WE TEST PRODUCTS WHERE THEY ARE ACTUALLY USED

Continuous real-world testing across extreme environments

Expedition Audacity Research Foundation
Global Expedition Programme
Continuous expedition operations, not short-term deployments

THE PROBLEM

Real-world conditions introduce variables that are difficult to replicate:

- Saltwater exposure
- Continuous vibration
- Temperature extremes
- Extended, uninterrupted use
- No access to replacement or repair

These conditions are rarely experienced together during standard testing.

WHAT WE DO

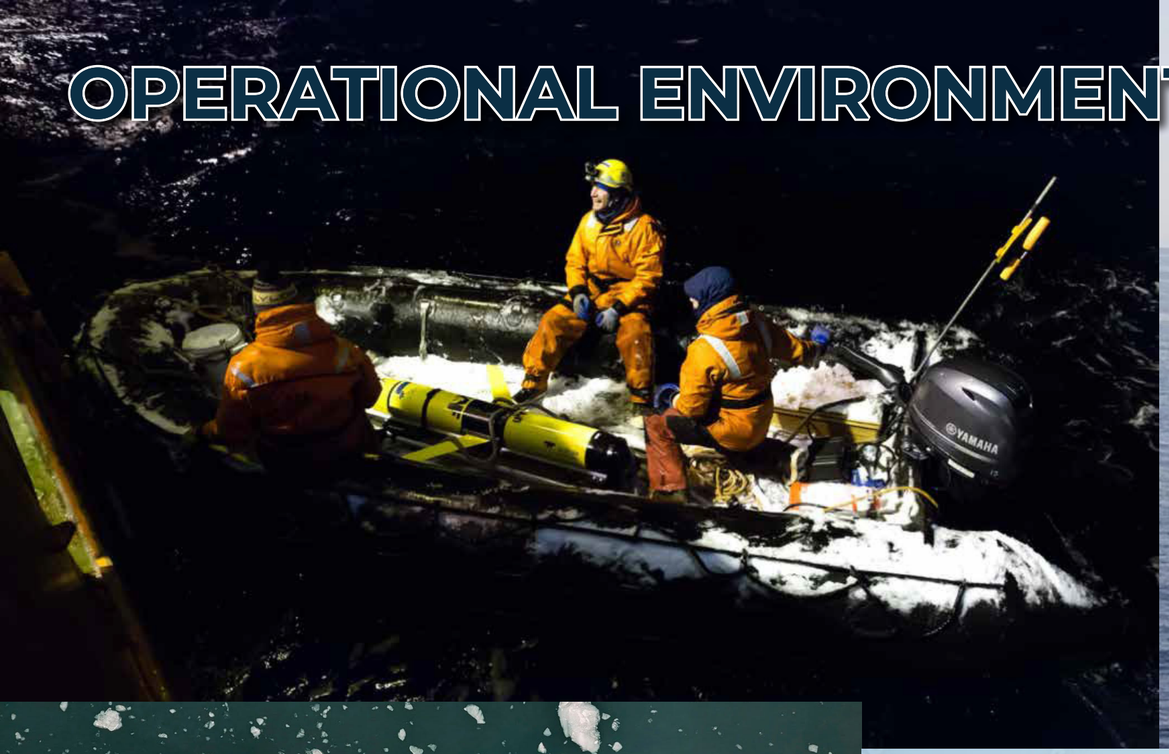
We integrate partner equipment directly into expedition operations.

- Used continuously, not intermittently
- Operated under real workload, not test scenarios
- Deployed across multiple environments within a single programme

Integrated into real operations. Not separate testing.

We remove reset conditions typically present in testing environments.

OPERATIONAL ENVIRONMENTS



Multiple extremes. One programme.

- Arctic / sub-Arctic
- Open ocean
- Coastal systems
- Tropical regions
- Long-duration offshore

Same equipment. Different stress profiles.

Single system. Multiple stress profiles. No reset conditions.

