



AXYS Technologies Inc.

Company, Products & Capabilities Overview

Saturday, January 27, 2024

Msc. Julio Leal

Account Manager Latin America

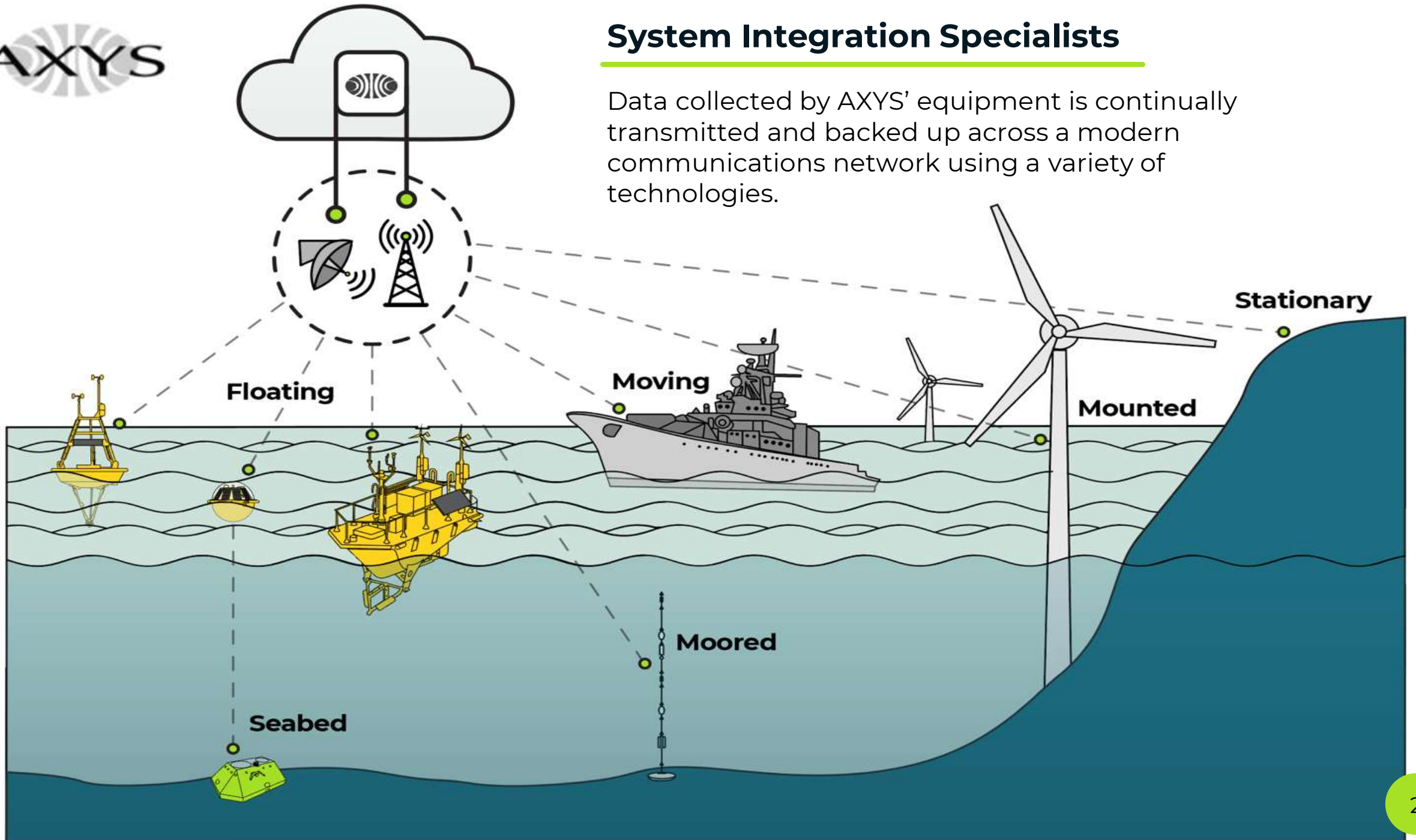
Jleal@axys.com +58 412 6504320





System Integration Specialists

Data collected by AXYS' equipment is continually transmitted and backed up across a modern communications network using a variety of technologies.



