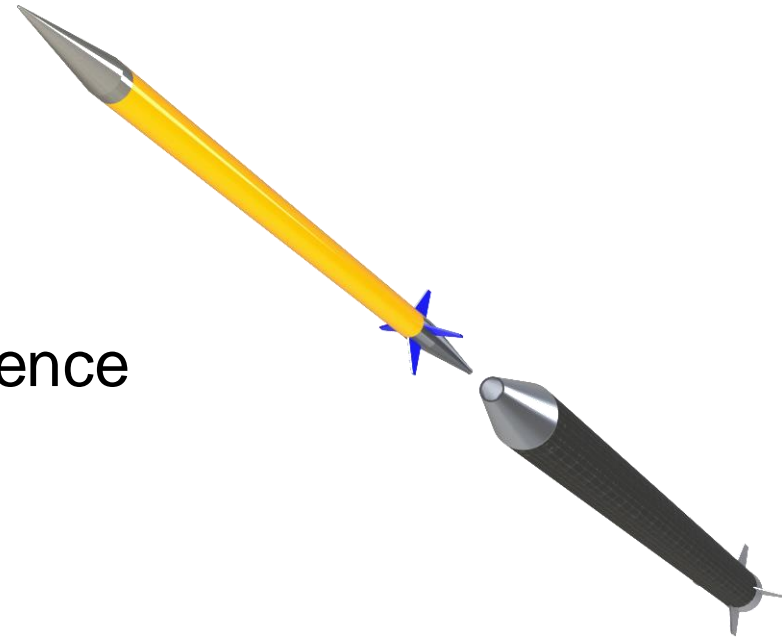




Join the next KTH REXUS team!

- Demonstration of miniature science payload for an upcoming small sounding rocket





The DART – some background

- "Dart" payload is a cheap way to reach space
- Single stage fast burning small rocket
- Low-drag payload continues up after rocket burnout, reaching >100 km.
- Old rockets: "Viper" /Super Loki (US)
- Stock depleted, no production

- New rocket design is pursued by a small company at Delft, Holland

T-Minus Engineering

- Small company in the Netherlands
- New Dart rocket, complete design
- Test launches in the Netherlands (2 km)
- Aim at >100 km launch within 2 years!

We want to have a payload ready and demonstrated by then!



The challenge

- Implement a payload with 30 mm diameter
- Design recovery and localisation system in this envelope
- Measure plasma parameters:
Langmuir probe
- Fly it on a REXUS rocket
- Build it for 60-100 g loads!





New team



- Apply to join the team by September 20
 - Proposal to ESA is due on October 16
 - Final selection in December
 - Launch in spring 2019!
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- You also may get to launch the payload in test flights of the T-minus Dart.