



Civilian
Firefighting and
collaborations
on board vessels

Master Firefighter David Meetze

- 38 years as a fire fighter
- 25 years in Wilmington fire Department
- 13 years in South Bay Fire department
- Firefighter to Chief of Training
- One of eight marine firefighting instructor
- FAA part 104 drone pilot

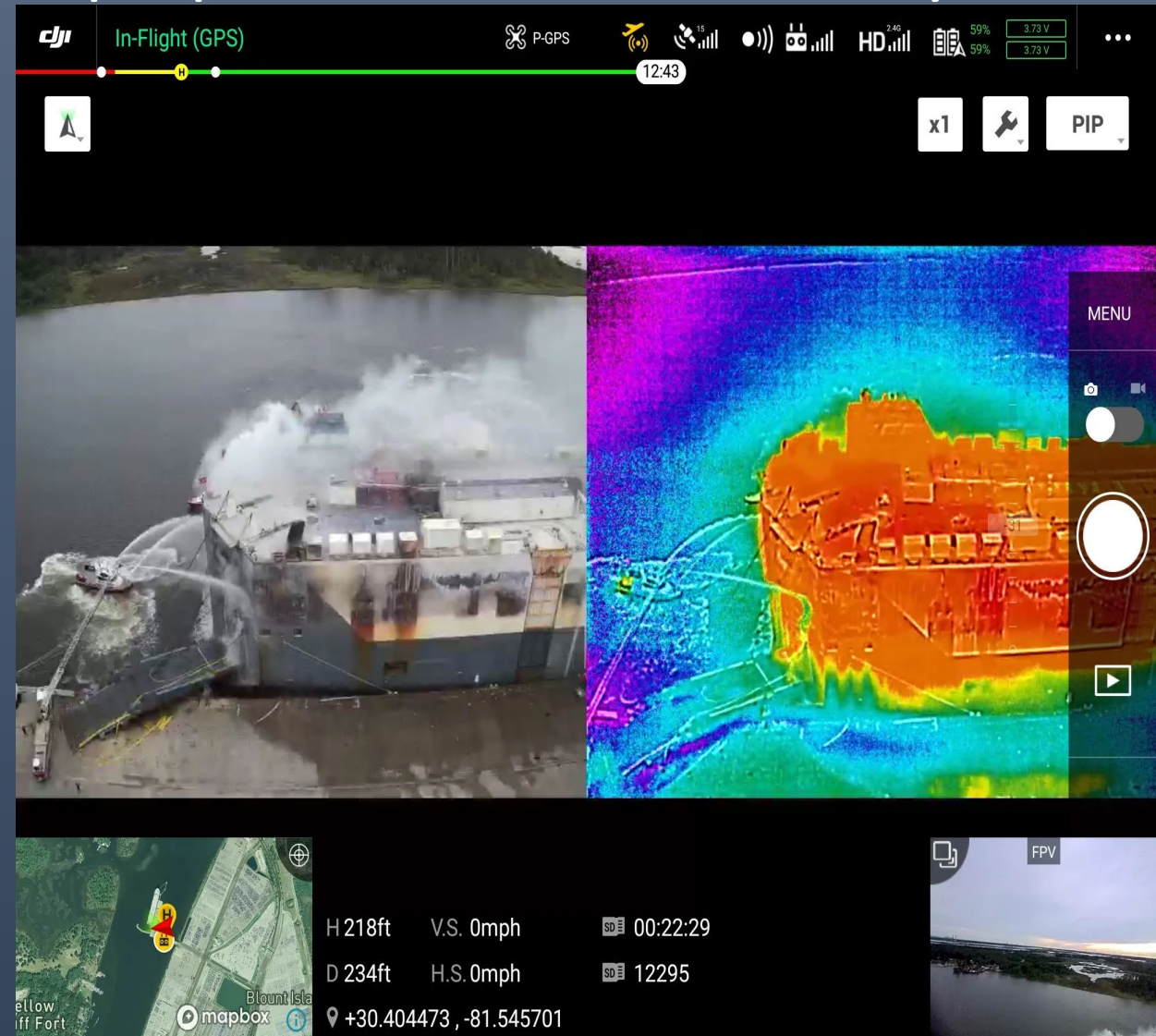


Command and Control Challenges

- Language is the number one challenge.
- Ship's lay out.
- Trained personal. (Crew and Firefighters)
- Cargo. (What type and where, Special equipment need.)
- What has the crew done or not done?
- Missing crew members.
- Hose connections. (different types)
- Water supply to the weather deck.
- Location of fire

Fire Team Safety and Equipment Availability

- Merging of fire teams.
- Thermal imaging camera. (TIC)
- High pressure water systems.
- Drones with Thermal cameras.
- Fire Boats.



