

# Miniaturised actuators

ESA Spark Funding Germany

## Space Technology

### Release actuators.

Release Mechanism developed for New Space applications like release CubeSats from CubeSat deployers, triggering deployables, acting as Hold-down release mechanisms.

## Non-Space Application

### Compact linear actuator.

- Emergency release actuator (LOI)
- Quantum computing (release in ultra-low temperatures),
- Actuators for harsh environments
  - maritime environment
  - low-temperature environment (arctic, ...)
  - high radiation environment
- Applications in robotics, automotive and military.

## Benefits

Spin out of space technology to terrestrial market (assessment of market, generating requirements, updating design and preparing terrestrial market release.



Contractor:

**DcubeD (Deployables Cubed GmbH)**



Space Technology Provider/Project Partner:

**DcubeD (Deployables Cubed GmbH)**

