MIT Sailing System

Adam Traina, MS, MS, MBA

My Background - Designing High Performance Systems

Raytheon Technologies

Beth Israel Deaconess Medical Center

HARVARD MEDICAL SCHOOL TEACHING HOSPITAL

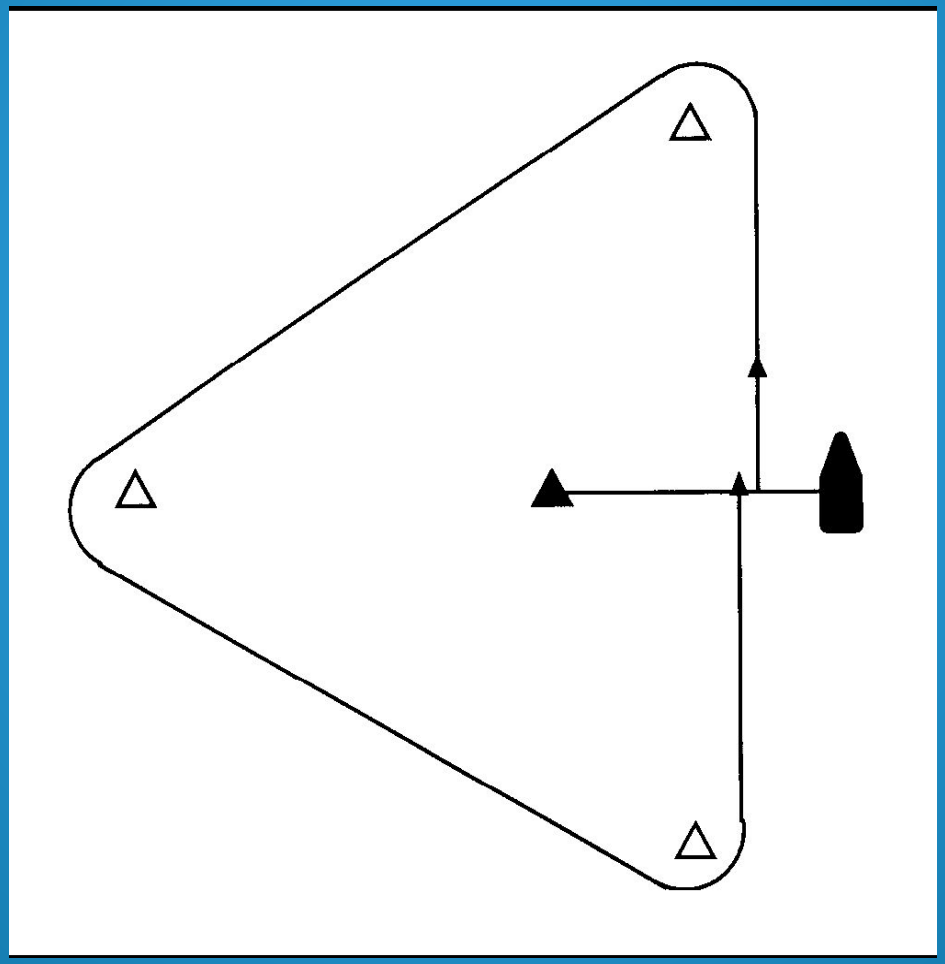
MIT LGO
Leaders for Global Operations

symbotic®

VE RI TAS

S·E·A

Competitive Environment: Triangle Course