Oceanographic & Meteorological Sensors

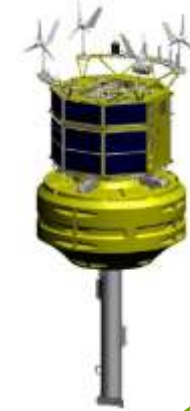
- ✓ Air Temperature and Relative Humidity
- ✓ Surface Winds
- ✓ Pressure
- ✓ Wave
- ✓ Current Profile
- ✓ Water (Surface) Temperature
- ✓ Water Quality
- ✓ Salinity
- ✓ Turbidity
- ✓ Avian & Bat Detection
- ✓ Camera
- ✓ LiDAR

Ocean Buoy Line

Meeting Varying Measurement Needs

Power & Sensor Capacity

Water Depth/Buoyancy





AXYS – 14 Years of FLiDAR Success



2009 first floating LiDAR deployment AXYS WindSentinel and FLiDAR NV

AXYS integrates LiDAR into its Nomad floating hull



2015 AXYS Acquires



2017 AXYS Hits 800 Systems Worldwide

AXYS sells systems to over 80 countries around the world, including North America, Europe, UK, Asia, Central and Southern America, and Middle east



2023 AXYS WindSentinel reached Stage 3

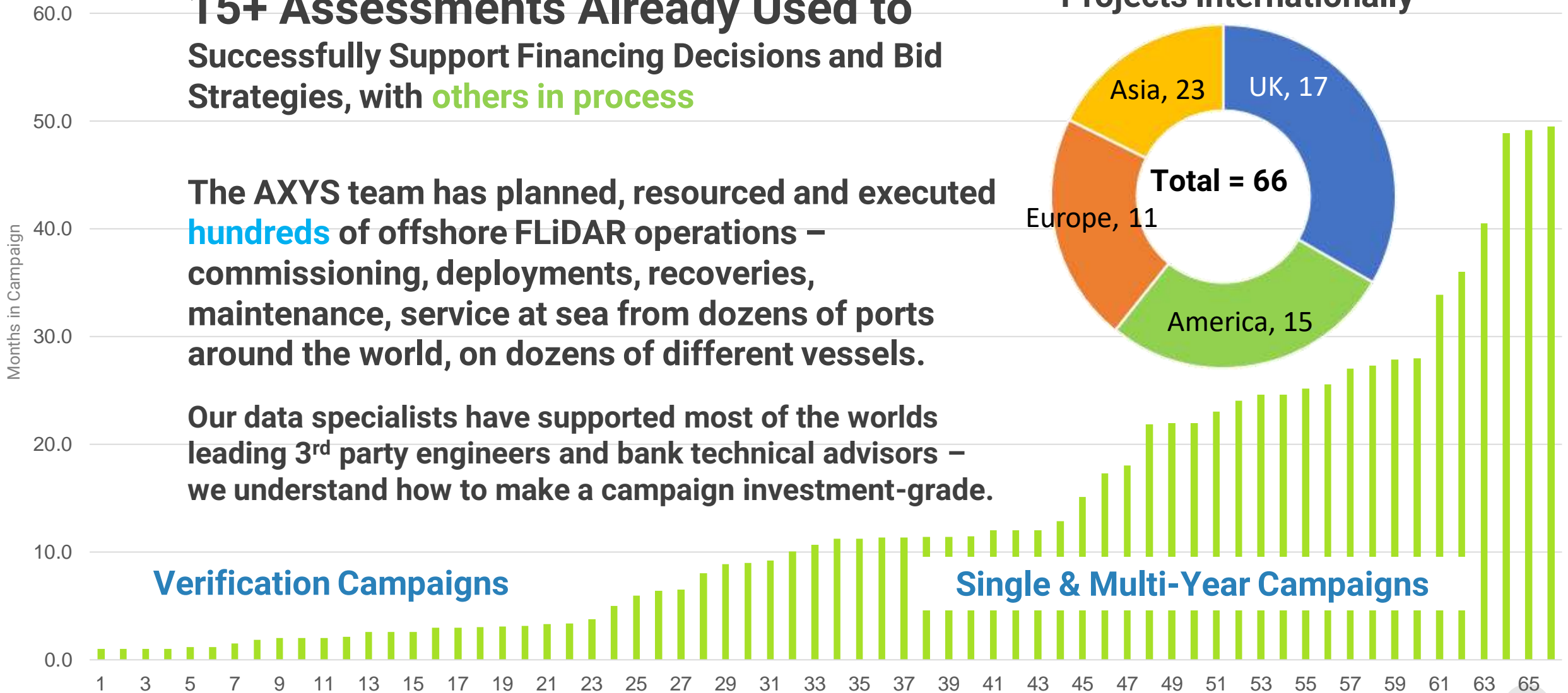
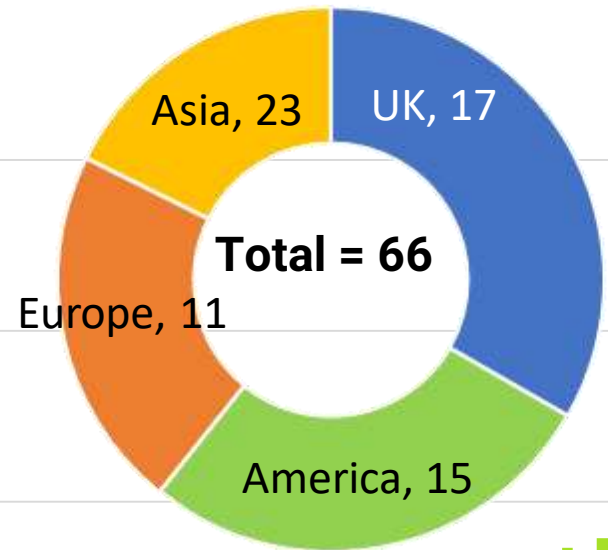
AXYS Experience - 66 Data Campaigns and Counting

