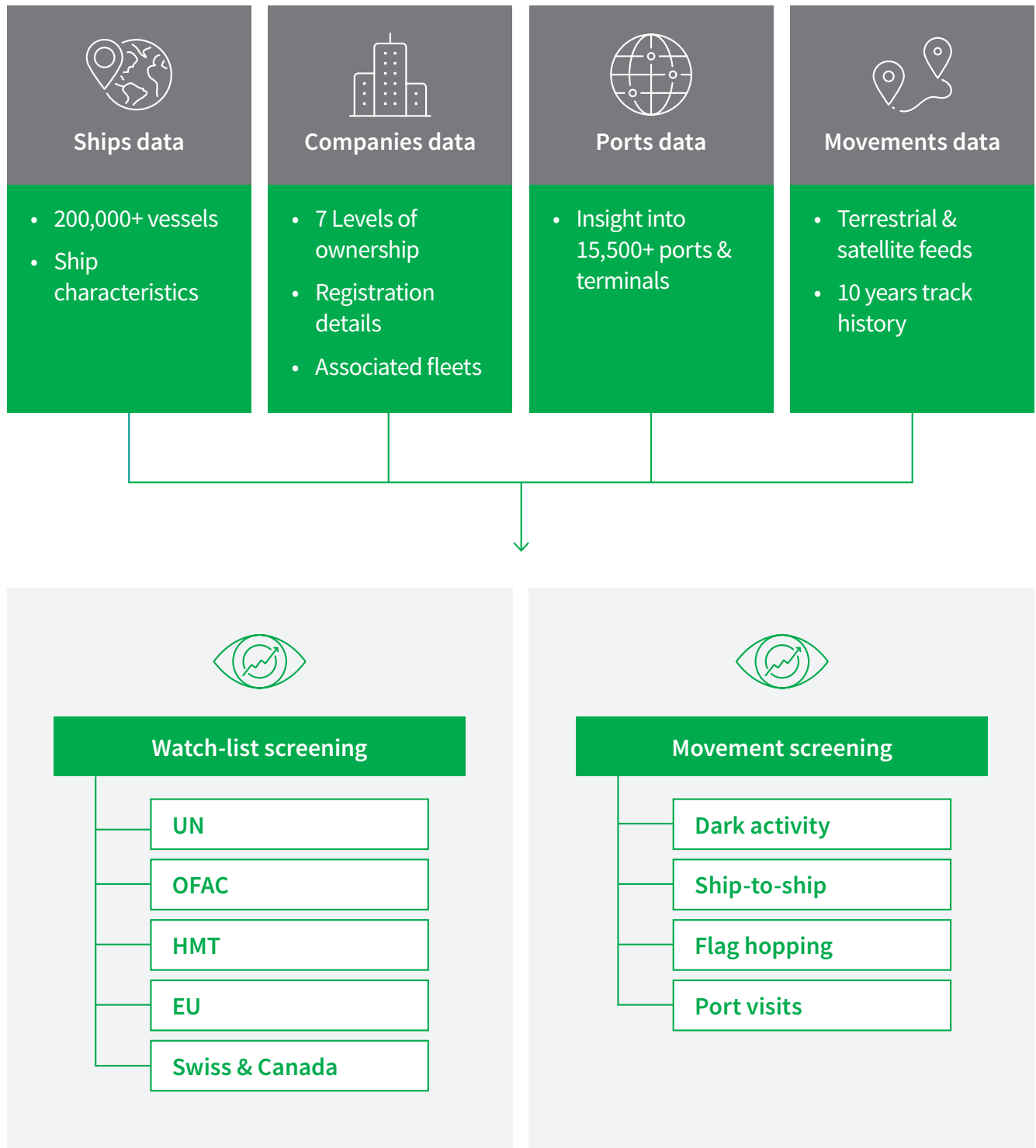
KYC: Sanctions, PEPs, Adverse Media

10m+
risk profiles

120,000+
unique sources

Trade compliance solutions: shipping

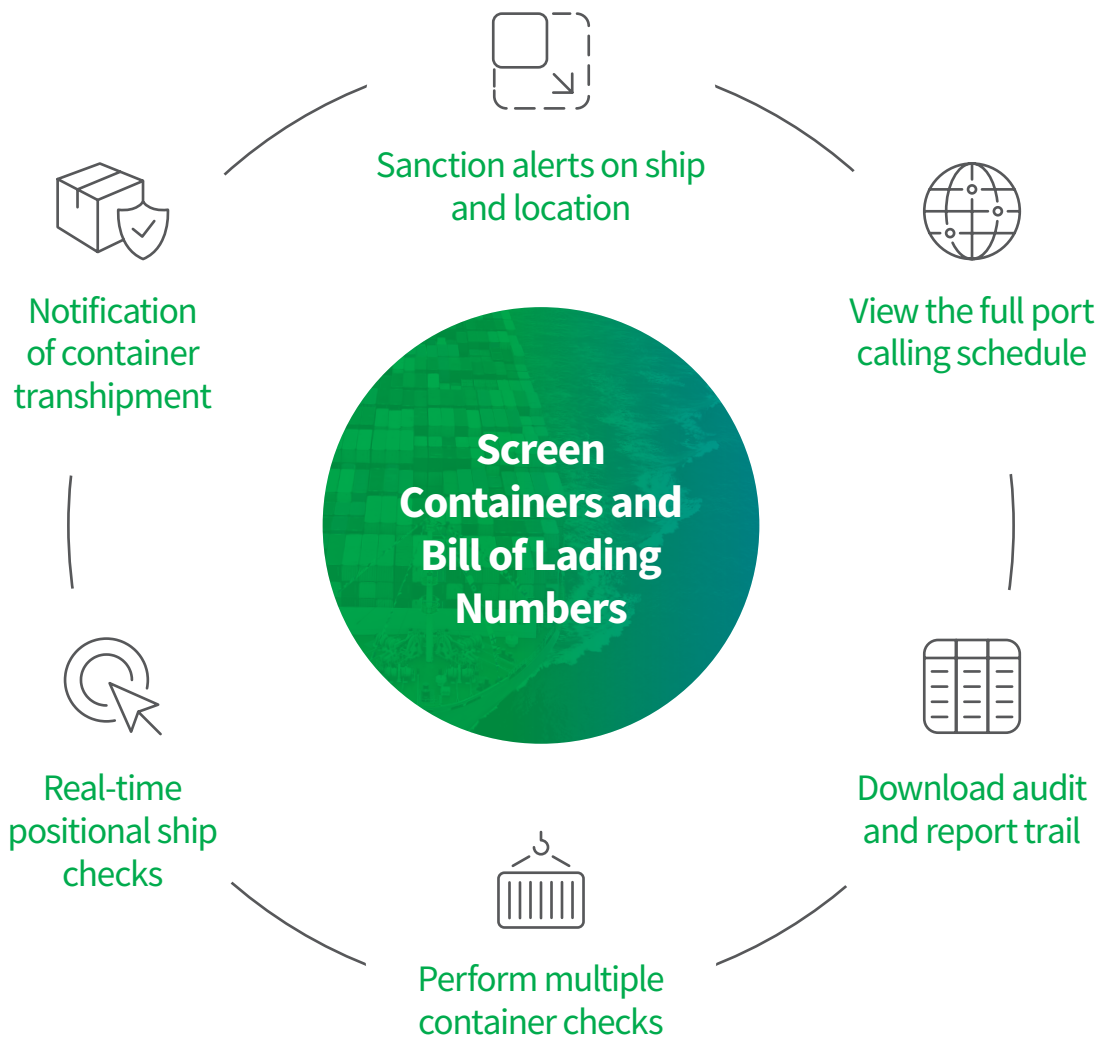
IHS Markit assigns the vessels IMO number on behalf of the UN and manages the world's largest corporate network of ship owners and managers



Trade compliance solutions: containers

Complement IHS Markit's world renowned and trusted vessel tracking service with complete visibility on container movements, transits and carriers

20,500 Ports & Terminals | **94%** of global container shipments



Verify the bill of lading number and the container number in one dashboard

Trade compliance solutions: dual-use goods

Specialist product and goods database combined with AI technology minimises false positives when identifying dual-use and military items