WHERE WE FOCUS

Where We Deliver the Most Value

Testing Categories

- Marine and navigation systems
- Power and energy systems
- Sensors, research, and imaging equipment
- Media and production technology
- Outdoor and technical gear

HOW TESTING WORKS

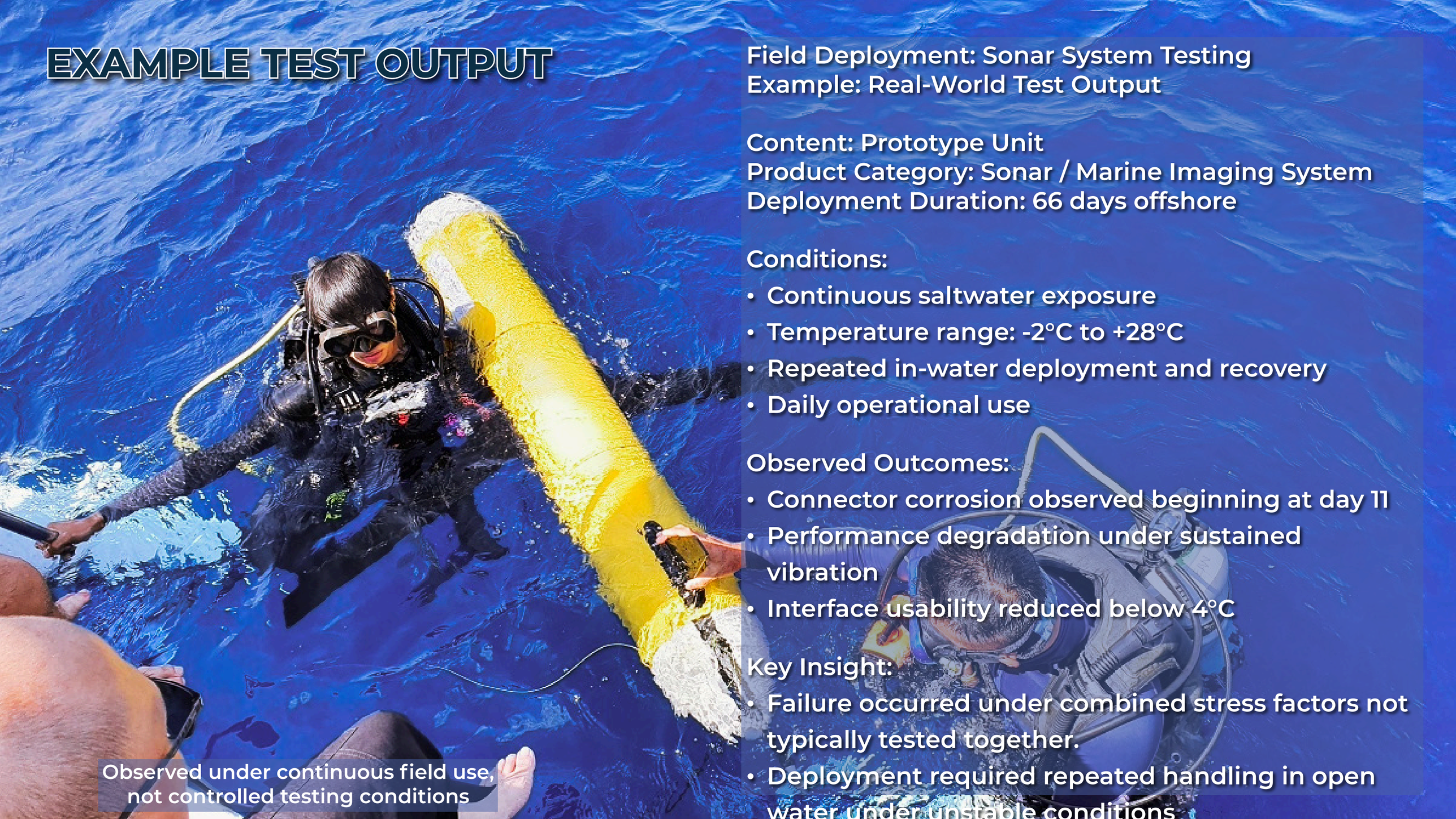
1. Equipment integrated into operational systems
2. Continuous use during expedition activities
3. Environmental and usage conditions logged
4. Performance observations recorded
5. Findings compiled into structured feedback

Optional:

- Partner-defined test parameters
- Mission-specific deployments

Designed to reflect real operational use rather than isolated testing scenarios

EXAMPLE TEST OUTPUT



Observed under continuous field use, not controlled testing conditions

Field Deployment: Sonar System Testing
Example: Real-World Test Output

Content: Prototype Unit
Product Category: Sonar / Marine Imaging System
Deployment Duration: 66 days offshore

Conditions:

- Continuous saltwater exposure
- Temperature range: -2°C to +28°C
- Repeated in-water deployment and recovery
- Daily operational use

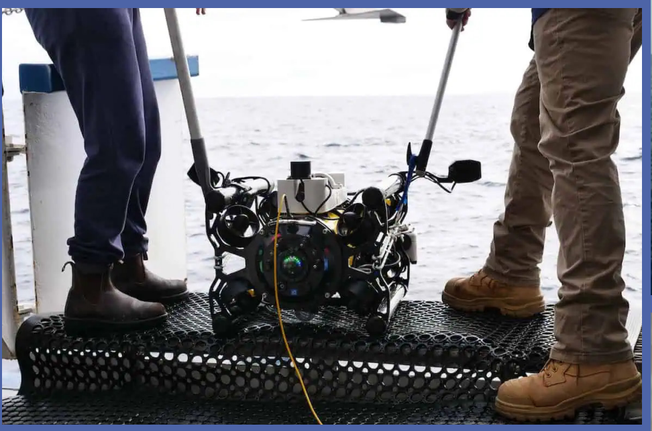
Observed Outcomes:

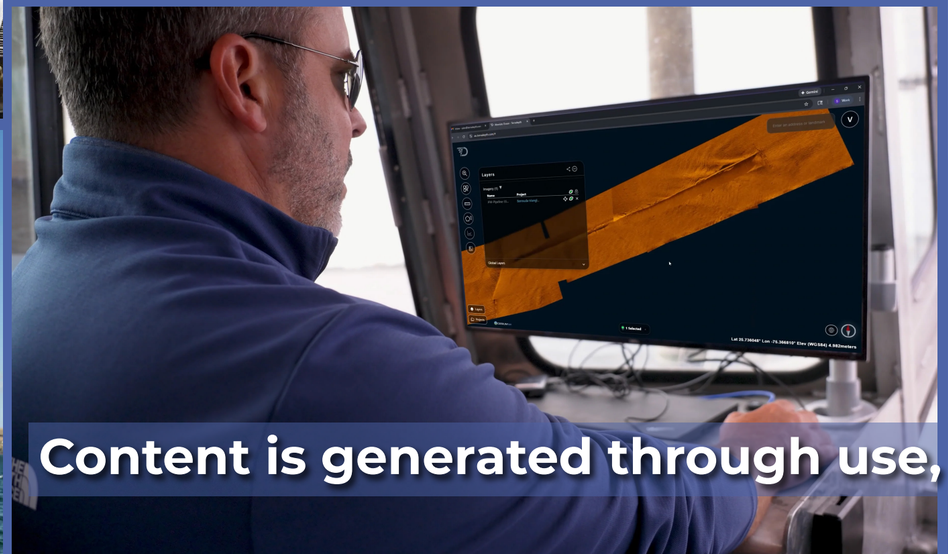
- Connector corrosion observed beginning at day 11
- Performance degradation under sustained vibration
- Interface usability reduced below 4°C

Key Insight:

- Failure occurred under combined stress factors not typically tested together.
- Deployment required repeated handling in open water under unstable conditions

WHAT PARTNERS RECEIVE & GAIN





Engineering Output

- Structured performance report
- Failure and stress-point log
- Environmental condition context
- Long-duration usage observations

Content Output

- Photo and video captured during real operations for partner use
- Natural product integration
- Optional case study material
- Used by both product teams and brand teams

Content is generated through use, not staging

WHAT THIS ENABLES FOR PARTNERS

PRODUCT & ENGINEERING

- Identify failure points earlier in the product lifecycle
- Validate performance under combined stress conditions
- Improve reliability before wider deployment
- Reduce the gap between design assumptions and real-world use

BRAND & COMMUNICATIONS

- Real-world product visibility in expedition environments
- Authentic use within documentary and digital content
- Association with credible field operations
- Content derived from actual use, not staged scenarios

Content is captured in use and distributed through expedition, documentary, and digital media channels with an engaged audience.

One programme. Two outcomes: product validation and real-world visibility—across product and brand teams.

How This Improves Product Performance

Field conditions compress time.

- Continuous exposure
- Limited maintenance
- No margin for failure

If a product performs here, it is ready for real-world deployment.