15+ Assessments Already Used to Successfully Support Financing Decisions and Bid Strategies, with others in process

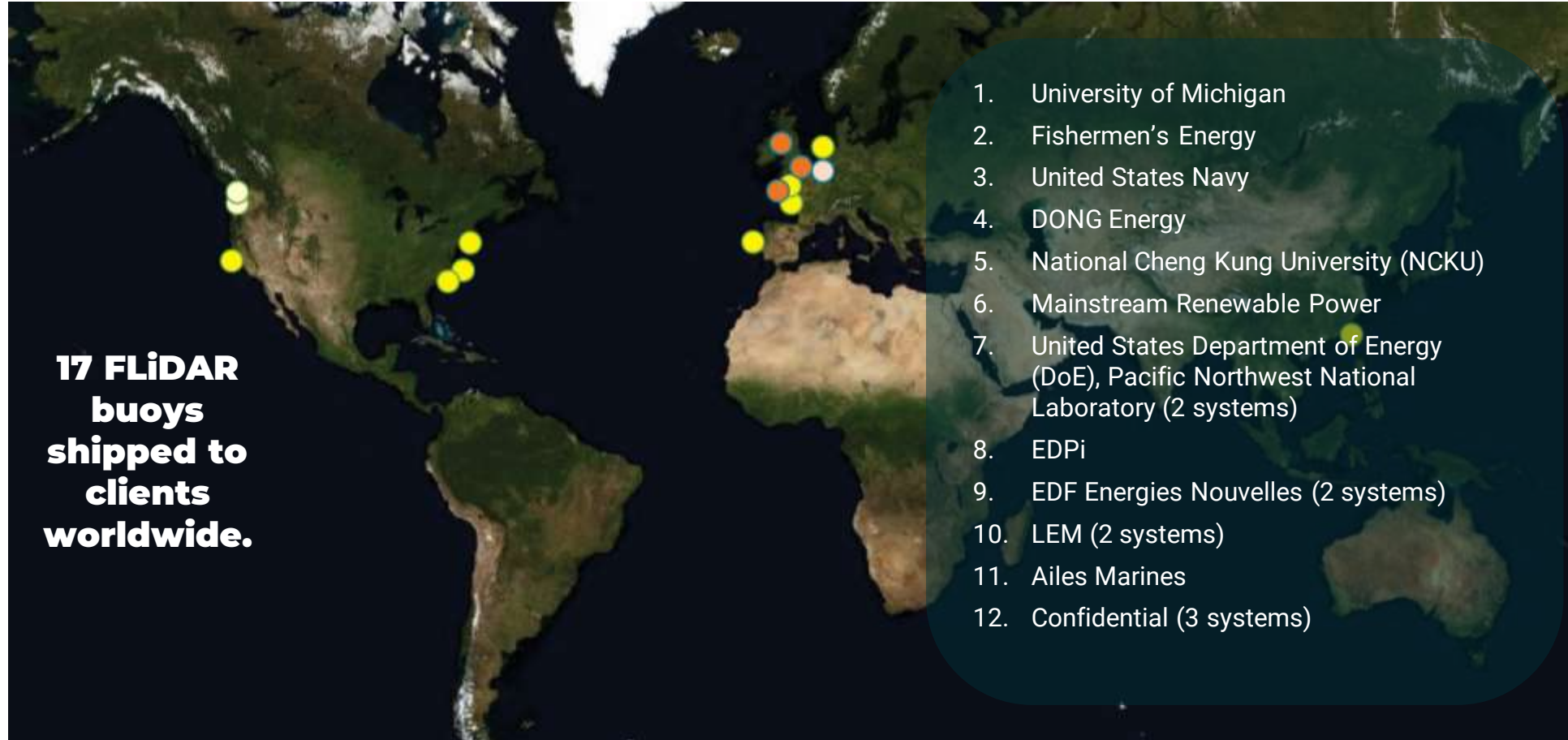
The AXYS team has planned, resourced and executed **hundreds** of offshore FLiDAR operations – commissioning, deployments, recoveries, maintenance, service at sea from dozens of ports around the world, on dozens of different vessels.