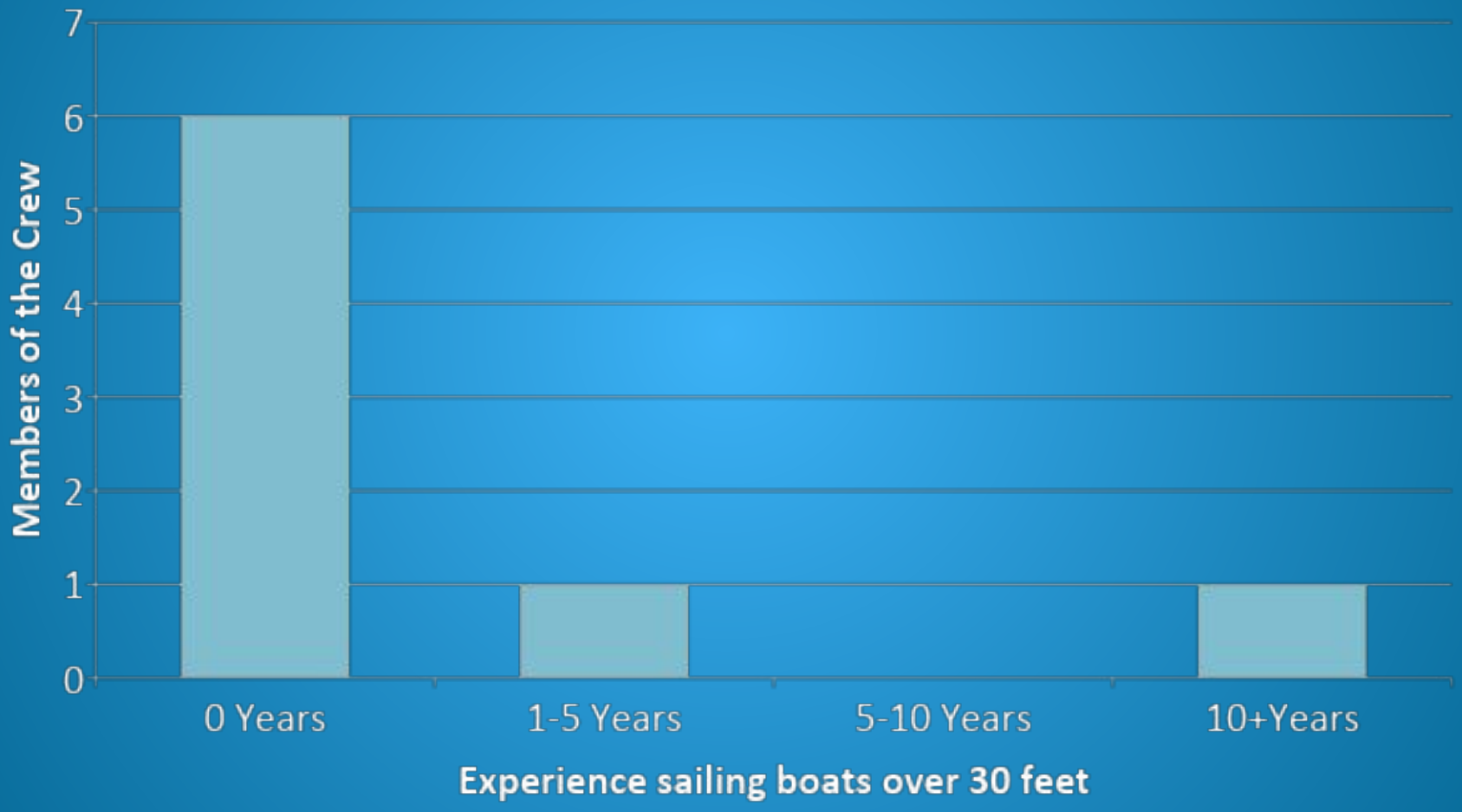
Management Environment

- Dynamic situations
- Many variables
- Few repeating situations

Year 1

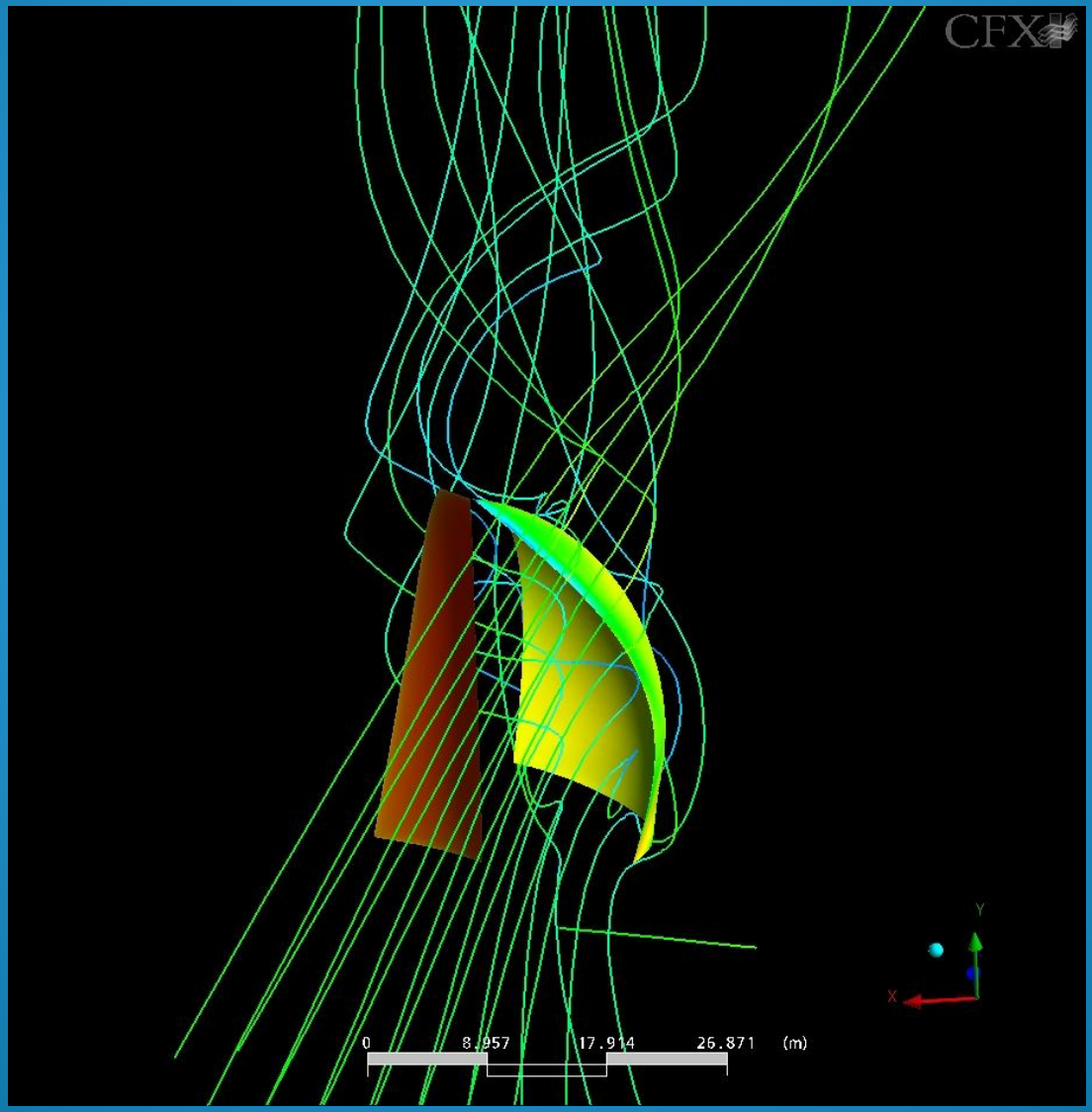
Learning the Ropes

Team Skills


Members of the Crew
7
6
5
4
3
2
1
0
0 Years
1-5 Years
5-10 Years
10+Years
Experience sailing boats over 30 feet

