Webinar: Achieve global supply chain transparency with intelligent visibility and predictive analytics

Agenda

What we do
AIS data level set
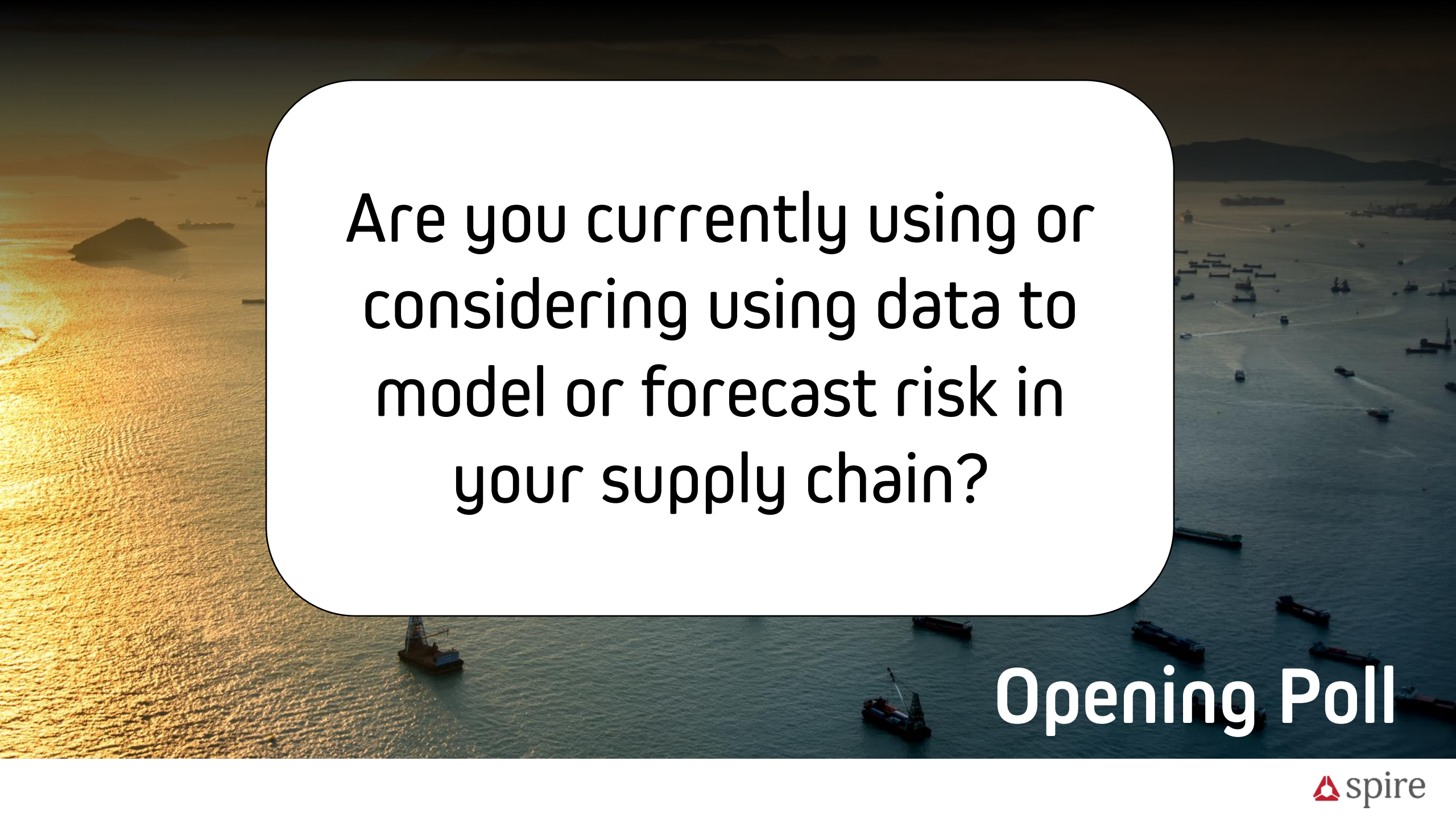**Live demo**

Introducing ODYN
Live demo
Future plans

Q&A

Opening Poll

spire

Are you currently using or considering using data to model or forecast risk in your supply chain?

Opening Poll

Results

What We Do

Spire is a next generation data and predictive analytics company that collects data from space to solve problems on Earth. Spire identifies, tracks and predicts the movement of the world's resources and weather systems.