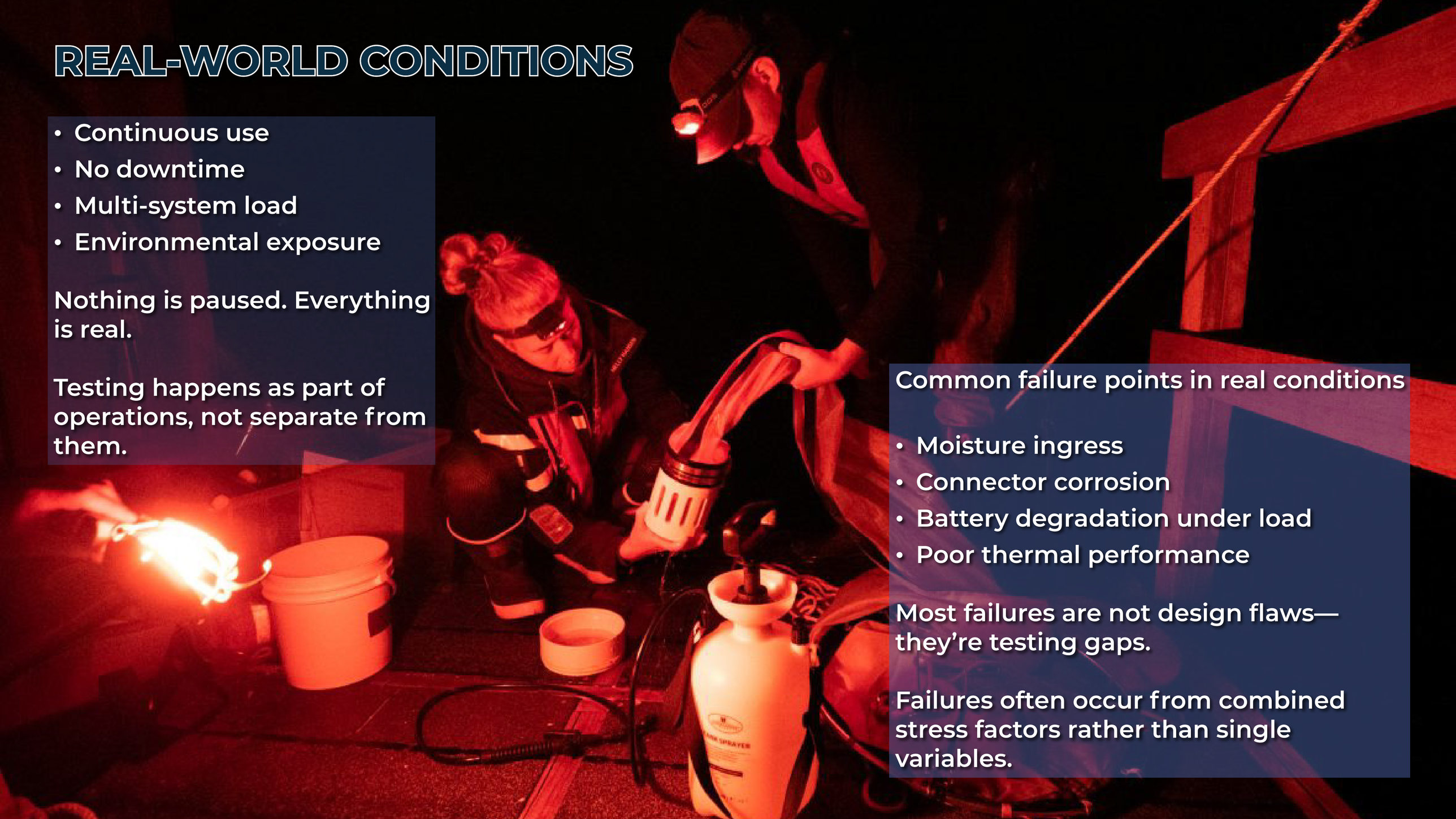
This reduces the gap between design assumptions and real-world performance.

REAL-WORLD CONDITIONS

- Continuous use
- No downtime
- Multi-system load
- Environmental exposure

Nothing is paused. Everything is real.

Testing happens as part of operations, not separate from them.