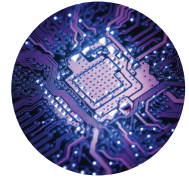
Military &
Defence



Chemicals



Engineering



Electronics &
Computers

500,000 product names, acronyms, synonyms, serial and part numbers

Coverage of **European Union, United States, Japan and China** export control

Current output results of IHS Markit's dual-use goods model:



100,000 random
goods descriptions



96.3% of goods accurately
identified as not dual-use



False positive ratio = 3.7%
True positive ratio = 0.9%



Bill of lading

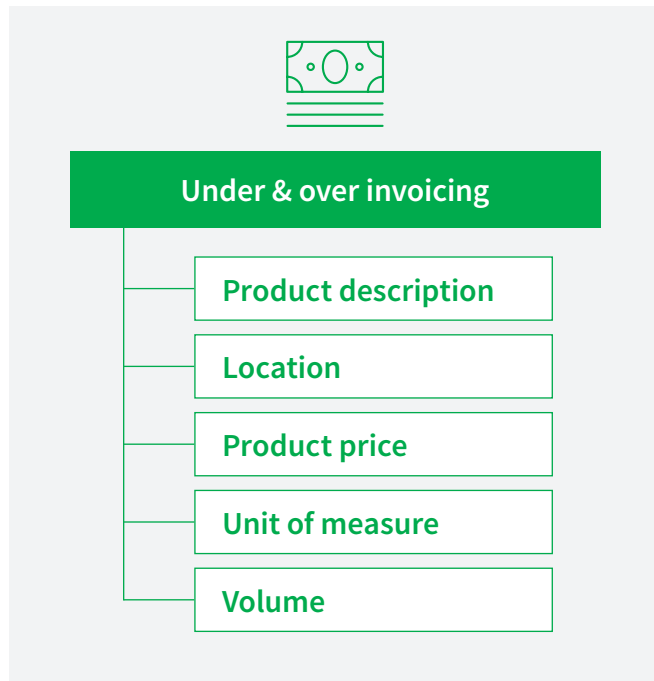


Goods descriptions

500,000+ bill of lading 'goods descriptions' added to IHS Markit's
dual-use goods model for machine learning and accuracy purposes

Trade compliance solutions: under/over invoicing

Evaluate the fair price of globally traded goods - from industrial machinery to consumer products



117

Monthly data sets †

101

Monthly reporting countries / states

+20,000

HS product goods

>96%

Of global bilateral trades**

Delivery

Monthly via CSV, API Services, & Online Interface

** Based on World Bank estimate of global merchandise trade in 2019 at \$38.4 trillion

† Some reporting countries/states have multiple data sets with varying sources or methodologies

The most comprehensive macro trade statistics database

- The Only Historical Data Set available
30+ Years
- Visibility of all Traded Goods
Quantities, Values and Unit Price of traded goods (e.g. T-shirts, Cereals, Chemicals)
- Currency and Unit Conversions
In-built with conversion tables on CCY and UNITS
- Harmonised System Codes "HS"
Data is reported under "HS" Codes across all chapters, down to the granular Tariff Line level.
- Commodity Coder
Translating natural language product description to HS description.

Trade compliance solutions: KYC & AML

Compliment trade screening with checks on shippers, consignees, companies and entities found on trade documents

Global regulatory information database



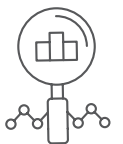
10M+ profiles built from **120,000+ unique sources**, **fully-transparently sourced**, and summarised into **easy-to-read profiles** in a SaaS-based solution

800+ government, regulatory and disciplinary lists



- Global & U.S. sanctions
- Securities exchange actions
- Fugitive lists
- Exclusions lists
- Fraud warnings
- Debarment lists
- Disciplinary actions
- Enforcement actions
- Law enforcement press

Adverse media



- Daily media scanning includes newspapers, magazines, TV / radio, transcripts, etc. from over 120,000 sources
- Screened over 2.5 billion media articles to establish world's most formidable "negative news" franchise
- Largest collection of terrorists, fraudsters, criminals

Politically exposed persons



- Government officials
- Senior legislative branch, military & judicial figures
- State-controlled businesses in key sectors & key executives
- Ambassadors & top diplomatic officials
- Family, associates & advisors
- Multi-national organizations & associated leadership

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About IHS Markit

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