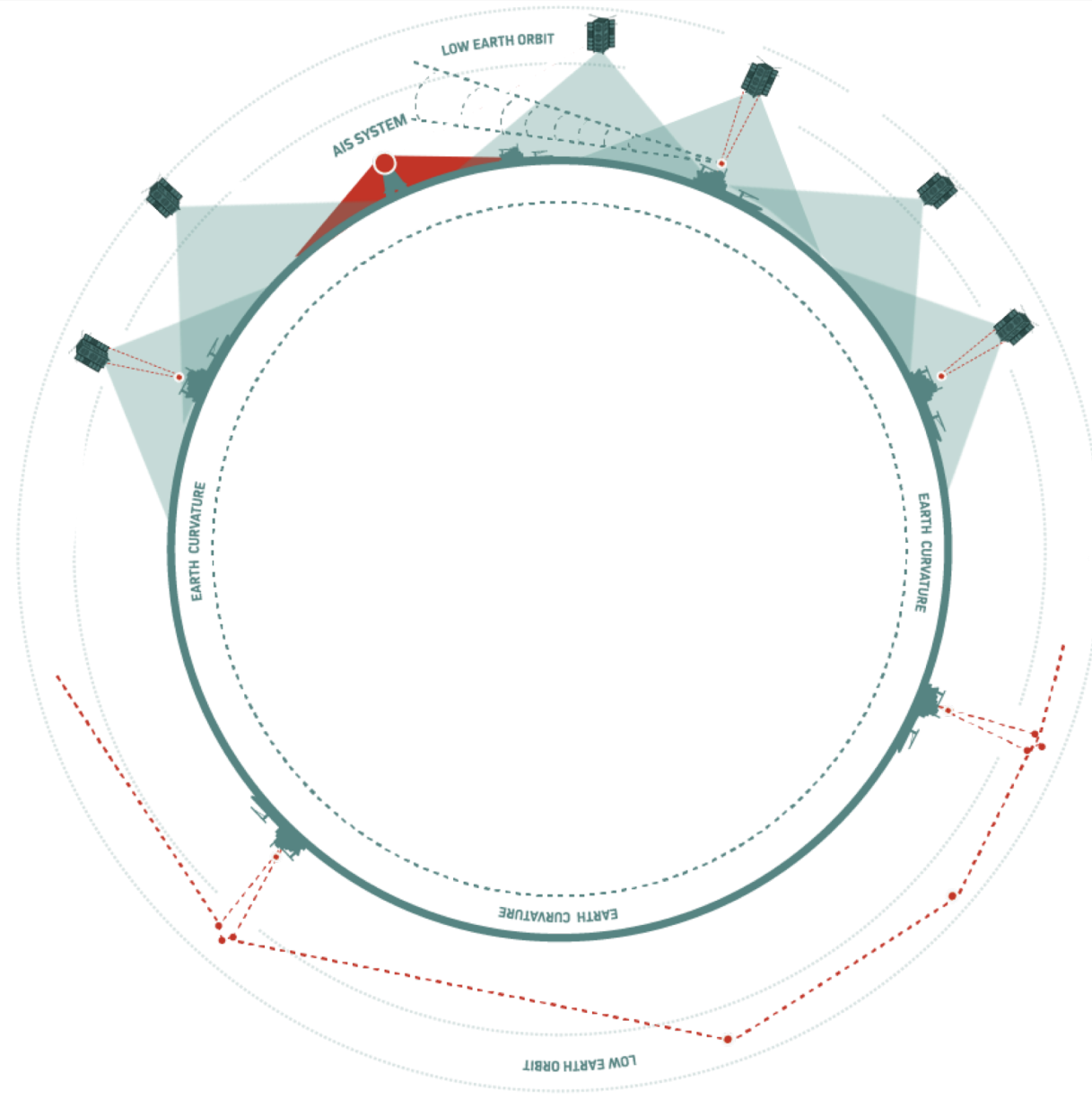# Global Nanosatellite Constellation

WHAT MAKES SPIRE DIFFERENT?

DESIGN	BUILD	LAUNCH	OPS	DATA DELIVERY
Satellites Radio Antennas	Key Vendors	Launch Broker Launch Companies	Control Ground Station Downlink	Spire API & Data Services

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AIS DATA LEVEL SET

What is AIS?

- AIS: Automatic Identification System
- Developed as a collision avoidance system
- Mandated by the International Maritime Organization

Satellite AIS

AIS Data Overview

Vessel & Message Counts

180k+   **Unique Vessels / Day**

(Satellite + Terrestrial)

28M   **Total Messages / Day**

(Satellite + Terrestrial)

What fields are in each AIS Message?

