



Photo of Denmark by Danish ESA-astronaut, Andreas Mogensen, during his 2015-mission to the International Space Station.

MATH HAS TAKEN ME TO THE SPACE INDUSTRY





Push your Space Antenna to the Limit

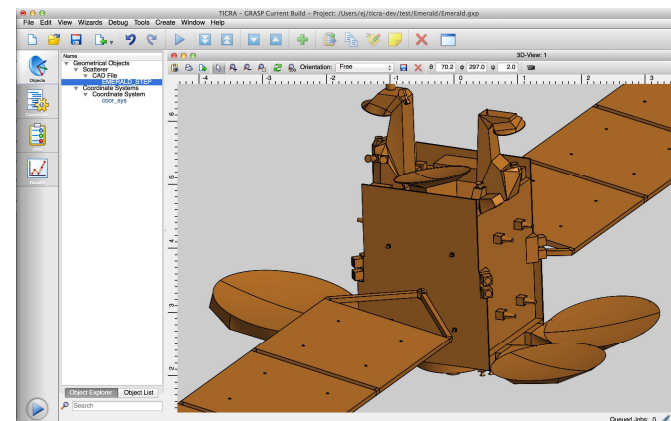
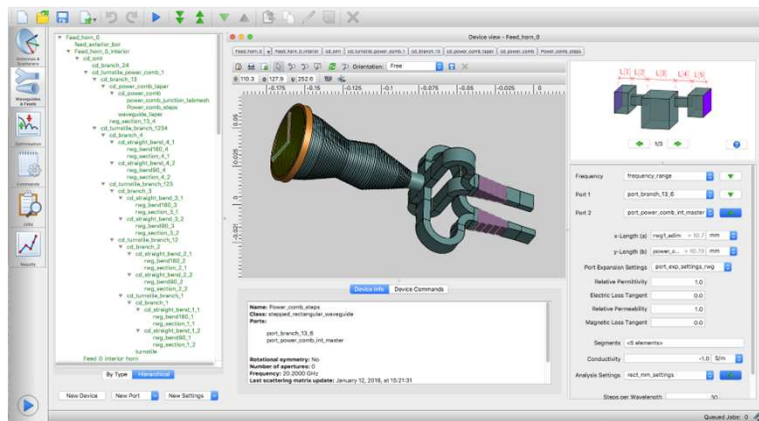
- The industry-standard Space Antenna Modelling Software
- The leading Space Antenna Modelling Experts in the world
- The preferred partner in international Space Antenna Innovation Projects



The majority of the world's large satellites have antennas design using TICRA's SW

TICRA's core business: Antenna Modelling Software

We enable our customers to meet the best possible performance of their satellite communication systems