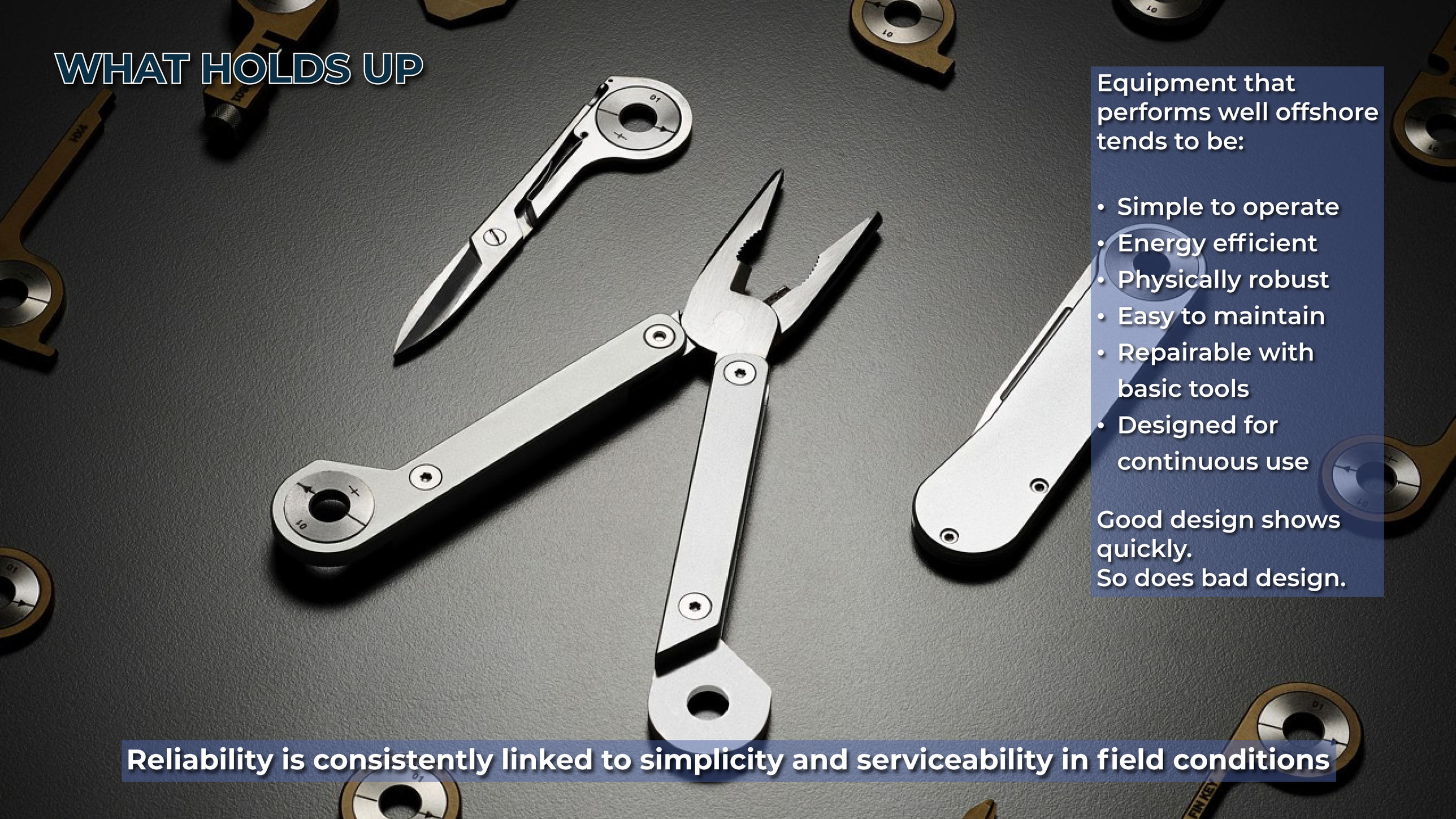
Common failure points in real conditions

- Moisture ingress
- Connector corrosion
- Battery degradation under load
- Poor thermal performance

Most failures are not design flaws—they’re testing gaps.

Failures often occur from combined stress factors rather than single variables.