Fundamentals

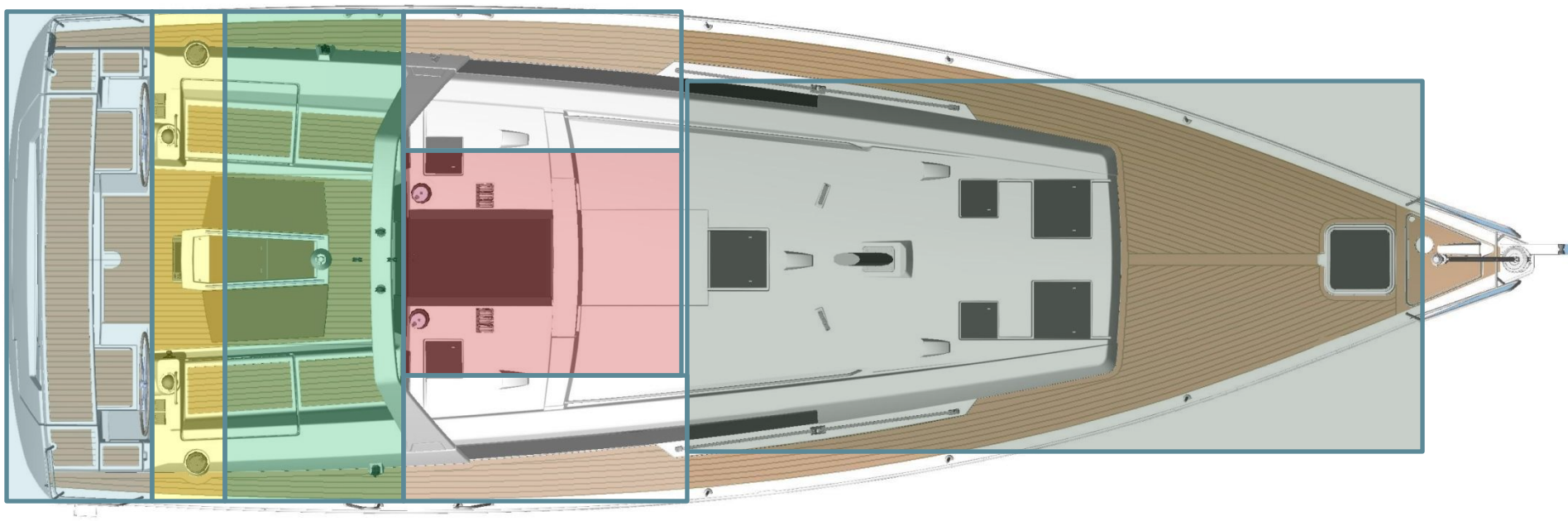
Sailing is complex



Noisy Indicators

One Shot Deployment

Distribute Responsibility

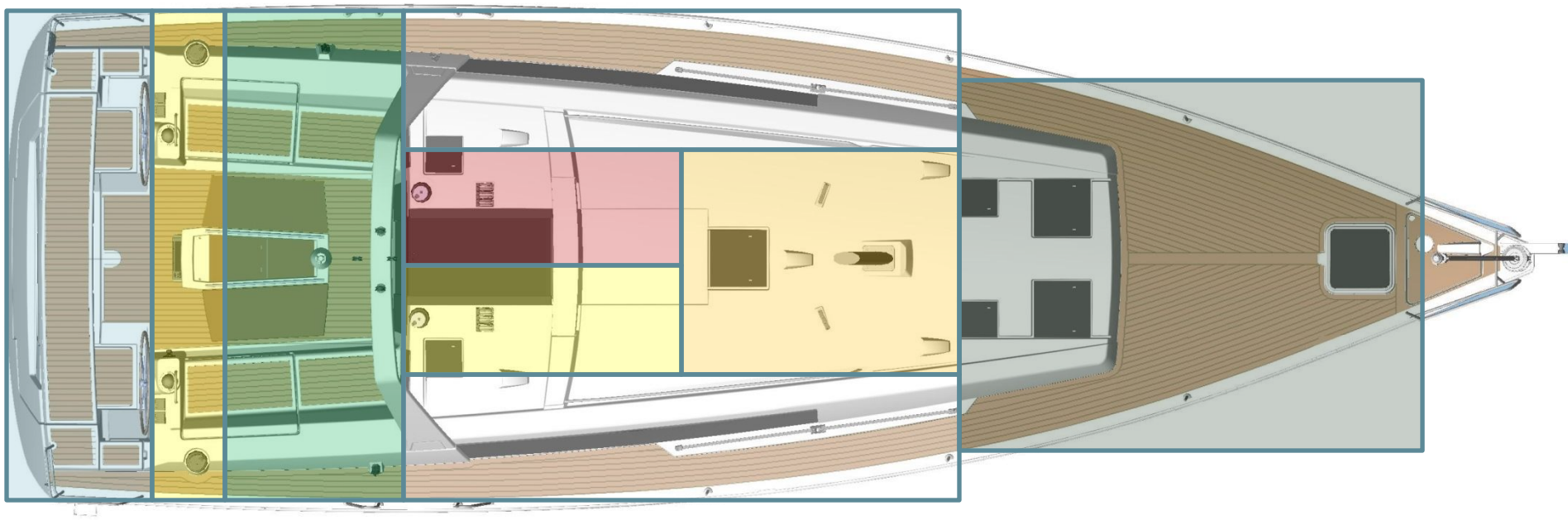


