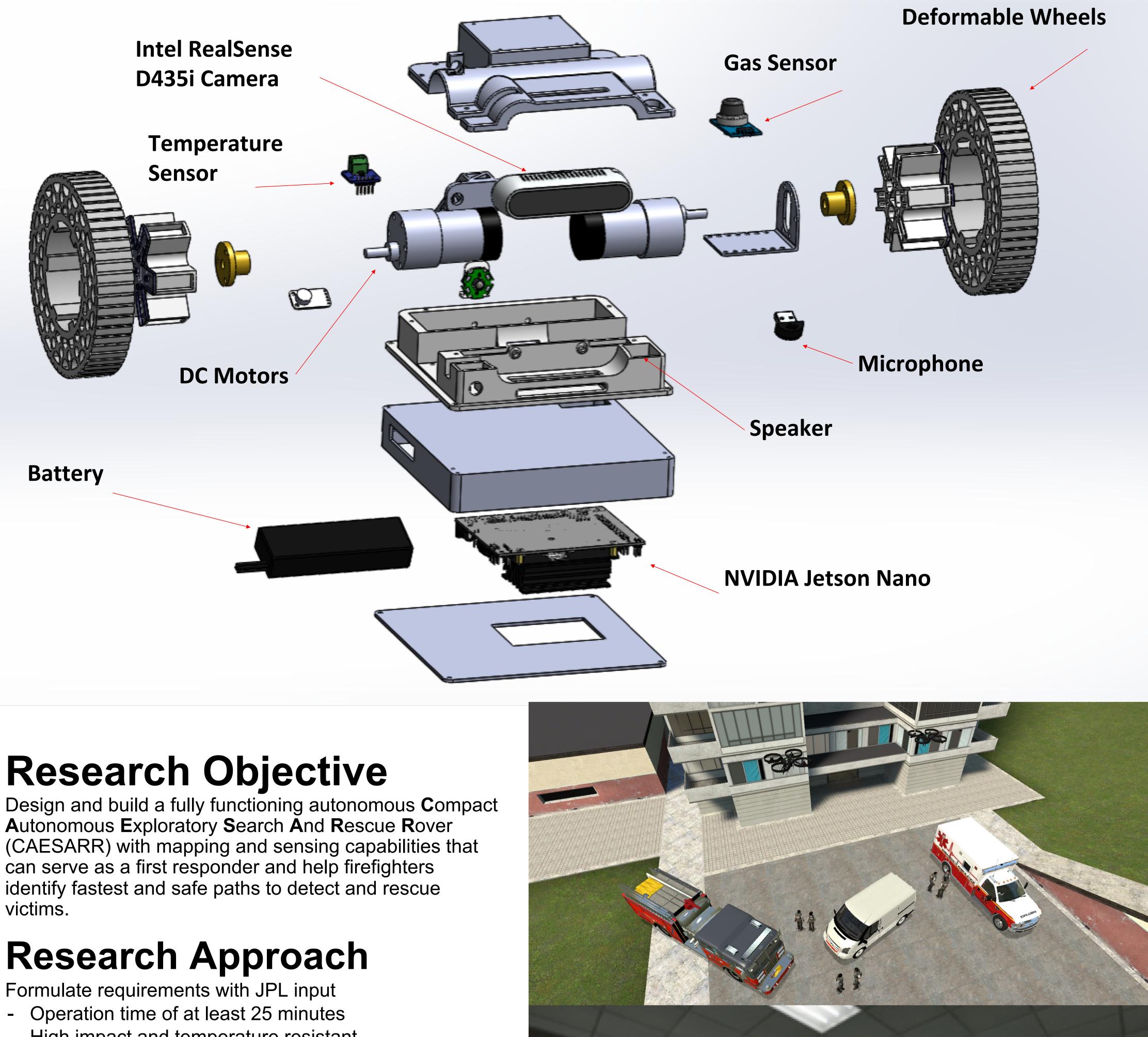


## **Compact Autonomous Exploratory** Search and Rescue Rover (CAESARR)



- High impact and temperature resistant
- Equipped with the necessary sensors (e.g., detect humans) to assist in search and rescue operations
- Environmental and localization mapping
- Transmit data in real time to the Mobile Ground Control Station (MGCS)

Iterate design concepts and hardware (e.g., DC motors with encoders, Intel RealSense Camera) and prototypes and conduct testing.

## **Research Team**

ARCS Fellows: Kiet Phan, Francisco Oropeza, Jose Guzman, Seth Klotzle and the SERL ME486 Senior Design Team

NASA Collaborators: Dr. Jean-Pierre de la Croix, Dr. Josh Vander Hook, JPL.

CSUN Advisor: Prof. Amiel Hartman, Mech. Engineering