WHAT HOLDS UP



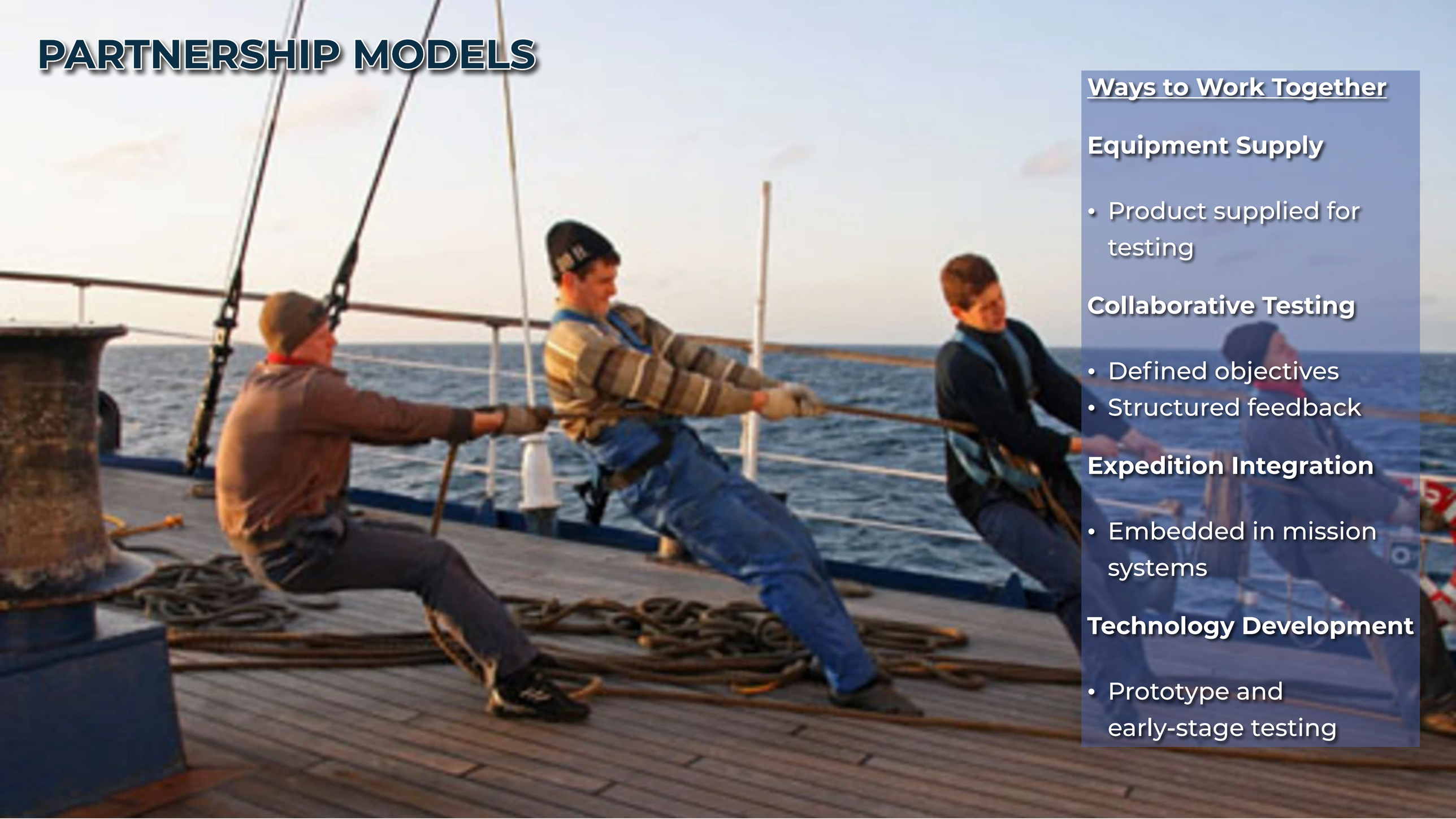
Equipment that performs well offshore tends to be:

- Simple to operate
- Energy efficient
- Physically robust
- Easy to maintain
- Repairable with basic tools
- Designed for continuous use

Good design shows quickly.
So does bad design.

Reliability is consistently linked to simplicity and serviceability in field conditions