Getting Started

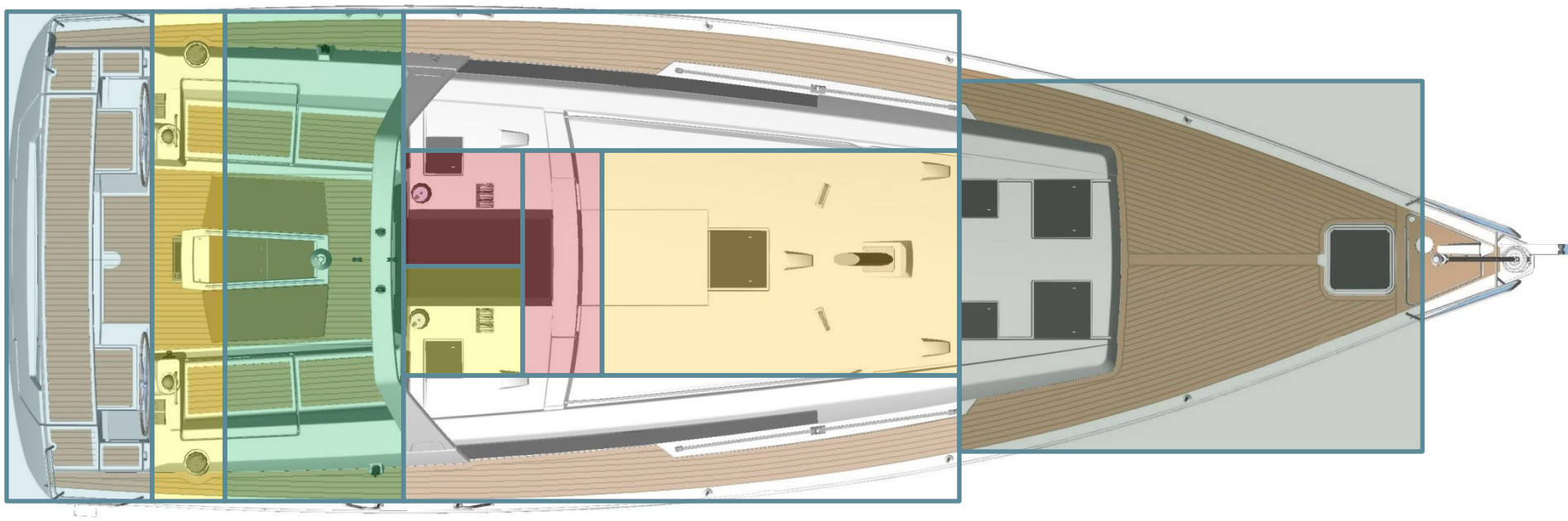
Expectations

Actual

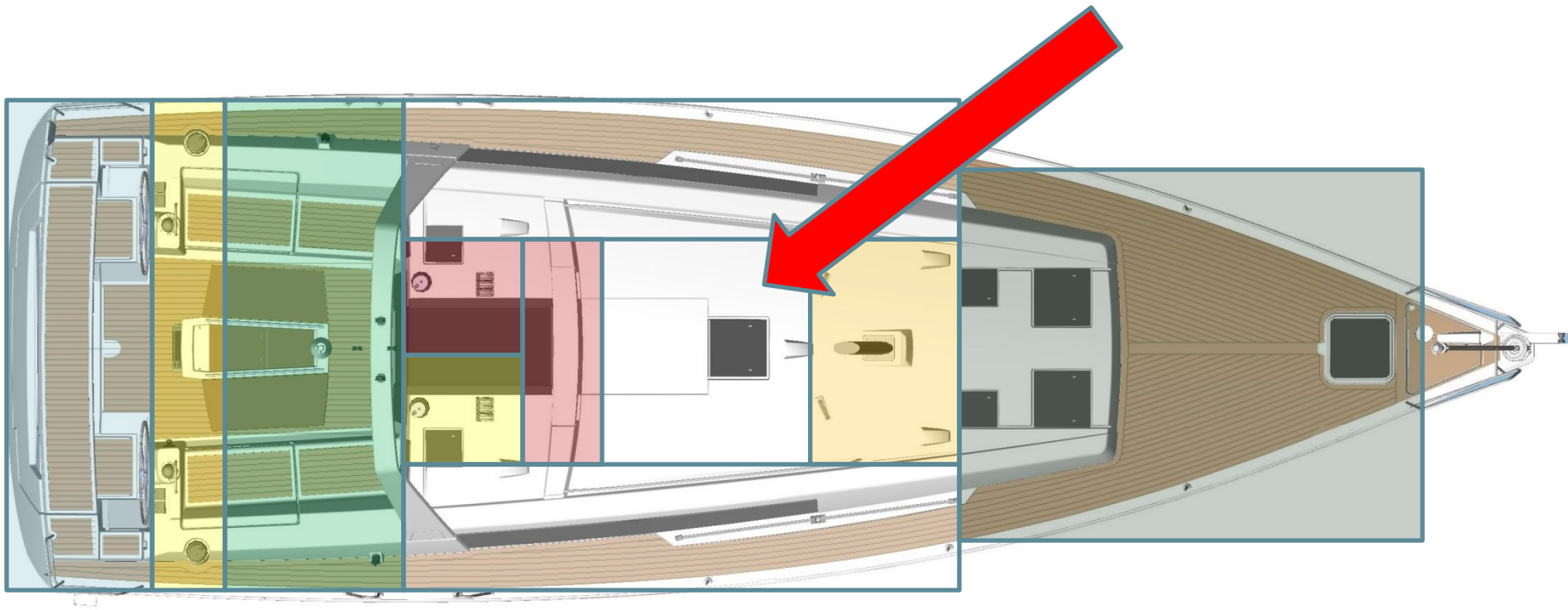
Re-Distribute Responsibility



Add Responsibility, Closed feedback