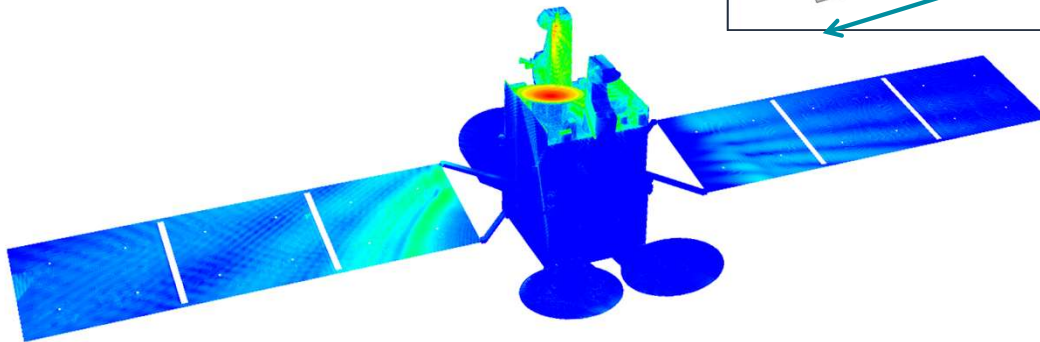
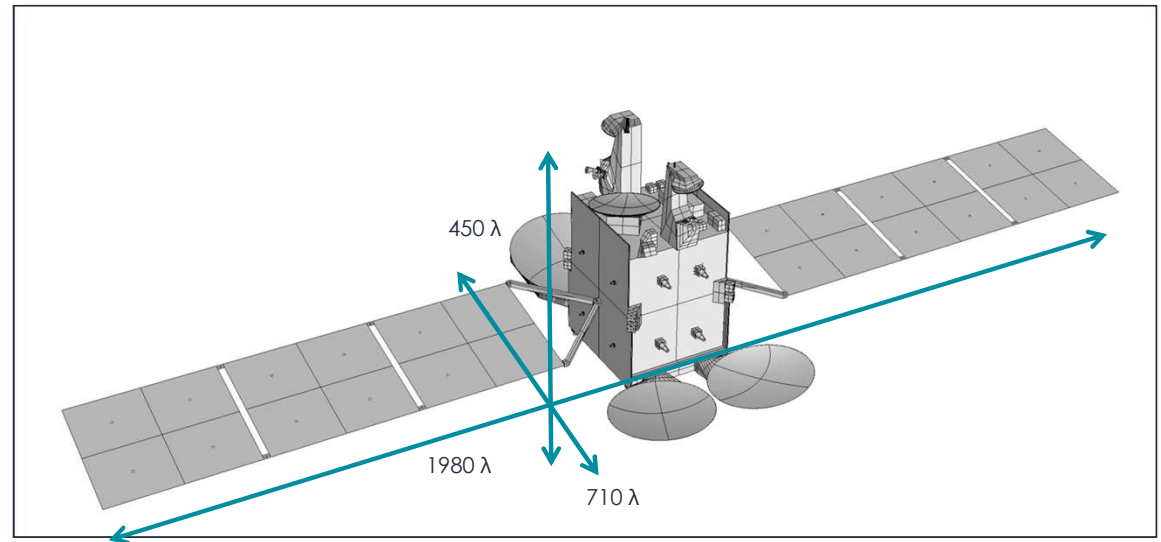


... the vital life-nerve transmitting data between the infrastructure in space and the users on Earth.

The fastest and most accurate antenna modelling tools available

Telecommunication satellite – 30 GHz

Frequency	30 GHz
Electrical size	$1,048,031\lambda^2$
HO Unknowns	18,166,143
Equiv. RWG unknowns	90,000,000
Iterations	94
Runtime	7:12 hrs
Memory	380 GB

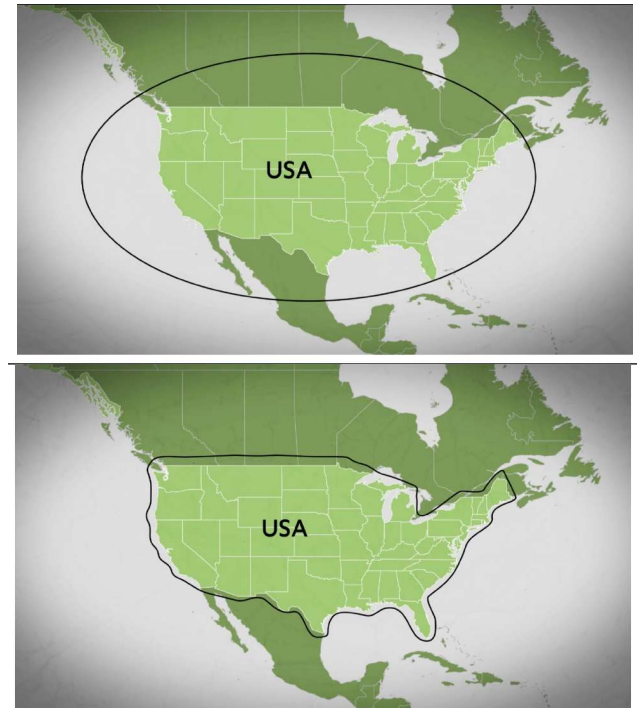


All Danish space companies have a core focus on export and are used to do innovation with international partners

- TICRA participated in the innovation of Contoured Beam Antennas with European Satellite Industry and Intelsat (US).
- Today this antenna technology is the standard on GEO-satellites worldwide



Photo from airbus.com



All Danish space companies have a very high innovation level

- All DK space companies continuously invest in new innovation to stay in the forefront.
- The DK space companies are used to innovation and have a very high innovation level.

