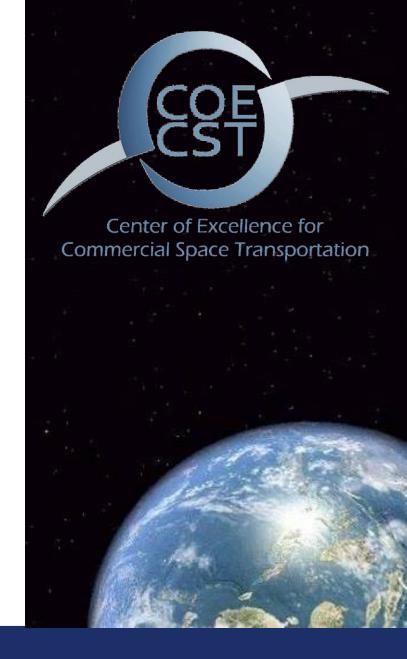
COE CST Tenth Annual Technical Meeting

Small Launch/Satellite Constellation Industry Dynamics (395/402 FIT)

Andy Aldrin Ph.D.
Cory Sanicky
Matt Austin
Stephen Sullivan
Victor Bautista



Team Members

PI: Andy Aldrin

Students: Cory Sanicky

Matt Austin

Stephen Sullivan

Victor Bautista





Organizations









SIMPLIFIER



Task Description

- Develop event databases comparable and consistent with relevant process research in other industries
- Convene methodological and market specific workshops to refine methodology and develop hypotheses/assumptions
- Develop economic/business analyses to support hypothesis/assumption development
- Develop analyses regarding critical assumptions
- Author and submit manuscripts for journal publication

Schedule Milestones

- April 2019: (Prework) Small Launch Vehicle Industry Dynamics Workshop
- August 2019-February 2020: Prework by PI and Students
- February 2020: Notification of award
- July 2020 Completion of SLV market analysis
- September 2020 combination of Small Launch Vehicle and Satellite Constellation studies
- December 2020: Process workshop 1 (Virtual)
- February 2021: Industry Workshop 1 (Launch)
- March 2021: Industry workshop 2 (Satellite)
- April 2021: Industry workshop 3 (Combined)
- June 2021: Process workshop 2
- September 2021: Combined workshop
- December 2021: Manuscript submittals

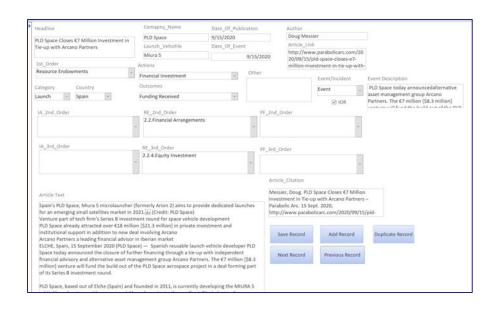


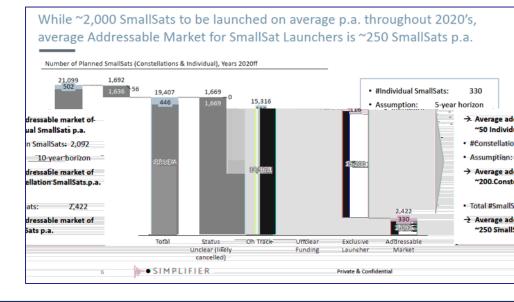
Goals

- Develop early indicators regarding the future shape and viability of the largest and most volatile sectors of the space industry
- The database developed through the course of this project will provide valuable source of future industry research

Results

- Launch systems analyzed (Austin, Sullivan, Bautista)
- ~700 Event records catalogued (Sanicky)
- Small launch market analysis
 - Produced with Simplifier (Peter Eckart, Andy Aldrin)
 - Indicates with nominal assumptions, serviceable market will support 3 providers





Publications, Presentations, Awards, & Recognitions

PUBLICATIONS

PRESENTATIONS

Preliminary Small Launch Vehicle Market Assessment (Eckart, Aldrin)

AWARDS

RECOGNITIONS

Please include publications, presentations, awards, and recognitions you have received for the past year. This information is critical for the annual report. Also, please copy the original files to fredbowen@orionat.com. For questions contact Fred Bowen at 614-267-9787.

Conclusions and Future Work

- Integration of two studies will yield more actionable conclusions
- Get started with workshops in earnest.