Safety and Lookout

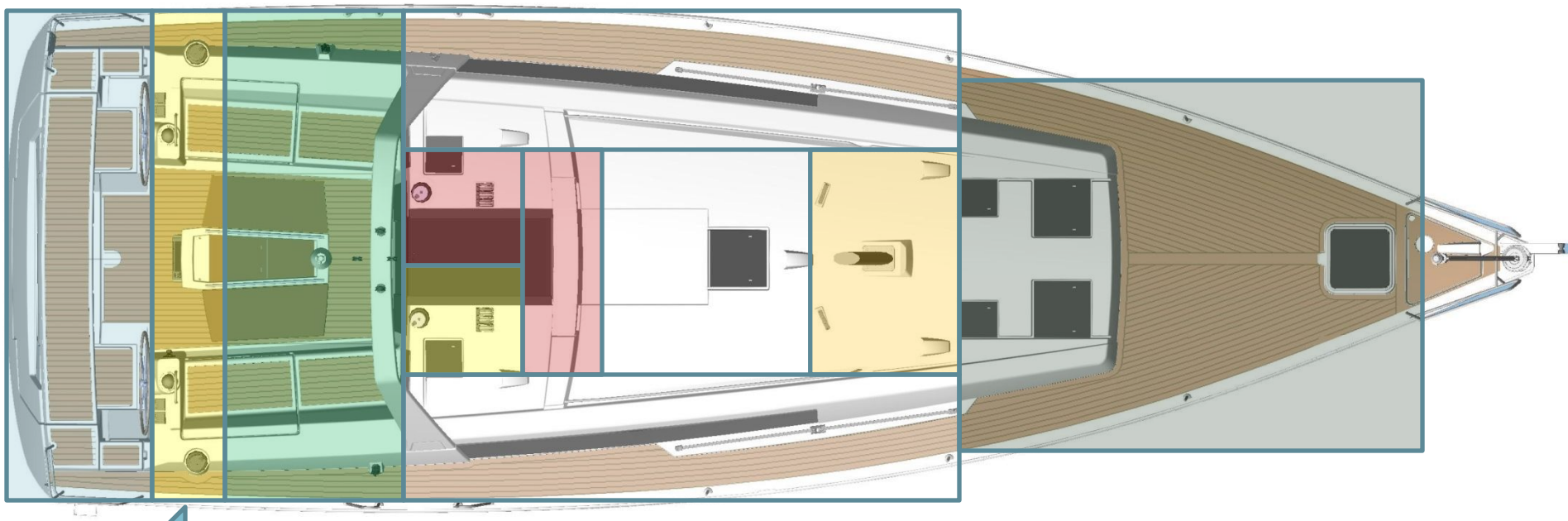


Year 2

Mission: Return home with more friends than we left with

Team Alignment

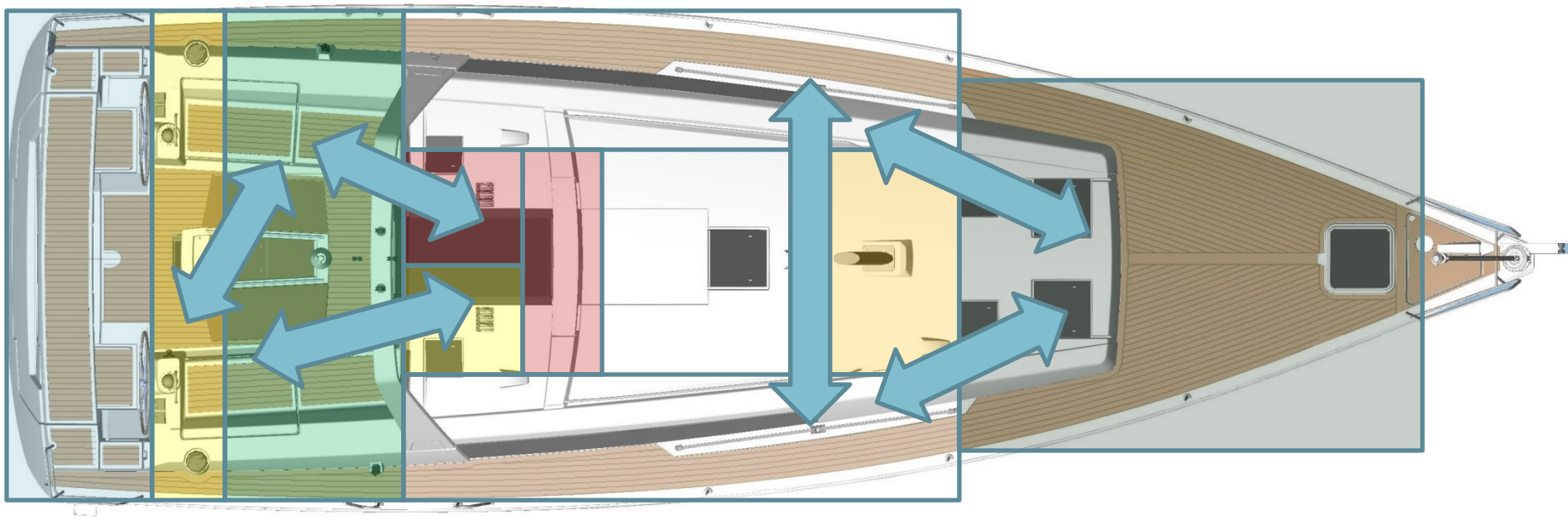