- NMEA
- **MMSI**
- IMO
- Message Type
- Message Timestamp
- System Ingestion Timestamp
- Collection Type (satellite or terrestrial)
- Message Description
- Intermediary Message Source
- Message ID
- Country Flag
- Country Flag Short Code
- **Longitude**
- **Latitude**
- Position (GeoJSON)

- GPS Accuracy
- Course
- Heading
- **Speed**
- Destination
- ETA
- Status
- **Draught**
- Vessel Name
- Vessel Length
- Vessel Width
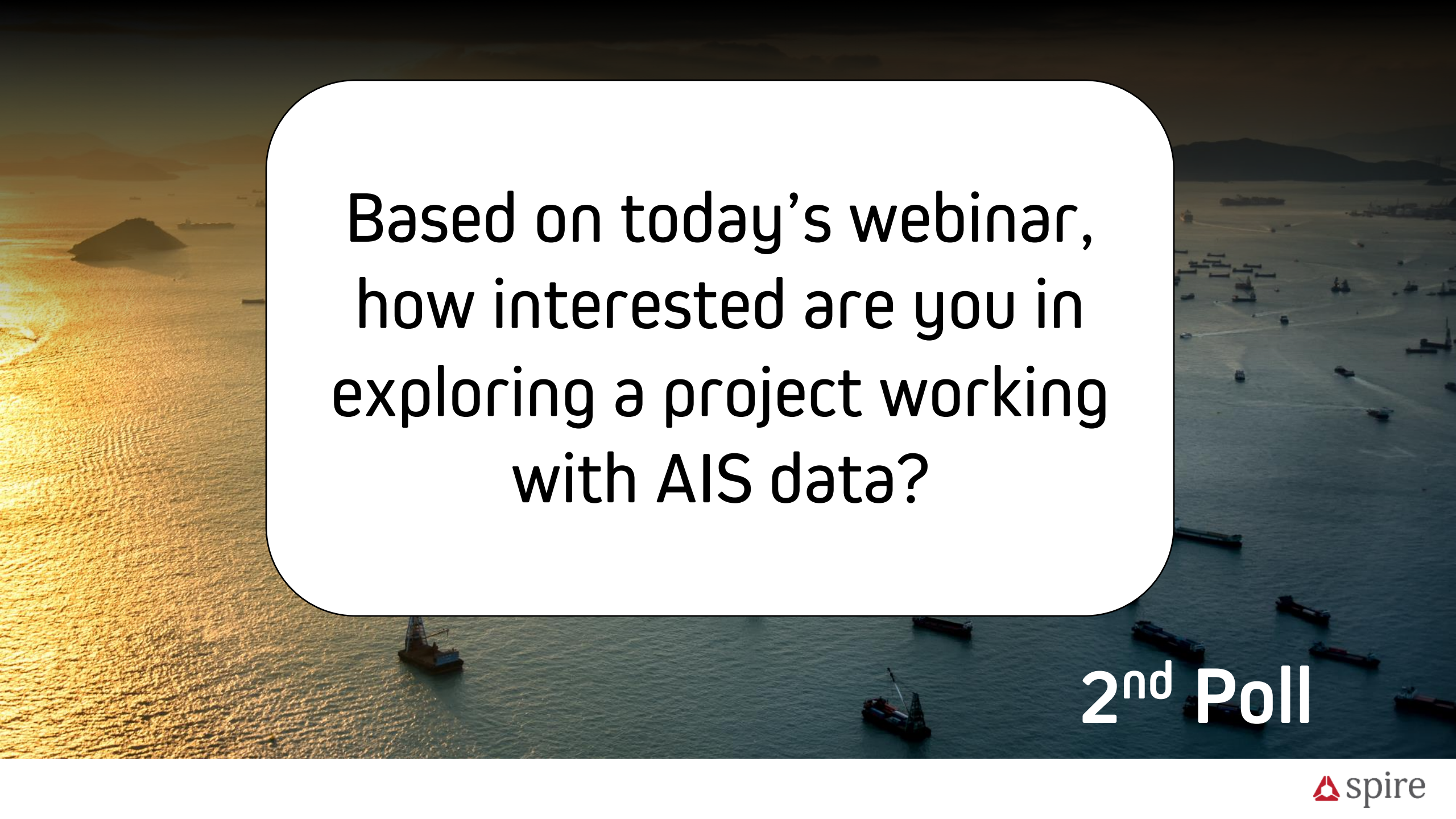- Ship & Cargo Type
- Ship Type
- Call Sign

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LIVE DEMO

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Introducing ODYN

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2nd Poll

Based on today's webinar, how interested are you in exploring a project working with AIS data?

2nd Poll

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Results

Q&A