

### Small Satellites – Huge Opportunities

Jeroen Rotteveel, March 27<sup>th</sup>, 2018

### Jeroen Rotteveel

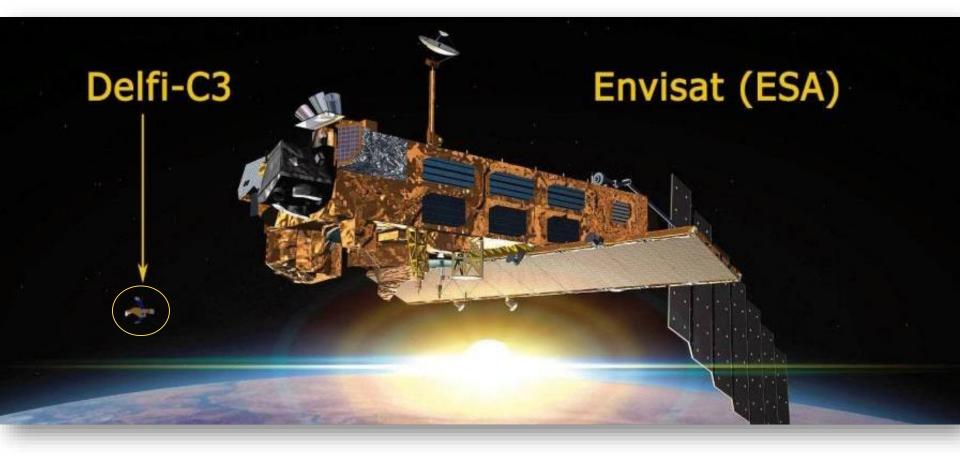


- MSc Aerospace Engineering
- Co-Founder of ISIS
- CEO of ISIS
- Chairman of SpaceNed
- Treasurer of AMSAT-NL
- Treasurer of Delfi Foundation
- ...and a few more