Traditional Communication



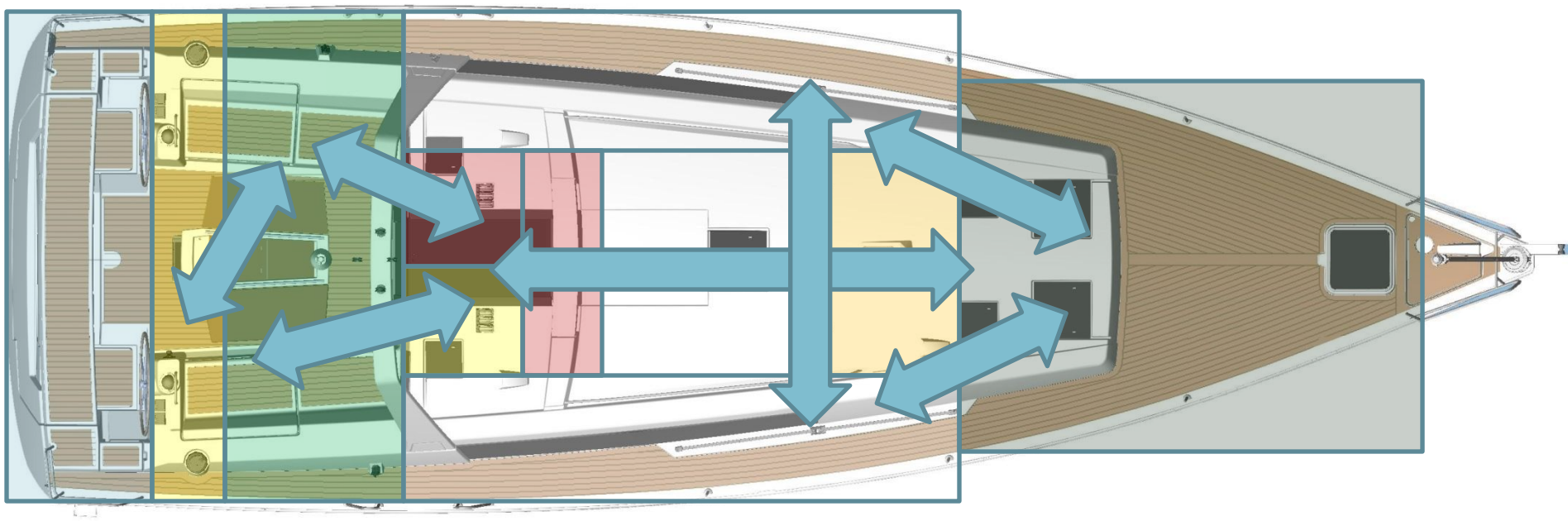
Flow of Information

Flow of Directions

Local Communication



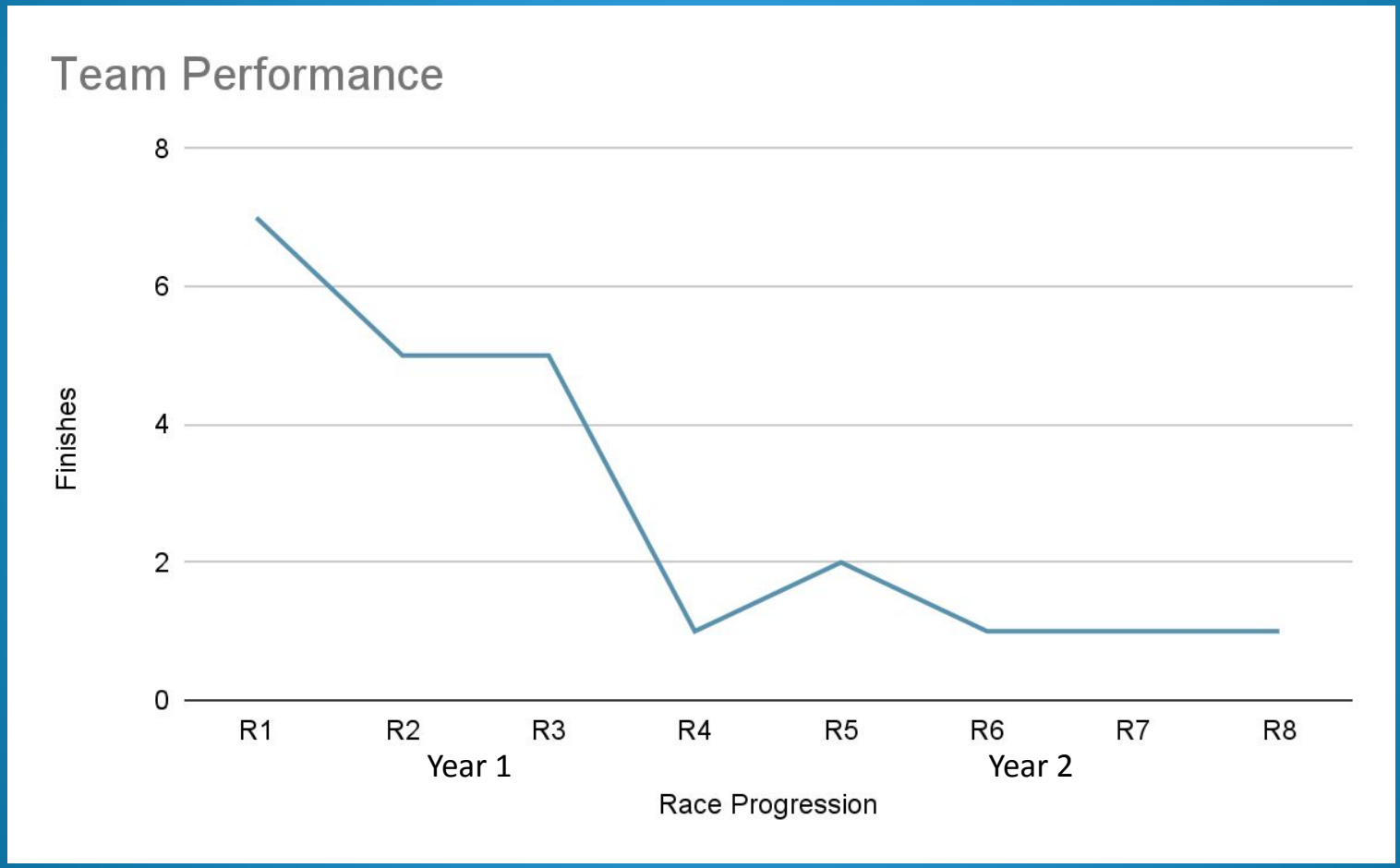
