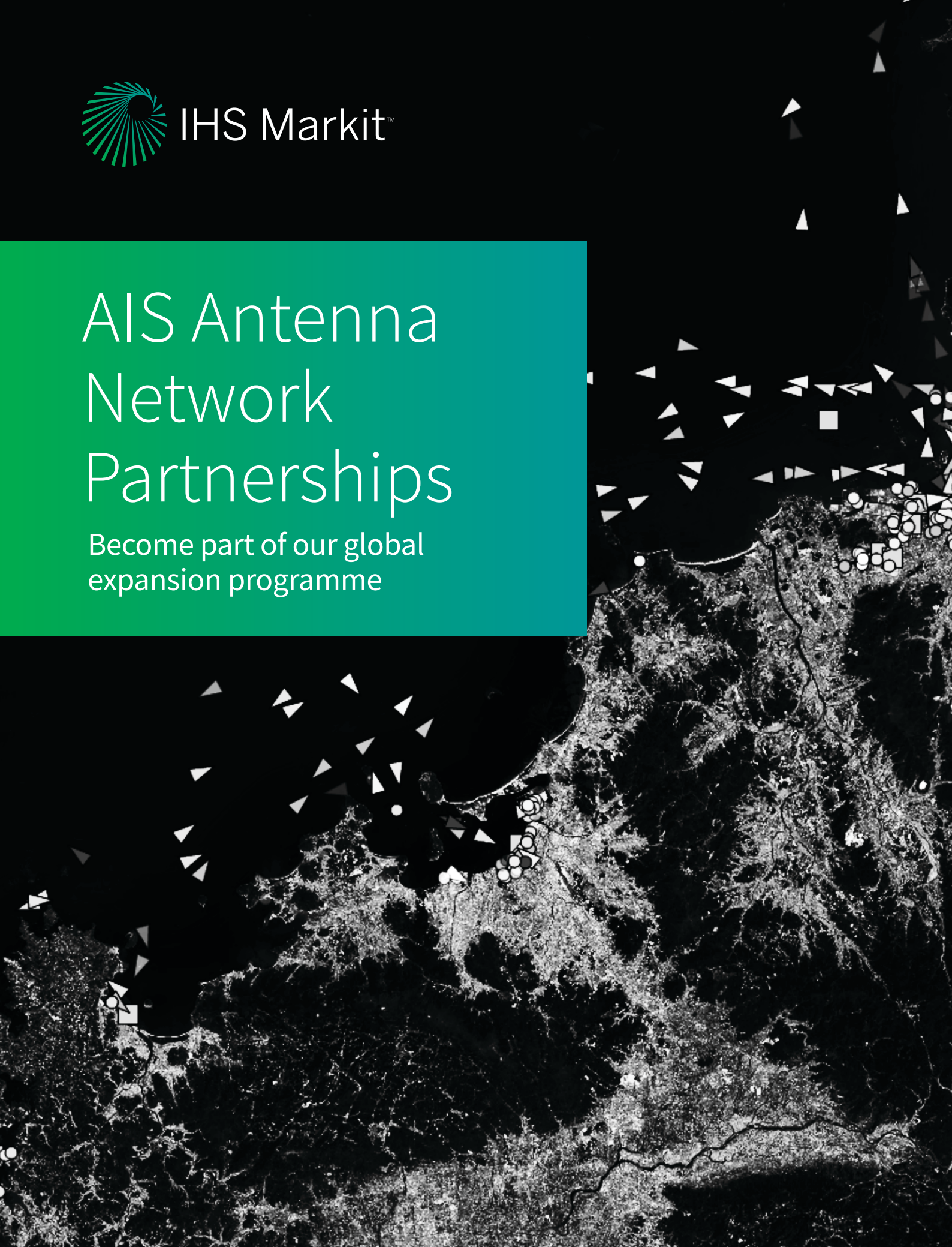# IHS Markit™

AIS Antenna Network Partnerships

Become part of our global expansion programme

Partner with the market leader in maritime and trade solutions

Get connected to IHS Markit's professional global AIS network that powers our vessel tracking services integrated into our market leading solutions

As part of IHS Markit's continuing expansion to our AIS network we are keen to work with reliable partners in ports, harbours, marinas and businesses in strategic locations around the globe that will further enhance our coverage of global vessel movements.

Partnership Benefits:

- Partner with the only organisation that provides information on the ship, the companies that own, operate and manage the vessel, ship locations and port callings intelligence together with the cargoes that they carry

- Access to IHS Markit's unrivalled quality and completeness of data captured and processed by in-house experts with AIS movements data matched against detailed ship characteristics

- We are ISO 9001:2015 accredited provides assurance of our data integrity and we are the only Maritime & Trade data provider working to such high standards of product quality and customer service

- Access AISLive's ship tracking, analysis, filtering and alerting tools

- Antenna hardware kit & installation support

- Dedicated station support & monitoring team

- Preferential subscription rates across our portfolio

What is AIS?

