



*Raising the
Standard*

- Company

NOCUS-7330 | Incoming storm

Hurricane season

16-02-2022

TAMPNET BUSINESS AREAS

Unparalleled connectivity for business critical operations.



Oil & Gas



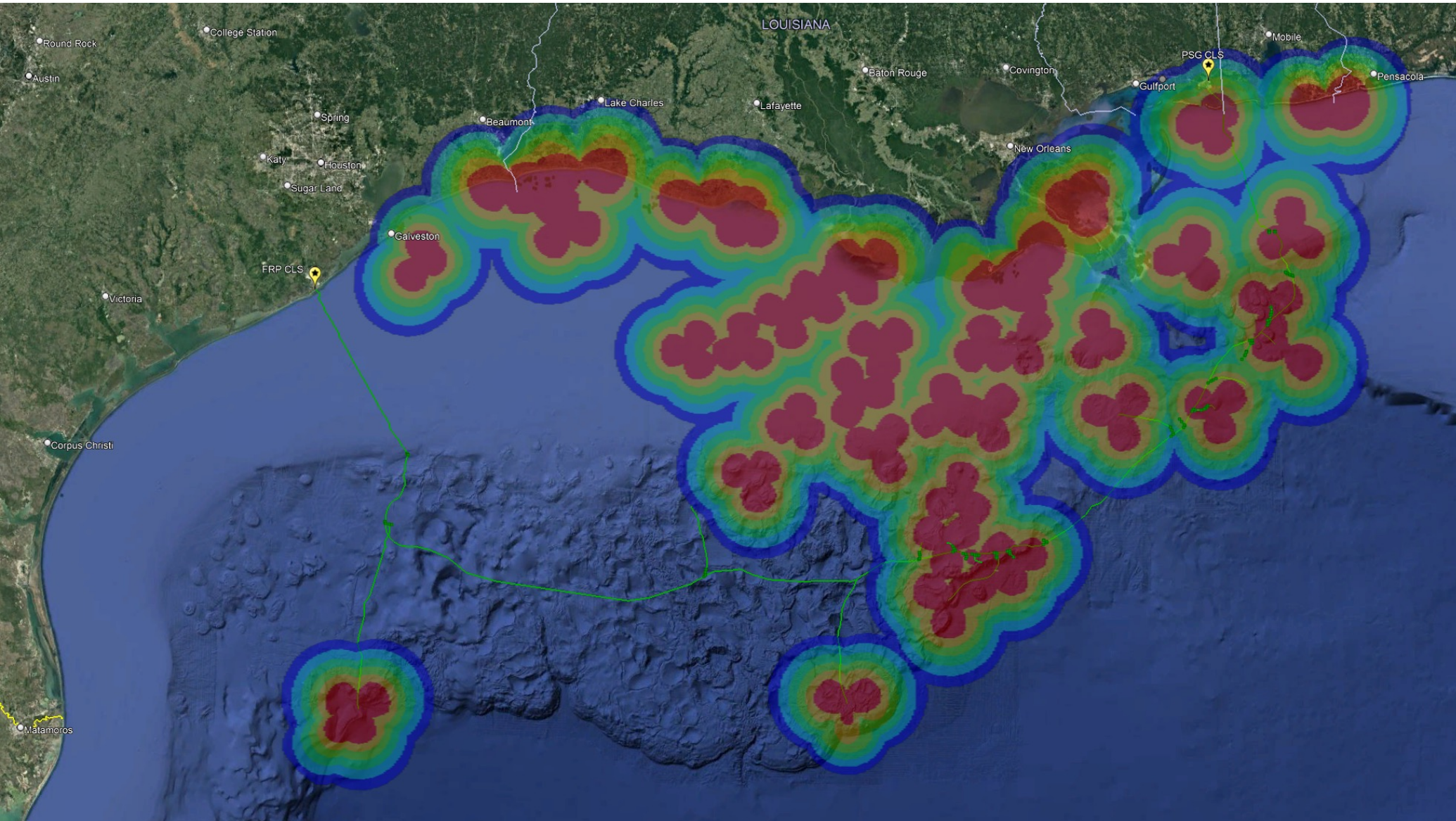
Wind Energy



Maritime



**International
Carrier**



Hurricane Ida was a deadly and destructive Category 4 Atlantic hurricane that became the second-most damaging and intense hurricane to make landfall in the U.S. state of Louisiana on record, behind Hurricane Katrina in 2005