Distributed Communication



Agile

Stop The Boat

Rapid Improvement



The Finals

Results

Repeatability

New Boat

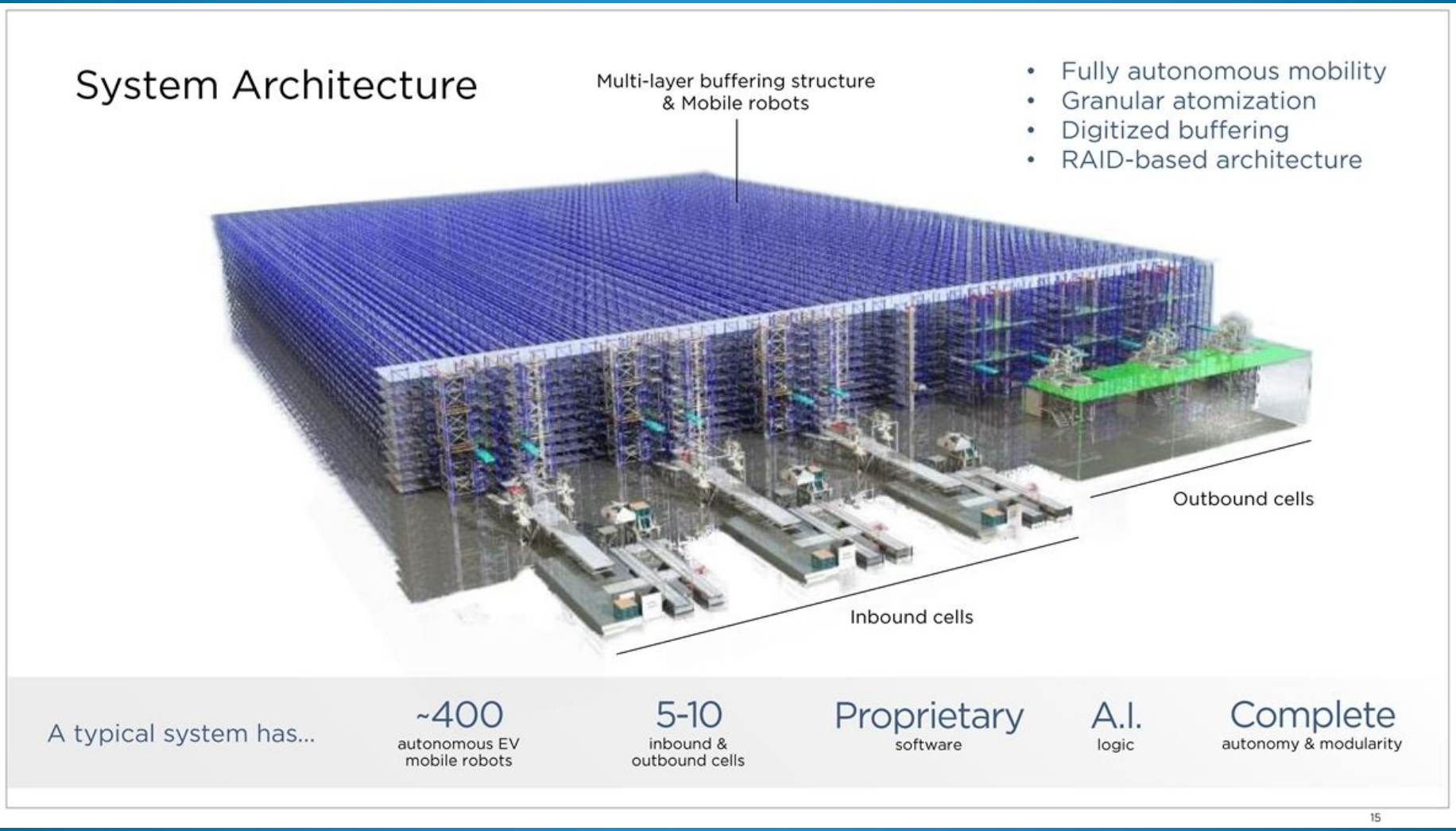
New Skippers

New Crew

High Performance System

2023 Pursuit Champions

Recent Work - AI Driven Teamwork



Quantitative System Design and Performance Optimization

Contact: adam@trainathoughtllc.com