AIS (Automatic Identification System) is the name given to a system that allows ships to identify other ships and ship movements at sea. The AIS system provides more information than traditional radar such as name, call sign, IMO number and MMSI.

Why it was introduced?

AIS was introduced to enhance safety at sea, improve efficiency in navigation and protect marine environments. IMO International Convention for Safety of Life at Sea (SOLAS) requires AIS to be fitted on board international voyaging ships above 299gt.

The AIS data is transmitted in three strands, static, dynamic and voyage-related. Static data is the information programmed into the ship's transponder at installation; this only needs to be changed if the ship undergoes a change in name, flag or ship size after a major reconstruction. Dynamic data is information updated both automatically and manually by the ship's sensors and crew and pertains to gyro, position and speed data. Voyage-related data can be altered manually when required and can relate to information such as navigational status.

What range does an antenna typically cover?

Under normal atmospheric conditions and without obstructions such as hills, buildings, etc. about 25 nautical miles

What data is transmitted?

Vessel registration, dimension, position and voyage-related data

How is data collected and displayed?

By terrestrial and satellite receivers and sent via internet to our servers, which allow us to display in our Maritime Portal – AISLive
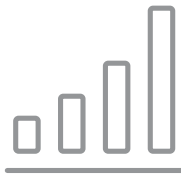
Why Partner with IHS Markit?

With over 300+ years industry experience in providing shipping and trade information, analytics and insights that support our customer's key strategic decisions, market analysis activities and maximising operational efficiency

With the ever increasing amount of data being generated from business operations and processes there has never been more need to ensure high quality expertise in managing, maintaining and enhancing this intelligence. Our data expertise is at the heart of our strategy - through policies, processes and our people, enhancing millions of data records we ensure our solutions have the most advanced data available.

Quality, Completeness & Verification

- We are ISO 9001:2015 accredited

- We are the sole appointed authority for assigning and validating the IMO Ship and Company numbers

- Our data is maintained in-house by expert data analysts with hundreds of years' experience in managing maritime and trade data

- Our data exchanges and strategic partnerships across the industry further enrich our breadth of coverage and currency of data
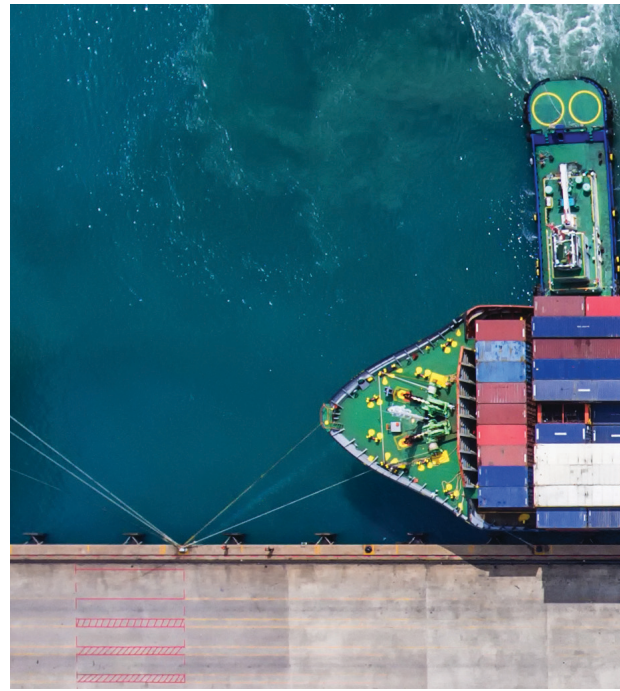
Unrivalled Data Intelligence

- We maintain the world's largest connected maritime databases with the ability to cross reference between data sets

- Through our heritage evolving from the Register of Ships we maintain more technical data than any other organization with over 300 technically orientated fields covered from a total population of 600

- We maintain the largest ports & terminals database, with over 90% berths geo-referenced

- We hold best-in-class ship and comprehensive ownership structure data to 7 levels, including Port State Control (PSC) events

- Our unique global port and berth zone mapping provides a clear picture of vessel movements in and around port

IHS Markit's AISLive was the industry's first online software for tracking real-time marine traffic. AISLive delivers updated movements for 130,000+ vessels every 60 seconds, including activity at 15,500+ ports and terminals worldwide and is integrated with our flagship product Sea-web – the ultimate maritime reference tool with easy access to detailed ship, company and port information

Becoming
a Host

Location criteria:

– A coastal location with a clear line of sight to the port/ sea area to be monitored. Antenna height should be as high as possible to ensure maximum detection range, a minimum of 10m above sea-level is recommended.