Our data specialists have supported most of the worlds leading 3rd party engineers and bank technical advisors – we understand how to make a campaign investment-grade.

Projects Internationally



Wind Assessment - Commercial References



AXYS DaaS Overview

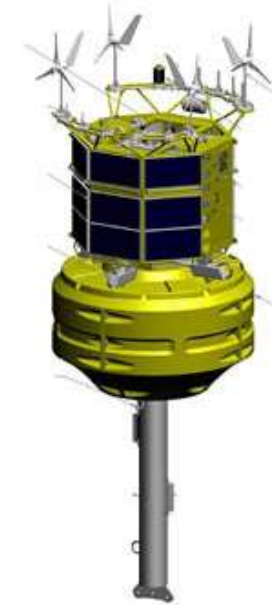
Floating LiDAR

Floating LiDAR

- Integrated with LiDAR to accurately measure wind speed & wind direction at turbine hub-height and across the blade span
- Multi-year Data as a Service campaigns provide reliable and cost-effective data collection



FLiDAR WindSentinel
6m Length, 3.1m Width, 9m Height
8100Kg



FLiDAR 4M
3.6m Width, 9.7m Height
6200Kg

Core Business

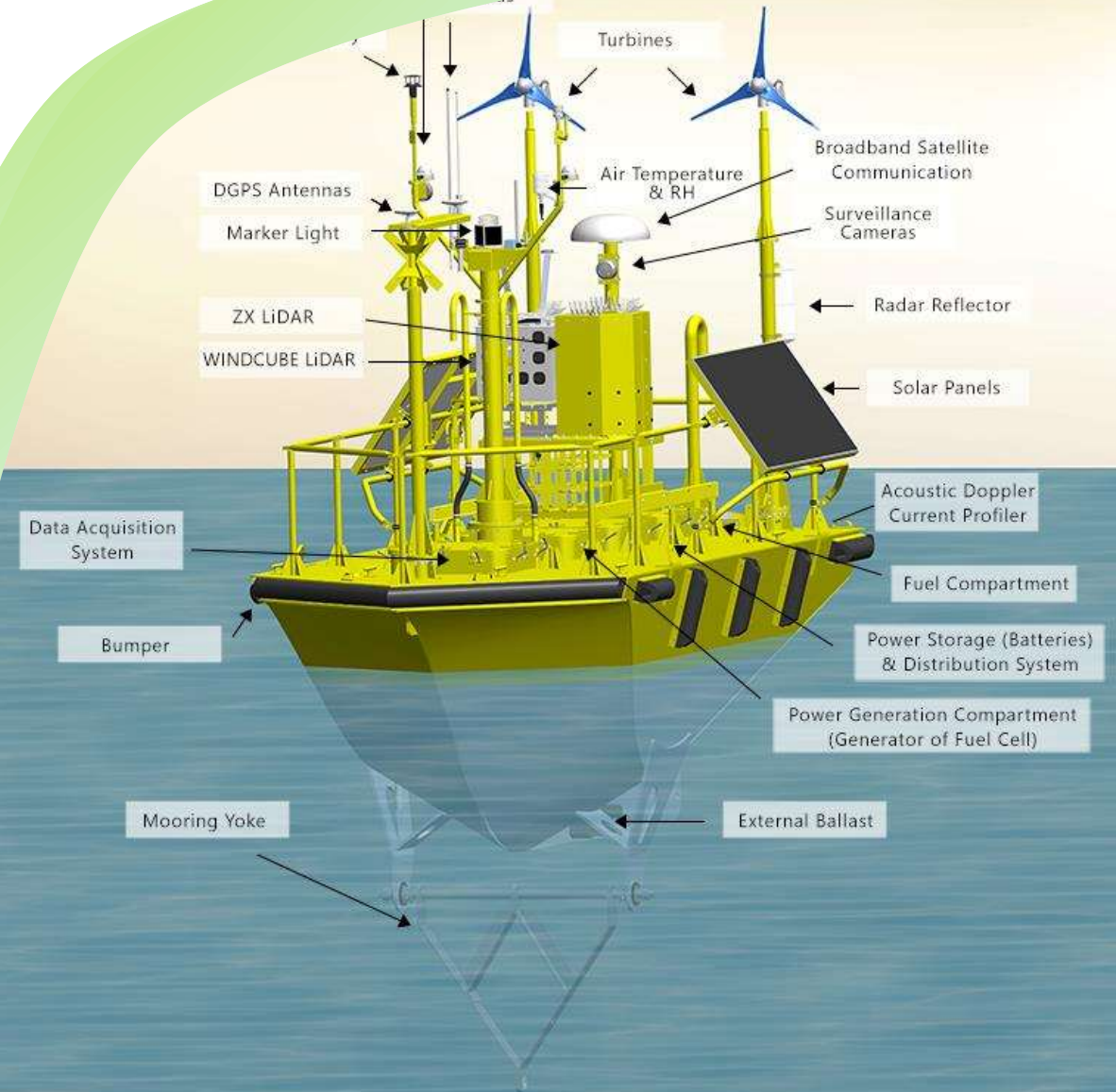
We provide three levels of **environmental data acquisition solutions** which help our clients collect and manage real-time, reliable, high-quality data.

