



Help us solve the space  
debris crisis

Competition Information Packet

# Overview

Project Clear Constellation™ by Rubicon® is a new program devised to confront the growing problem of space waste. Left unaddressed, this issue will compound itself with each passing day, posing a grave threat to future space exploration and to the very lives of the brave men and women who serve on these missions.

According to a recent NASA study, there are approximately 8,000 metric tons of debris orbiting the earth.

These waste materials vary in size from large to microscopic, but all move at such a high speed that they represent potentially mission-ending risk by penetrating everything from spacesuits to fuel tanks, and even the hulls of space shuttles. They are also a threat to scientific and commercial satellites that we increasingly rely on for education, communication, weather, navigation, and more.

The centerpiece of the program is the Clear Constellation competition, in which colleges and universities across the United States are invited to submit design concepts for solutions to help clean up space debris.

The competition is broad by design, so as to allow the ingenuity and creativity of its entrants to shine through. Concept examples include a space debris collection vehicle, an attachment or extension of an existing vehicle, a process for the sorting and management of space debris once it is collected, or whatever your mind envisions.

Our panel of experts will judge submissions, and the winning entry will be awarded a substantial cash prize which will be announced soon.



# Who can enter?

Individuals and teams of up to five people from accredited U.S. colleges and universities can enter the Project Clear Constellation competition. Colleges and universities can enter as many individuals or teams as they want, but each entrant can only submit one design concept for consideration.

## Competition Timeline



**\*\* Networking opportunities and team events throughout the competition.**

## Prize Money

The winner of Project Clear Constellation will be awarded a substantial cash prize.



### Winner Selection

Selection of the Winners will be made by a panel of judges and will be based upon the following criteria:

- 25% Originality
- 25% Creativity
- 25% Feasibility
- 25% Relevance

# Competition Judges



**Professor Marla Geha**  
Astrophysicist,  
Yale University



**Dr. Jonathan McDowell**  
Astrophysicist, Center for  
Astrophysics,  
Harvard & Smithsonian



**Rick Ambrose**  
EVP,  
Lockheed Martin Space



**Nobu Okada**  
Founder & CEO  
Astroscale Holdings Inc.



**Mike Rogers**  
Former U.S. Congressman,  
MI-08



**Nate Morris**  
Founder and CEO,  
Rubicon

# Terms and Conditions

Full Terms and Conditions can be found at [ClearConstellation.com](https://ClearConstellation.com).