– Continuous 24/7 power supply

– Reliable 24/7 broadband connection

– A 24/7 AIS contact that can attend to the hardware in the event of loss of connection or data-flow

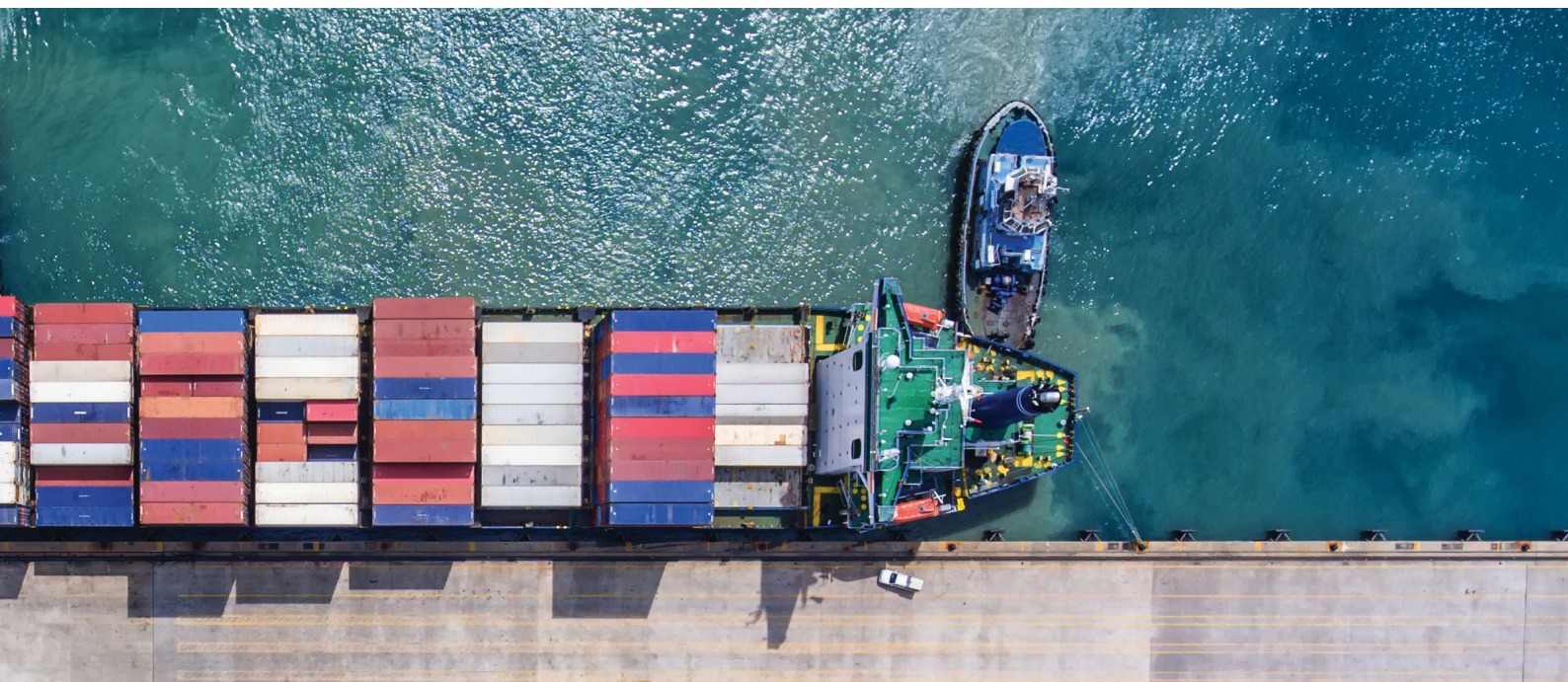## IHS Markit's AIS equipment & Installation

AIS Equipment:

– Cardioid Dipole Array Antenna, surge protector and co-axial cable

– Comar SLR-350N receiver and power supply

– Network cable

Installation steps:

– Erect antenna ideally at least 30m above sea-level with surge protector and co-axial cable

– Connect co-axial cable to Comar receiver.

– Connect network cable to receiver and router/switch

– Connect power cable to Comar and to power source

– If required, configure receiver in your network

Station Monitoring

Our Station Monitor System shows connection, data flow and throughput from our station partners and allows both hosts and our AIS support team to check and monitor network connectivity.

Specialist support team available.

Discounted Subscriptions for Station Partners

All our partners automatically benefit from access to Maritime Portal - AISLive's vessel tracking area where you can track and monitor traffic not just in that area but around the globe. For key strategic locations where IHS Markit is looking to further expand our coverage we may pay you to partner with us. IHS Markit delivers an online webinar programme covering topical maritime and trade issues which you will be invited to attend.

Discounted Solutions

– Maritime Portal (Sea-web & AISLive Satellite & Ports)

– Global Trade Atlas – Commodity Trade Data Solutions

– PIERS – Bill of Lading Data Solutions

– Fairplay & JOC - Industry News, Insight & Events

About IHS Markit

IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 85 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.

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