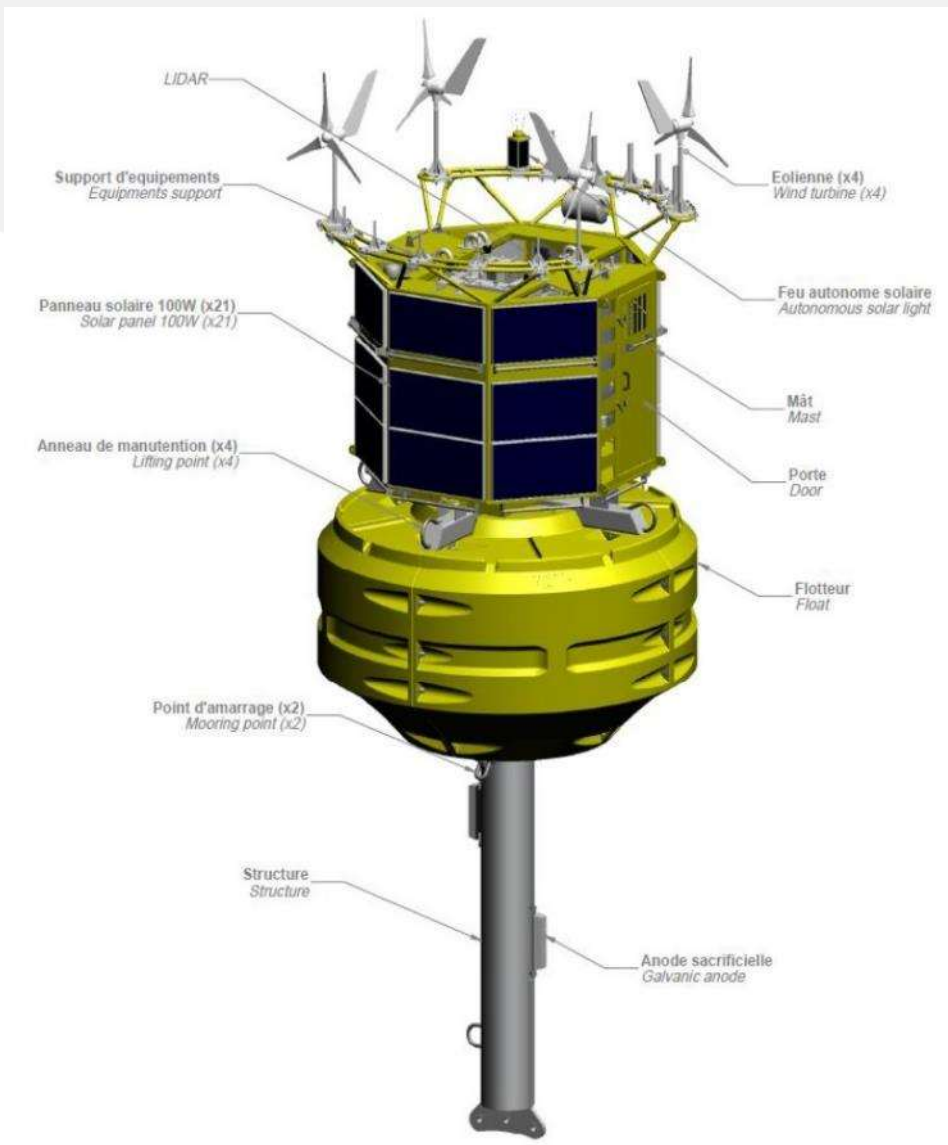
- » **Measurements** - We design, manufacture and service a range of proven wave & metocean buoys that use the best sensors available on the market
- » **Data transmission and storage** - Through our 50 years of experience we have developed best in case telemetry and data management
