System Objectives

- Simple for only 2 aboard at sea
  - Easy/no checklist
  - Auto operation & alerts
- Remote monitoring & control

Use Cases

- Alarms & Action
- Remote Ctrl & Reporting
- Real-Time Location to Web Site
- Watch Alarm
- Load Shedding
- Generator Autostart
- Auto Recovery
- Router Control

N2KConnector

- N2K data to DB
- < 1-sec cycle: fast update
- 4.5-sec cycle: full update
- 15-min cycle: location to web

N2KOutput

- Alerts & alarms
- Triggers
- Synthetic N2K devices
- 5-sec cycle
- Pluggable modules

DironaMonitor

- All non-N2K data to DB
- 5-sec cycle
- Pluggable modules

5 Raspberry Pis

- Digital input
- Digital output

Custom Router

- Auto WAN: WiFi, cell, satellite
- Remote access