

# RĀJANT

Extent your existing network with Cardinal and fix robotic communications while providing ubiquitous coverage inside factories and warehouses.

**The Future is Here.**



Rev B

RĀJANT

# AG1 Cardinal Module Enclosure Applications

## Application

- Robotics for warehouse automation

## Problems Solved

- Extend Wi-Fi range and coverage. No need for licensed frequencies.

## Integrator/Supplier

- ASTOR Mission Critical

## Design Challenges

- Size, proper mounting





# AG1 Cardinal Module Enclosure Applications

## Application

- Drone integration

## Problems Solved

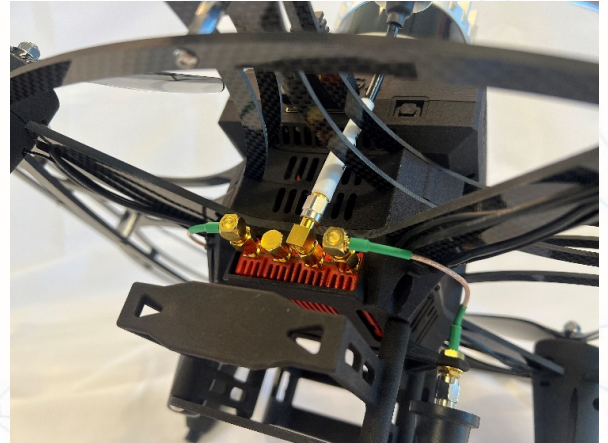
- Extend coverage and enable live motion

## Integrator/Supplier

- UVify

## Design Challenges

- Light weight, reliable comms



# AG1 Cardinal Module Enclosure Applications

## Application

- Wireless Point-to-Point
- For Oil&Gas, Mining, and Rural Broadband

## Problems Solved

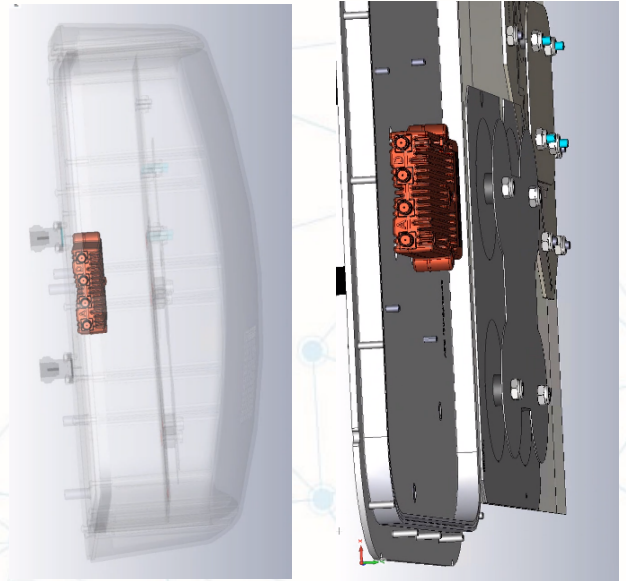
- Enable P2P mode and connect the unconnected

## Integrator/Supplier

- Rajant

## Design Challenges

- Long range comms, mounting





# AG1 Cardinal Module Enclosure Applications

## Application

- Indoor infrastructure

## Problems Solved

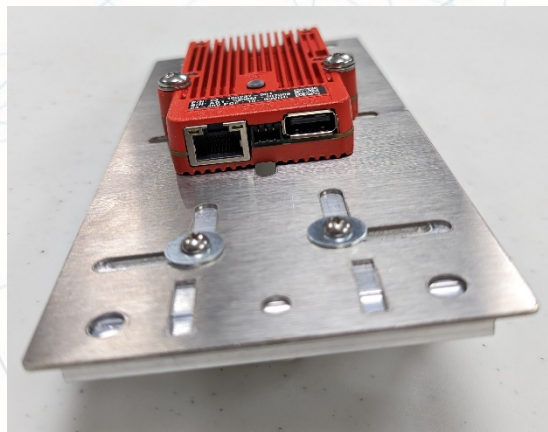
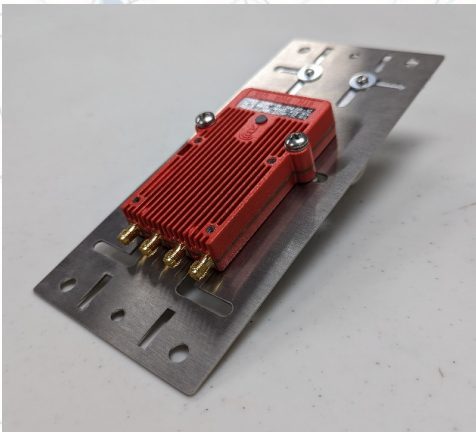
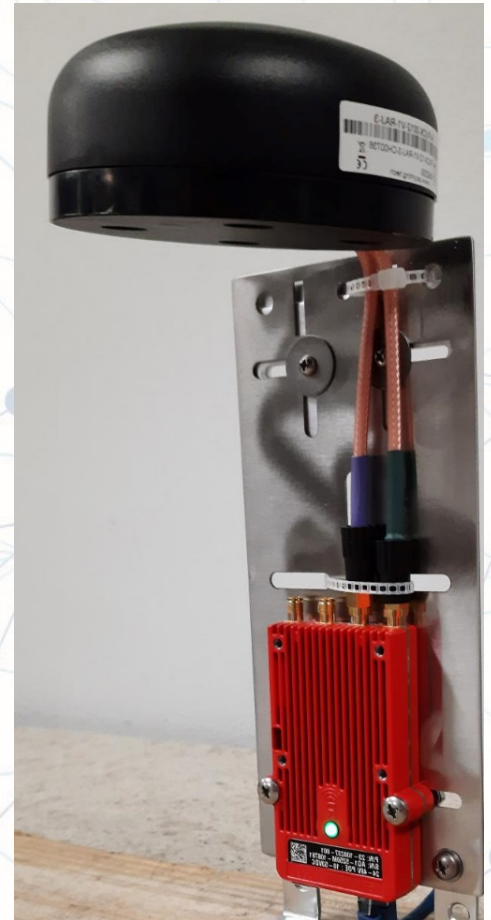
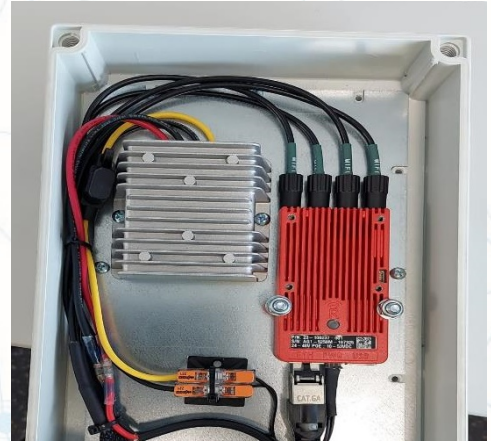
- Simplify infrastructure deployments