Time line: August 26 - September 4, 2021



 **FW: NOCUS-7330 || Incoming storm**



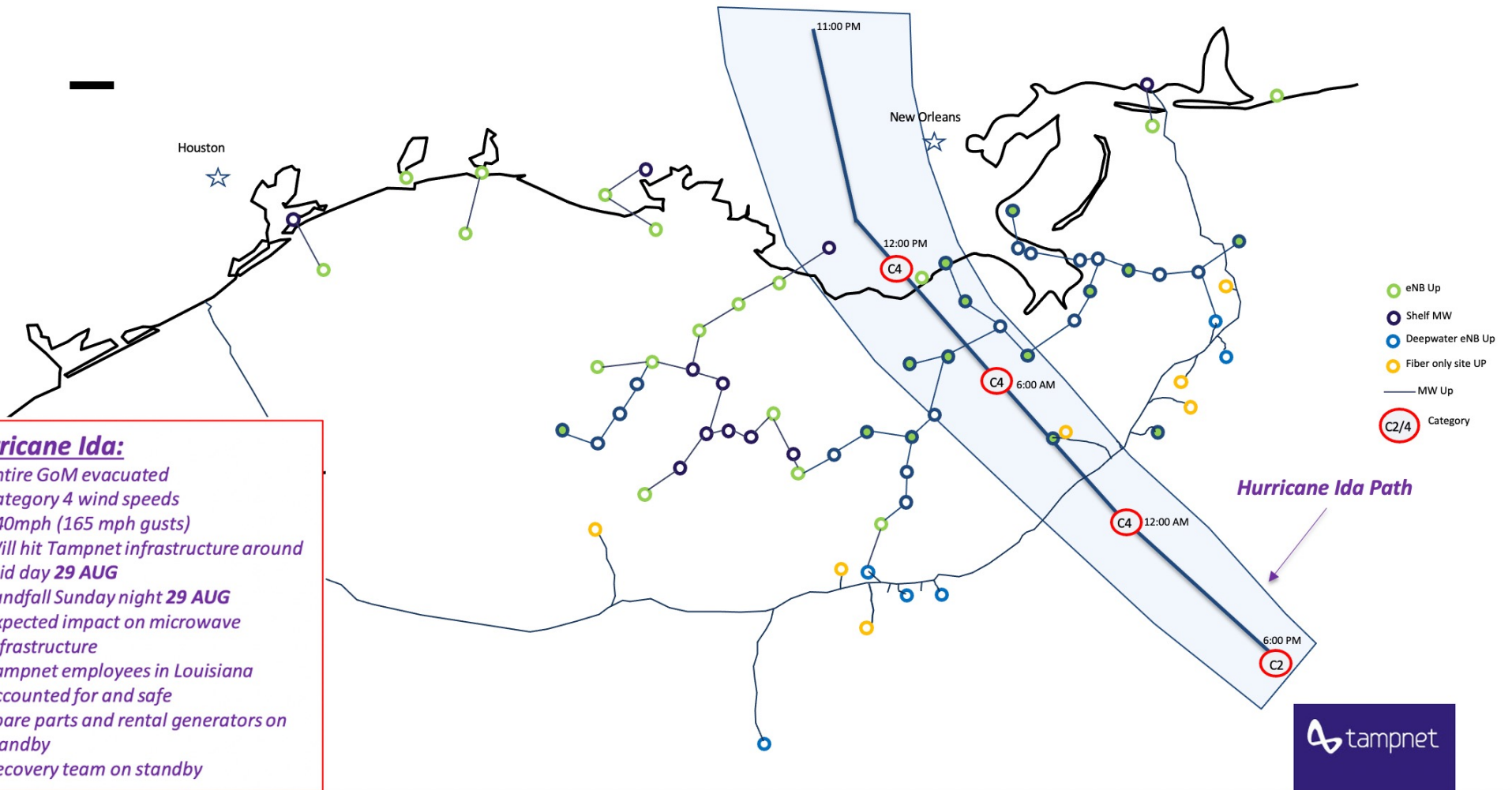
✓ Eirik Eilertsen

To:  Maikel de Boer;

Update 8/26 - 7:50 PM:

The storm has now changed to Tropical Storm and been named Ida. It is currently moving at 40mph speed with a forecast of up to 110mph when it hit our network. The water temperature and upper wind conditions are favorable for further increase, and we are looking at **hurricane category 2 or 3** before it makes landfall. Current trajectory points to landfall between Pecan Island and Fourchon. This might change as it enters Gulf of Mexico.