Capability of Fire Departments

- Wilmington Fire Department
(200 trained 125 certified as Marine Firefighters with fire boats)
- Military Ocean Terminal – Sunny Point
(50 Trained Marine Firefighters with fire boats)
- New Hanover County Fire Rescue
(75 Trained Marine Firefighters with out fire boats)
- Statewide Fire Departments
(over 300 trained Marine Firefighters)

Lesson Learned and Challenges

Staff Sgt. Edward A. Carter Jr.
vessel fire

950-foot container vessel owned
by Maersk Line

Operated for the U.S. Military
Sealift Command

Carrying a cargo of ammunitions

Fire was restricted to the engine
room from a fuel oil spill



Lesson Learned

- Lack of trained firefighting crews
(30 fire departments 150 firefighters)
- Not having enough of foam concentrate on hand
- Knowing where ships planes were and how to read them with the help from the ship's Master.
- The use of alternative fire suppression systems on board.

Lesson Learned and Challenges

N.C Port container fire 2007

- 20-foot container
- Middle of stack
- Off load fire container
- Six hours to put out fire

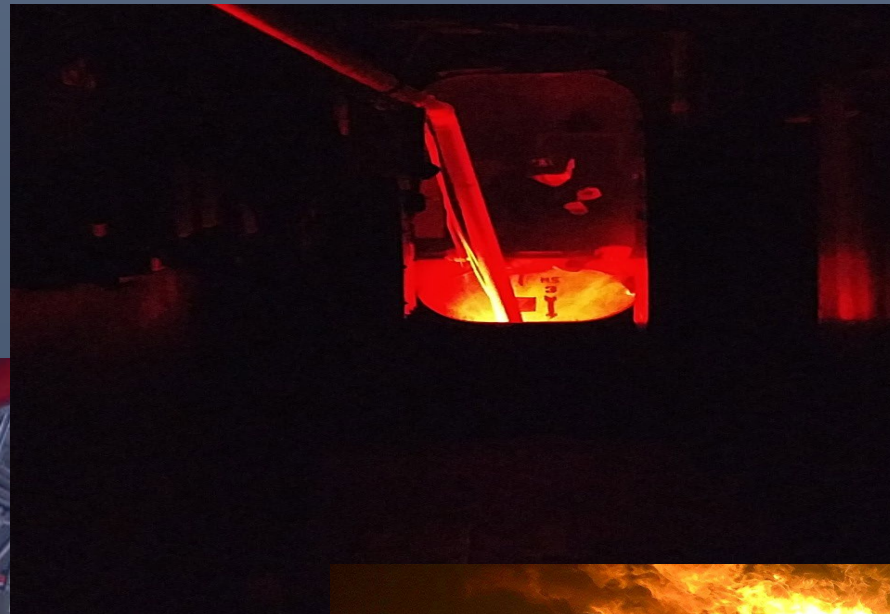


Training

- N.C. has a 40 to 45-hour Marine firefighting course.
 - 15 to 20 hours classroom
(History, Theory, Strategies, Planning)
 - 16 hours of hands-on training
(Hose movement and placement, search, victim removal, simulated fire attack)
 - 8 hours of live fire training
(Same training as hands-on training)
- N.C. has six Marine firefighting instructors.
- N.C. has over 300 trained marine firefighters.



Training Props



Drills and Classes

- Yearly drills

(reading fire control plans, hose deployment, victim removal, and fire control)

- U.S Coast Guard

Fire hose testing, hose deployment, and fire control)

- Weeklong classes

(40-to-45-hour class)

- Weekend class

(4 weekend classes that are 16 hours long each)

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Questions?