## Integrator/Supplier

- Connectronics, SRO

## Design Challenges

- Versatile mounting



# AG1 Cardinal Module Enclosure Applications

## Application

- Light-duty vehicles (LDV's) with ADAS: Collision avoidance and fatigue management systems

## Problems Solved

- Extend existing BreadCrumb network deployed on heavy-duty machines and infrastructure to safely ensure ADAS.

## Integrator/supplier

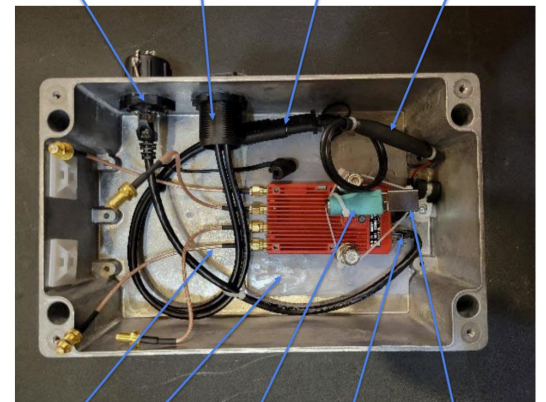
- NISI, Rajant

## Design Challenges

- Waterproofing
- Power
- Mag mounts



Ethernet Port - SAE Power Port w/ pigtail - Internal SAE connection - 3 amp inline fuse



Coax Jumpers - Thermal Pad - PS2 to USB Adaptor - AG1 Ethernet - 90 degree Adapted USB





# AG1 Cardinal Module Enclosure Applications

## Application

- Drill communications

## Problems Solved

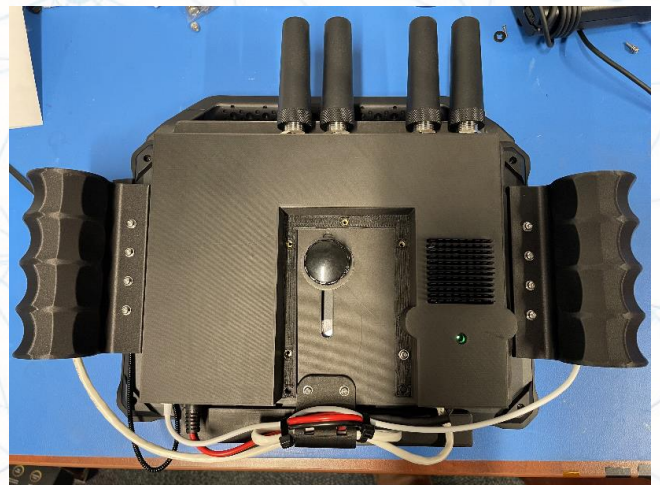
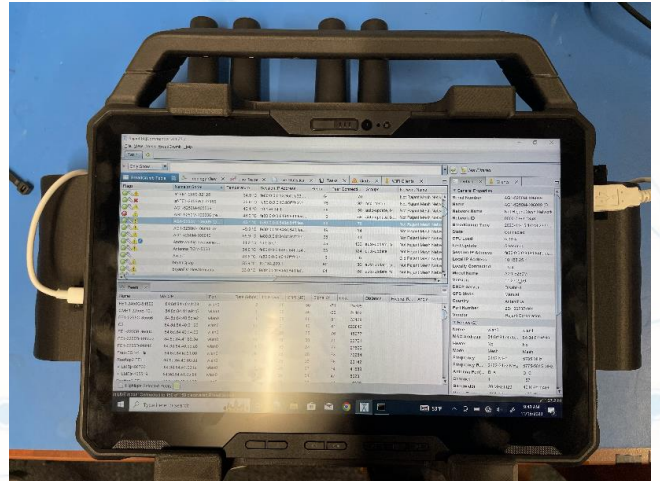
- Long range comms for drill control

## Integrator/Supplier

- Rajant

## Design Challenges

- Lightweight
- Battery power



# AG1 Cardinal Module Enclosure Applications

## Application

- Wearables
- Drop nodes
- Coaching headsets

## Problems Solved

- Hands-free equipment
- Fast-deployed networks
- Extend Wi-Fi and VoIP coverage

## Integrator/Supplier

- NISI, others

## Design Challenges

- Lightweight
- Battery power

Place your Cardinal  
orders today or request  
more information at  
[rajant.com](http://rajant.com)!