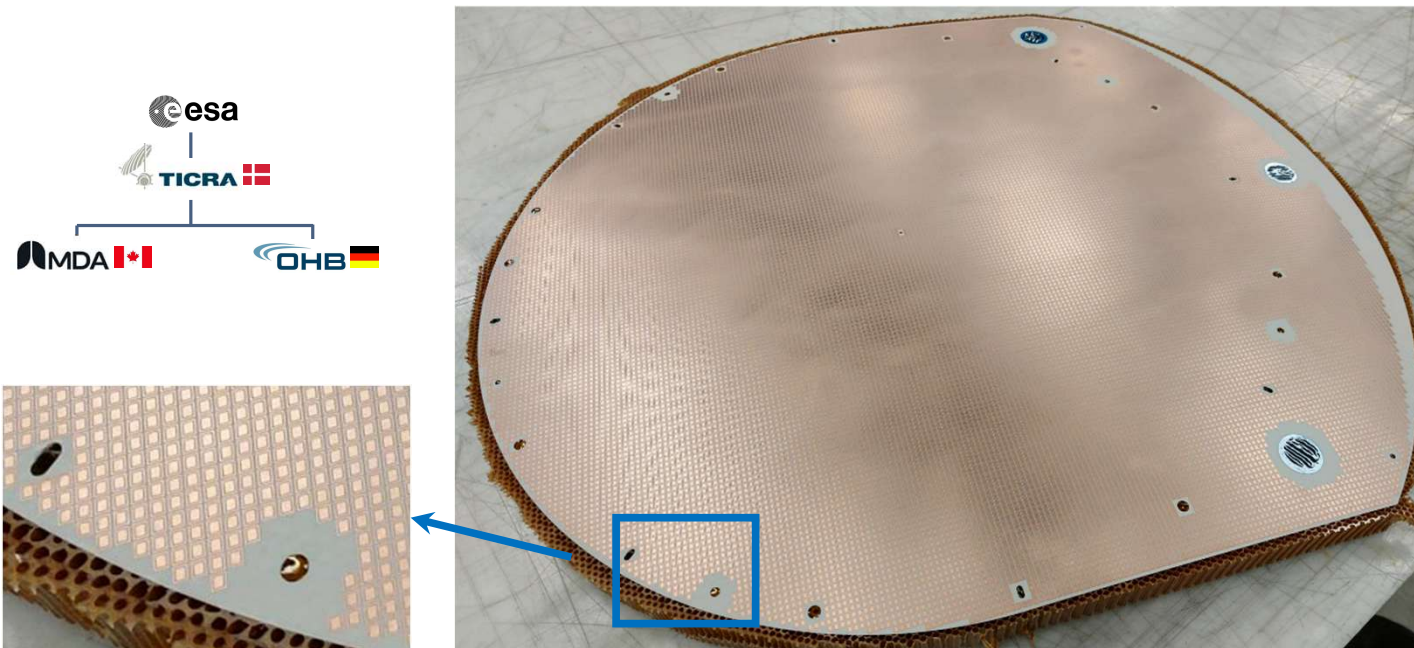


Photo from ticra.com



Photo from ticra.com



Satellite Communications



Earth Observation

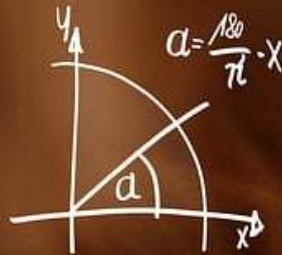


Space Exploration

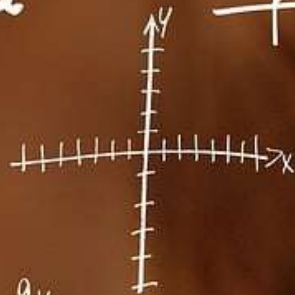


Defense

$$X_{1/2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



$$X^2 + pX + q = 0$$



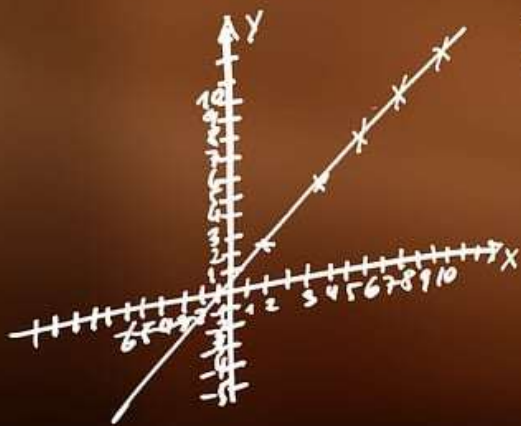
$$X_{1/2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q}$$

$$X = 6 - 2y$$

$$X + a = b$$

$$f(x) = \tan x$$

$$f(x) = \sin x$$



“Jeg kommer aldrig til at bruge det
i resten af mit liv”