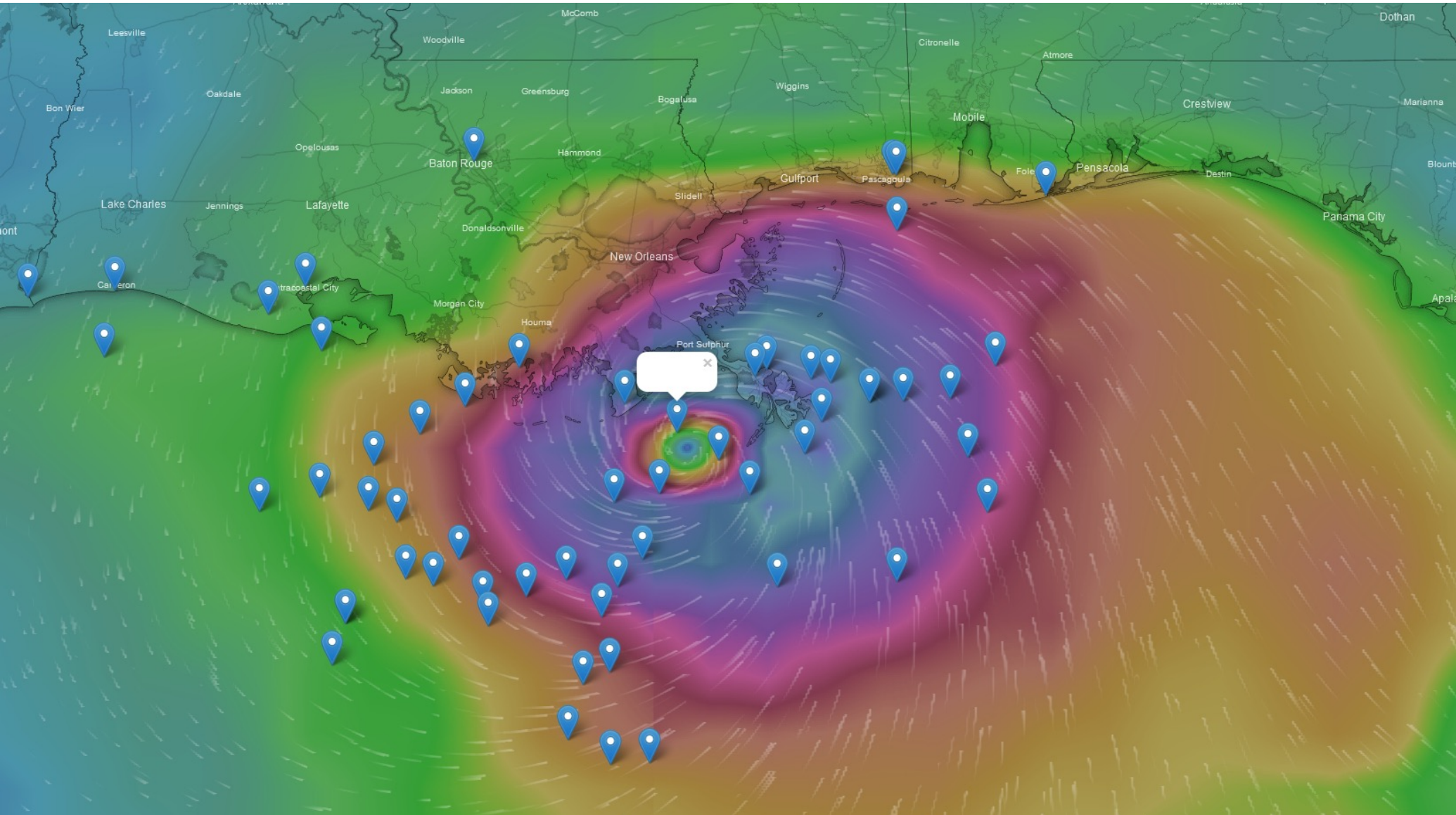




Hurricane Ida:

- Entire GoM evacuated
- Category 4 wind speeds
- 140mph (165 mph gusts)
- Will hit Tampnet infrastructure around mid day **29 AUG**
- Landfall Sunday night **29 AUG**
- Expected impact on microwave infrastructure
- Tampnet employees in Louisiana accounted for and safe
- Spare parts and rental generators on standby
- Recovery team on standby





Problems which occurred

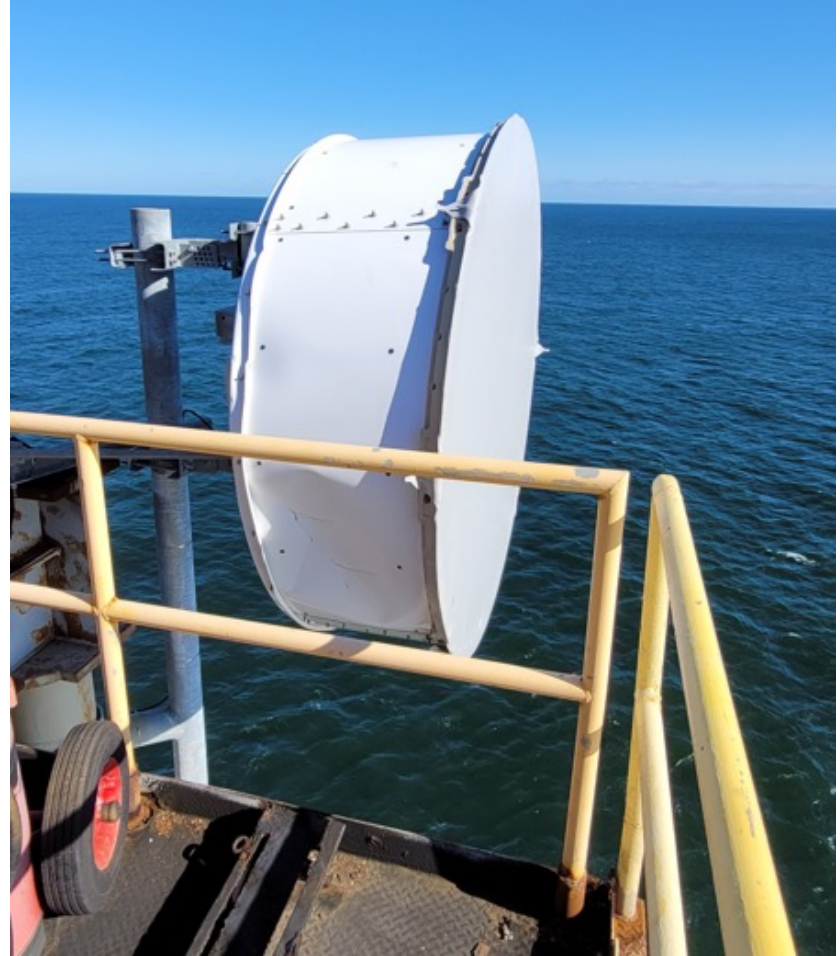
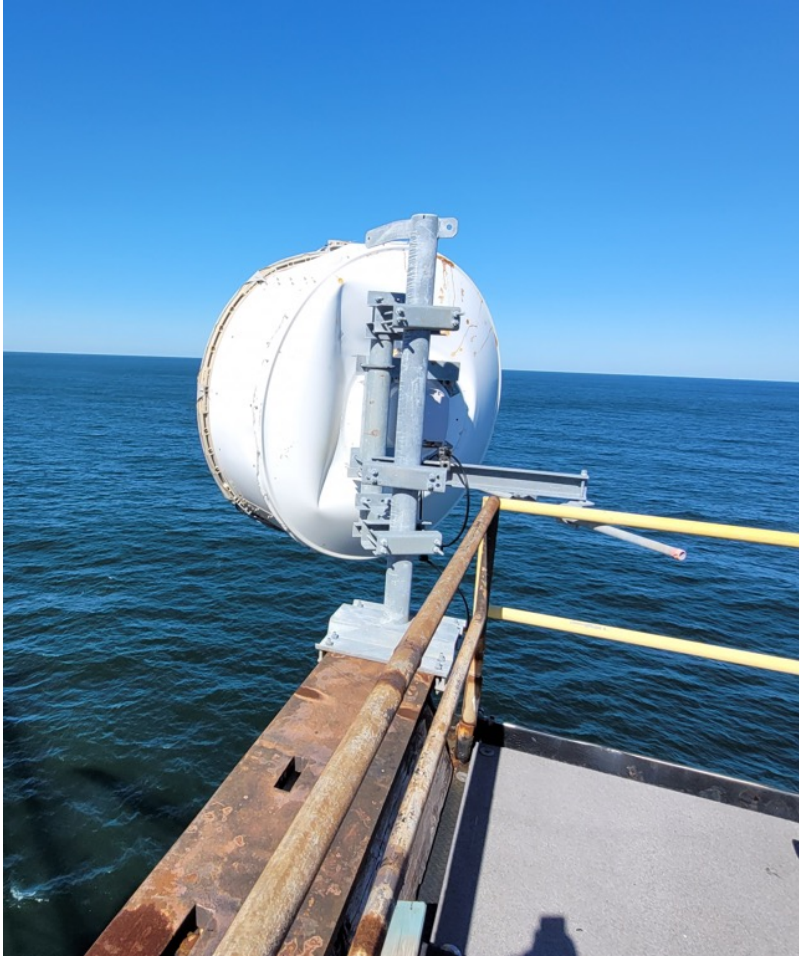
- Power issues
- Batteries drained
- Dishes need re-alignment
- Damaged equipment
- Equipment missing
- Un-mand platforms