PARTNERSHIP MODELS



Ways to Work Together

Equipment Supply

- Product supplied for testing

Collaborative Testing

- Defined objectives
- Structured feedback

Expedition Integration

- Embedded in mission systems

Technology Development

- Prototype and early-stage testing

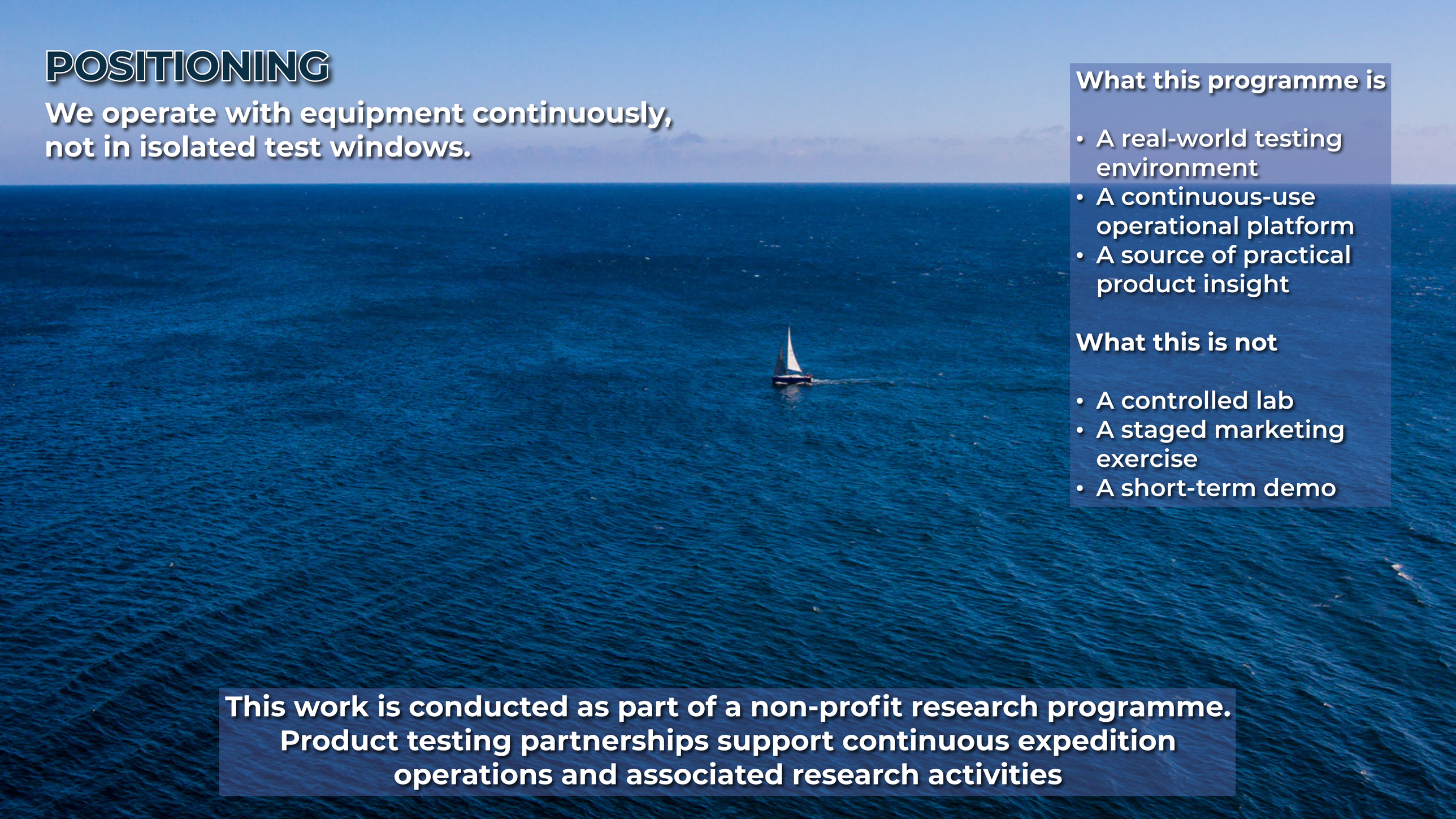
WHO THIS IS FOR

Relevant for teams building products that cannot fail in real conditions

- Outdoor and technical gear companies
- Marine equipment manufacturers
- Consumer electronics brands
- Energy and power providers
- Environmental technology companies
- Media and production equipment companies

POSITIONING

We operate with equipment continuously, not in isolated test windows.



What this programme is

- A real-world testing environment
- A continuous-use operational platform
- A source of practical product insight

What this is not

- A controlled lab
- A staged marketing exercise
- A short-term demo

This work is conducted as part of a non-profit research programme. Product testing partnerships support continuous expedition operations and associated research activities

WE TEST PRODUCTS WHERE THEY ARE ACTUALLY USED

If your equipment is expected to perform in real-world conditions, we can test it where those conditions actually exist.

We are currently preparing for upcoming expedition phases and onboarding select partners.

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