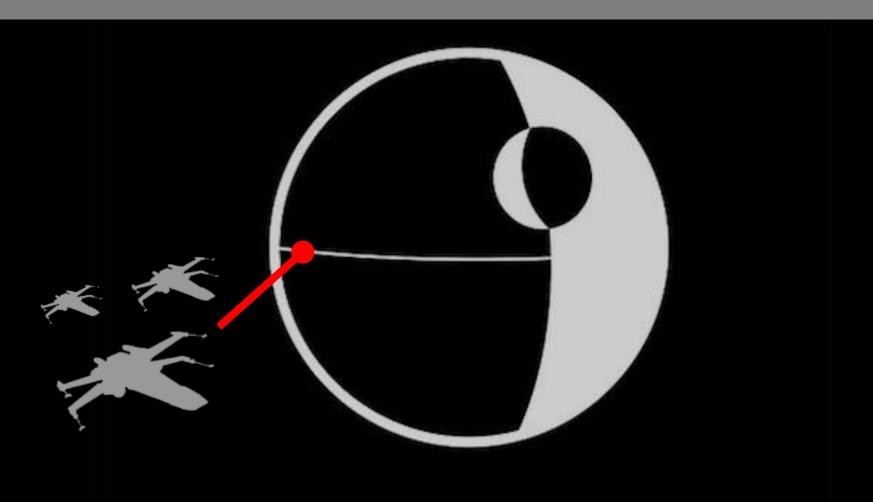


### Small is beautiful...





## What did we want to change?



TOO BIG TO FAIL

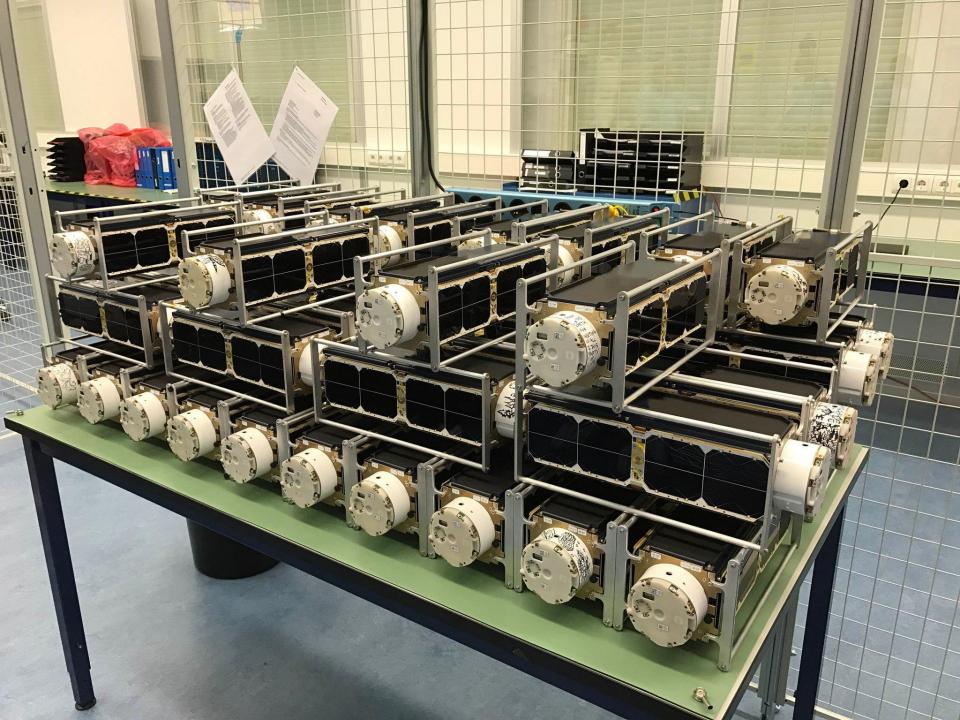






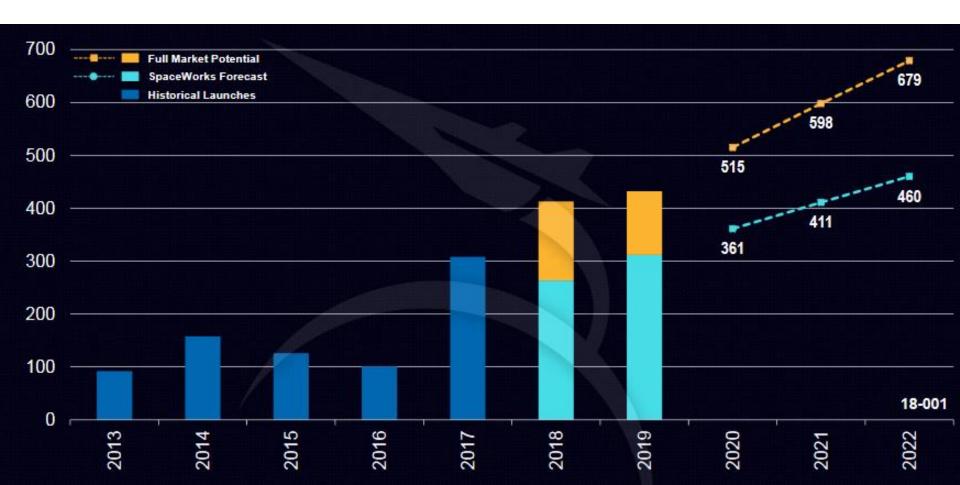






## A growing market

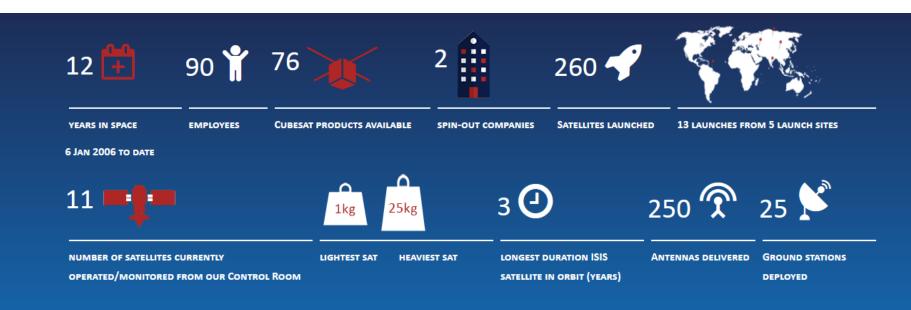


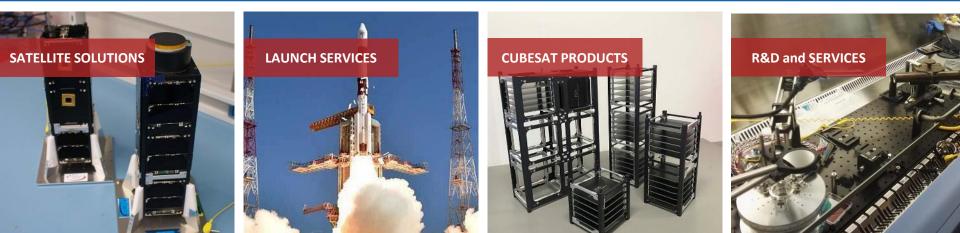


# ISIS - Innovative Solutions In Space



Vertically integrated small satellite company





# The Future Next exit

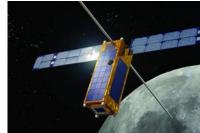
# Our turn key business model aunch service Commissioning & operations suppor Payload development & integration CubeSat platforms

- Chosen because of lack of supply chain
- 'Super'-niche also forced internal development
- Embedded to the core of the company
- Now need to broaden the supply and development partnerships to maintain speed of innovation

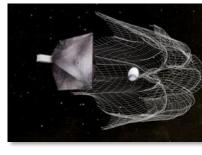
## Technology Trends For the SmallSat market

- Constellations
  - Propulsion
  - Navigation
  - Intersatellite links
- Higher quality
  - Non-LEO missions
  - More at stake (serious science)
  - Need for lower infrastructure cost (longer lifetime)
- Systemlevel series production
  - Mixed product line with multiple small series in parallel
  - Finetuned supply chain vs. further vertical integration











### A new era for space technology



If we can team up for new ideas, the space sector can truly transform!



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## Thank you for your attention!

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