- » **Analytics** - We offer AXYS-Analytic Portal Services (AXYS-APS) to help our customers easily analyze and interpret their data

Most Durable Design in the Industry

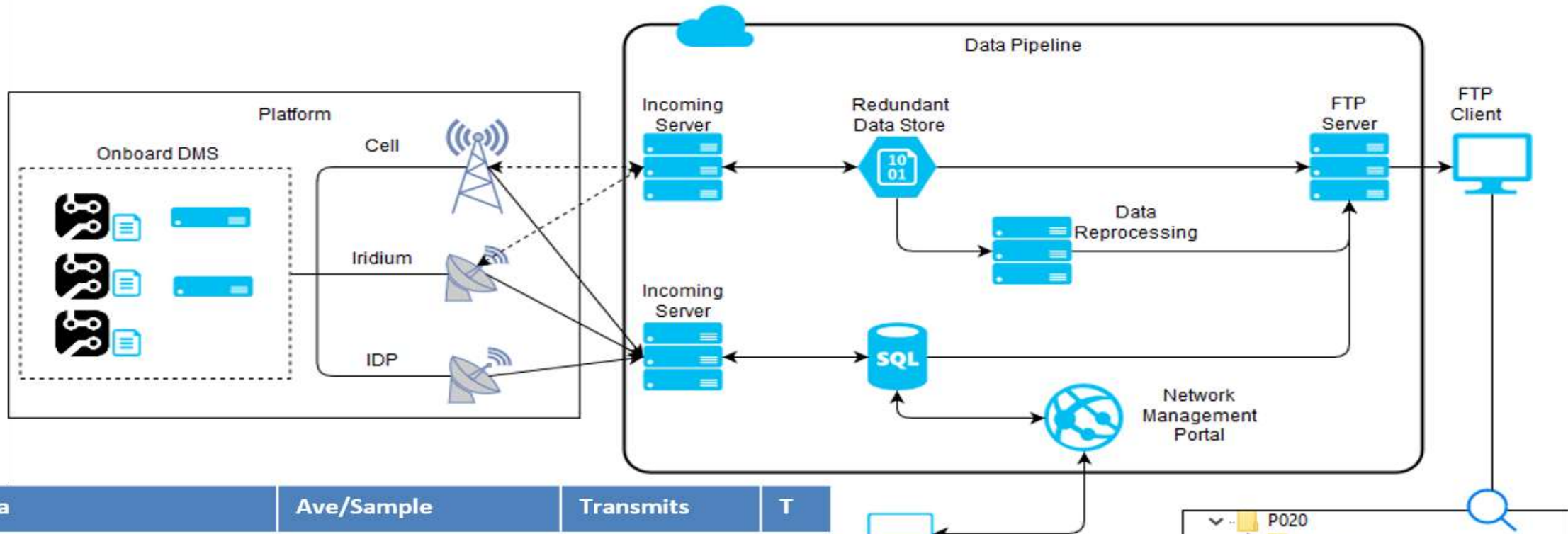
Redundancy in LiDARs, orientation sensors, data storage, power systems & more

