

# Unveiling Planet Ocean



**Just Innovation**  
STRATEGIC SOLUTIONS FOR COMPLEX TECHNOLOGIES

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# Tech Vision

## 1. Data Collection tools

- Robotics:
  - wind, wave, and solar powered uncrewed vessels,
  - launch and recovery
  - networked systems and charging stations
- Drifters
- New Innovations and Disruptions

## 2. Data management systems

- Ecosystem ala Google maps
- New inclusive communities and citizen surveyors

## 3. Use Cases

- Shipping
- Recreation
- Climate

# Tech Vision: Goal Summaries

## 1. Data Collection tools

- Robotics:
  - wind, wave, and solar powered uncrewed vessels - **Survey USVs as common as Argo drifters today**
  - launch and recovery - **10 USVs per 1 crewed OSV**
  - networked systems and charging stations - **100 stations deployed globally**
- Drifters - **3,000 survey drifters**
- New Innovations and Disruptions - **100 open-source providers (new survey tech)**

## 2. Data management systems

- Ecosystem ala Google maps - **Seabed 2030 is the “basemap” of a “Google ocean maps”**
- New inclusive communities and citizen surveyors - **Open source AI&ML tools for “all things ocean”**

## 3. Use Cases

- Shipping - **Shipping transport = 75% carbon neutral**
- Recreation - **Every diver and dive boat improves “global ocean” maps**
- Climate - **society adapts to changing ocean/climate with economy driving ocean health**