

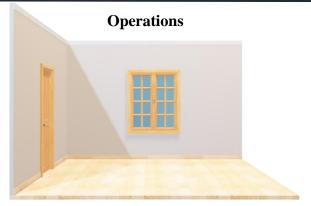
# Lone Star UAS Center of Excellence and Innovation

## **CPIRA**

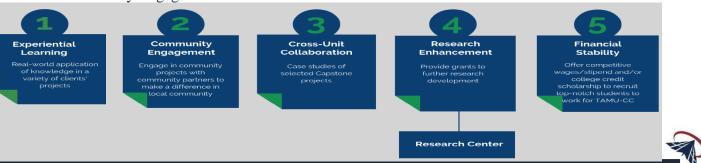
January 17, 2019

## **LSUASC Tasks To Success**

- Educate Students
  - Support Faculty
  - Student Involvement
  - Interns/Work Study/Graduate Assistants
- □ Increase Knowledge
  - FAA Test Center
  - Public Safety (Air Wing 1)
  - R&D Focus Areas Research
  - Commercialization
  - Community Engagement



#### Technology/R&D





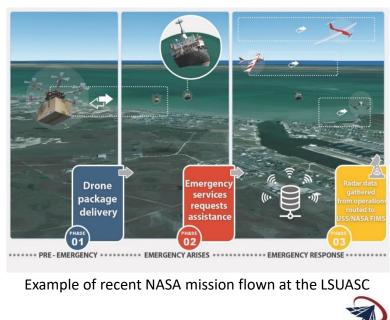
# **Test Site Purpose**

#### >3,100 Sorties Flown Since FAA Certification

Stand Up And Operate A FAA UAS Test Site Designated To Safely Integrate Civil and Public (DOD) UAS Operations Into The National Airspace (NAS).

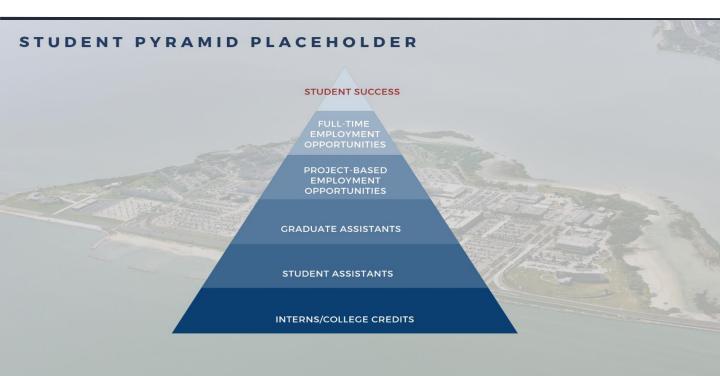
Guide Industry (US and Foreign) through the FAA safety and maturity process *required* to safely integrate Commercial UAS operations into the NAS.

Provide FAA R&D And Operational Data To Facilitate The *Development Of Procedures, Standards And Regulations* For Safe UAS Operations in the NAS.





## **Student Success Focus**





## **R&D** Focus Areas

## LSUASC

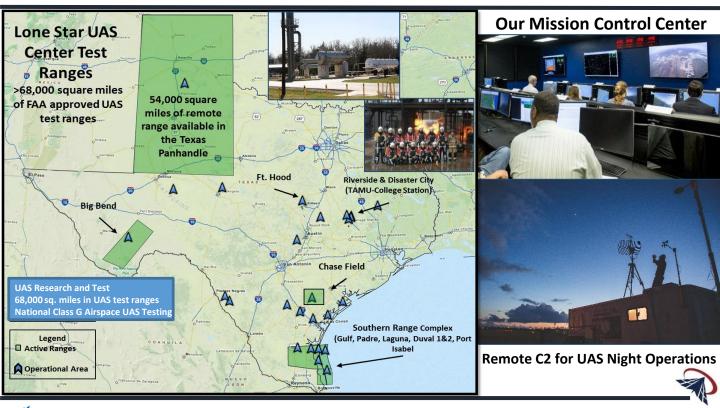
- Detect and Avoid
- Control and Communications
- Human Factors
- UAS Traffic Management
- Autonomous Behavior
- Cybersecurity
- T&E of UAS standards, processes and procedures

### FAA

- Detect and Avoid
- Control and Communications
- Human Factors
- Navigation
- Surveillance
- Forecasting
- Safety, Data and Reliability



# Texas Test Ranges and Infrastructure ~68,000 Square Miles, National Class G





Bringing UAS to America's Skies All Information is LSUASC Proprietary



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