- Strong Hull Designed to Orient to Waves
- Multiple Layers of Sensor & Power Redundancy
- Designed for 12 months of service w/o maintenance
- Successful in High Winds, High Waves, Rain, Currents, Vessel Strikes
- Successful in High Winds, High Waves, Rain, Currents, Vessel Strikes

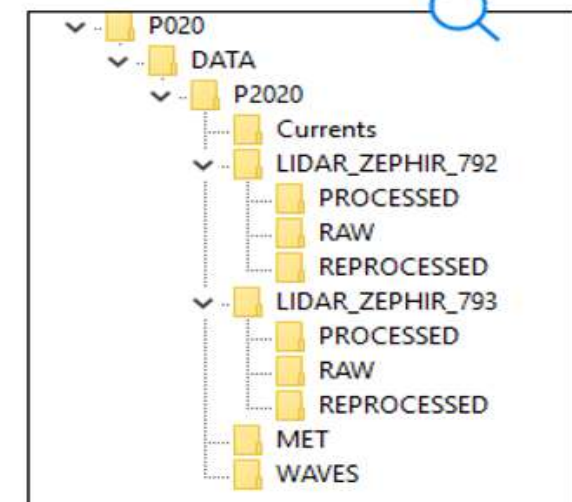
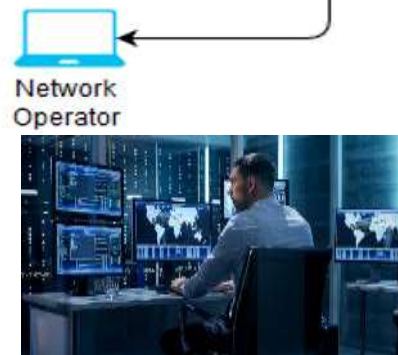




AXYS Data Network and 24/7 Quality Monitoring



Data	Ave/Sample	Transmits	T
Buoy Processed LiDAR Data	10 min	10 min	HB
Met/Current data	10 min	10 min	LB
Wave Data	20 min	20 min	LB
Heading Data	100msec	10min	HB
Rinex (Water Elevation)	1sec	60 min	HB
LiDAR Raw Unadjusted	1sec, 10 unadjusted	Zip file 1/day	HB
Camera Images	5-10 min	3-4/day	HB



24/7 Operations

- **Automated Monitoring** of all buoys with alarms and alerts
- **Daily Check** on health of each buoy and data pipeline
- **Remote Intervention** to reduce risk from most issues
- **Maintenance Schedule** management.
- **In-Country Spares** and service capabilities
- **Weekly Updates** on project status
- **Monthly Reports** on data availability



Accurate, Reliable, Complete Wind & MetOcean Datasets



 **95%**
or more annual
data availability

Zero
LTIFR & TRIR

Below 4%
Verified uncertainty rates

 **Certified to Carbon
Trust Standards**
against multiple Met Masts

 **Proven rugged buoy design
performs** even in the harshest
marine environments

 **Robust
Redundant
Systems**

850+
Commercial campaign months
*As of August 2021





Deck layout



Small buoy on U-mooring design



Anchors

AXYS Offshore Wind Clients



AXYS Offshore Wind Clients



Confidential



Ailes Marines S.A.S.





Thank you!

Your innovative partner in remote environmental monitoring.
ACCURATE. RELIABLE. COMPLETE.

www.axys.com