Klima





Biodiversitet



Ressourser

Sundhed



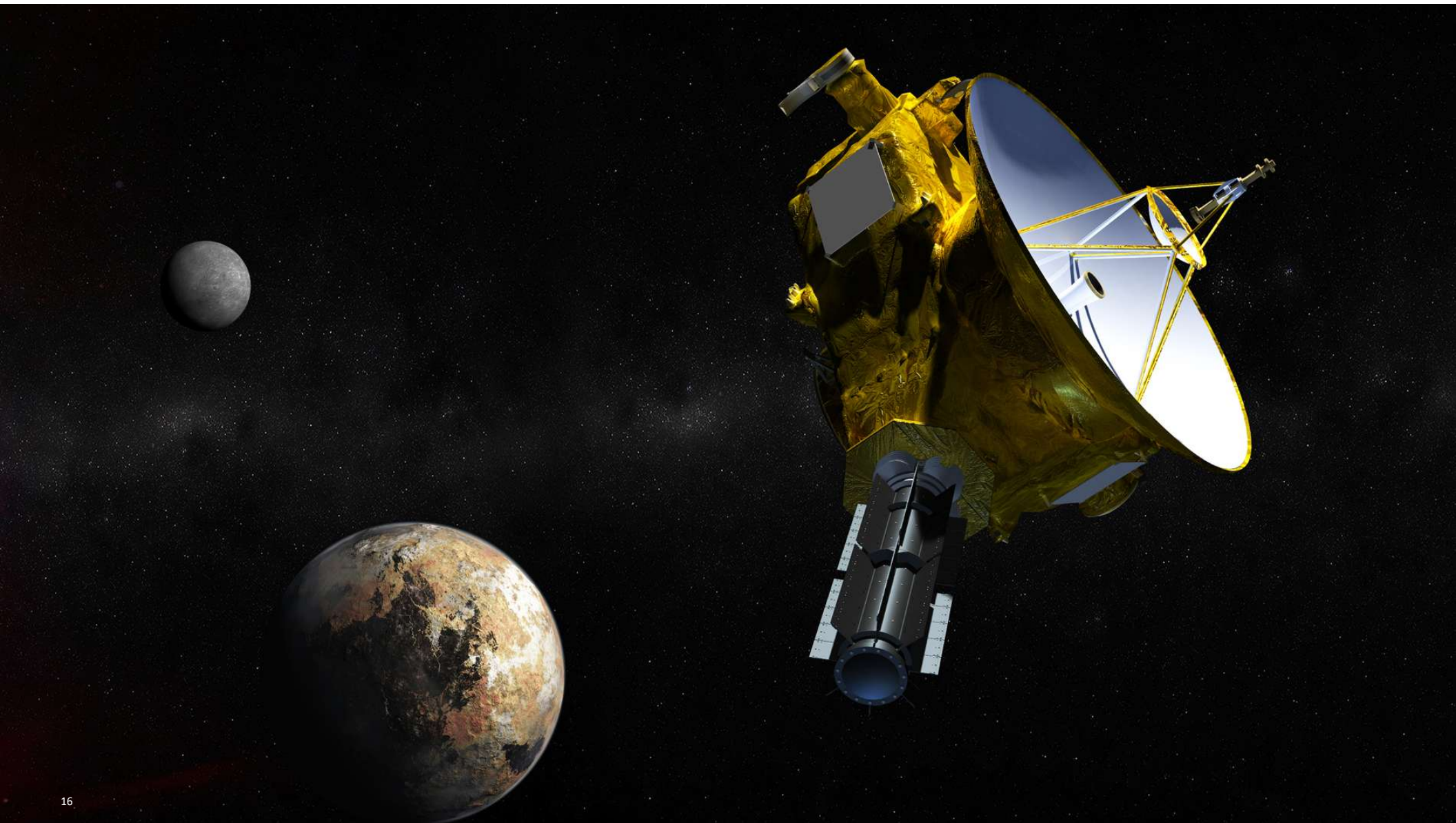


Forskning og
Innovation



Connecting the world
Observing our globe







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