



# SOAPdrones

## Unmanned Aerial Systems Flight and Payload Challenge

### Project Summary

SOAPdrones is developing heavy lift transportation drones for commercialization by 2020. The Challenge goals, and those who will benefit, resonate strongly with SOAPdrones' vision and capacity. Our team has the required software, equipment, knowledge and use our own unique rapid development cycle that will document and deliver multiple iterations of the desired capability over the course of the Challenge.



### Participant Summary

The SOAPdrones team is one of the world's most experienced heavy lift drone companies and is well positioned to achieve the Challenge goals within the 15-week time frame. SOAPdrones' core knowledge is comprehensive and includes existing and emerging drone technologies, systems engineering standards and government regulations. We can and will build the drone to make the Challenge goals reality.

### Technical Outcome

SOAPdrones' ultimate technical outcome is vertical lift capacity of over 500 lbs for multiple hours by 2020. The Challenge goals align perfectly with how we are progressing our own goals. Our approach will allow for the build and test of multiple designs over the 15-week time frame with a focus on testing 5lbs, 10lbs and 20lbs lifts for maximum flight times.