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HACKING IN SPACE

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#RSAC



Why should we be
worried?

SPACEX

SNC SIERRA NEVADA CORPORATION

Rocket Company™
A ASTRA

BOEING

XCOR
AEROSPACE

SPACE
KNOW

PLANETARY
RESOURCES

Orbital ATK

LOCKHEED MARTIN

BLUE ORIGIN

DigitalGlobe

**MADE
IN SPACE**

ASTRANIS

Virgin
GALACTIC

OneWeb
ACCESS FOR EVERYONE

SNC SIERRA
NEVADA
CORPORATION

\$330 Billion

**MADE
IN SPACE**

SPACEX



BOEING

SPACE
KNOW



Orbital ATK

XCOR

SPACE HARTIN



DigitalGlobe
GALACTIC

BLUE ORIGIN



What we use satellites for..

- GPS (think Uber)
- Communication (think SnapChat)
- Weather (think WTWT)
- Military (think ISR)

What are the
cyber + physical
risks?

- Jamming (think DoS)
- Manipulation (think C2)
- Eavesdropping (think espionage)
- Physical (think IED)

What are the
impacts?

What should **we** do?

1. Understand the interdependencies
2. Invest in cross-industry engagement and collaboration
3. Reserve time for wargaming (TTX) and test scenarios