Recovery challenges

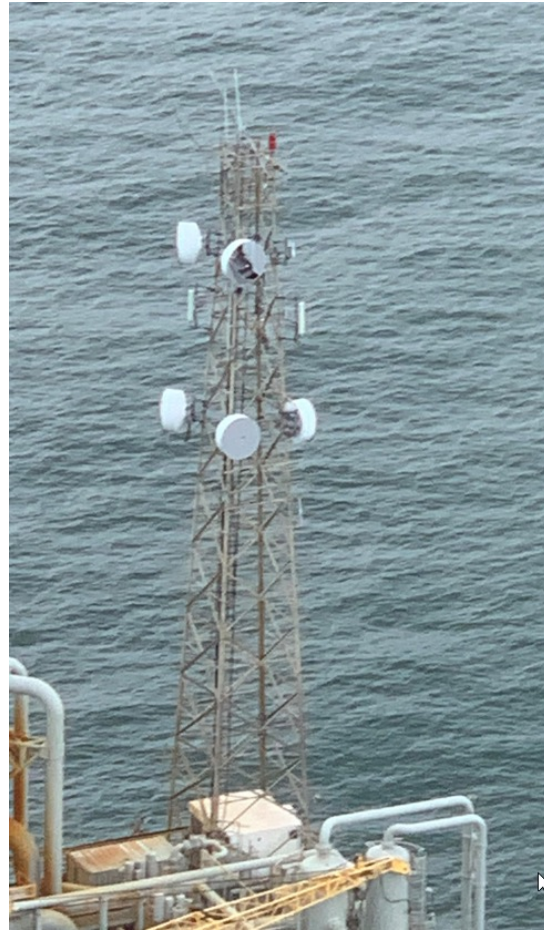
- Platform damages
- Helicopters relocated out of state prior to the storm
- Air space closed because president Joe Biden was visiting Louisiana.
- Port Fourchon damaged, all operators had to build new supply bases
- Weather challenges the week after
- Covid
- Available technical resources in the industry

Summery

- At the worst point in time we had 112 sites down
- Around 50 dispatches
- 10 people worked around the clock to bring assets back online
- Network 45% recovered after 6 days
- 110 tickets created







Lessons learned

- Renewable power solution
- Antenna structure re-evaluation and improvement
- Increasing redundancy
- Onshore hurricane readiness
- Relocation of spare parts as a preparation
- Reserve helicopter and technicians prior to an incoming storm

Q&A

THANK YOU FOR YOUR ATTENTION



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