

D-RAISETECHNICAL SHEET

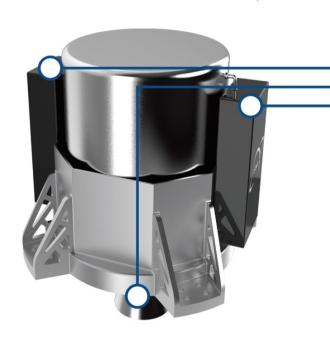
D-Raise is an agile propulsion system, able to perform a quick and reliable perigee raise, for those satellites initially designed to be transferred from GTO to GEO only by full electric propulsion.

D-Raise ensures a significant reduction of operational risks associated with atmosphere related issues, atmospheric drag and Earth proximity.

D-Raise Examples of Configurations

Application	Orbit Raising		Class		Mini Configuration
Satellite Mass [kg]	Orbit Before Maneuver [km]	Orbit After Maneuver* [km]	Name	Architecture	Mass** [Kg]
3,000	250 x 35,186	500 x 35,186	D-Raise.S70	1 x S70	50
5,000	250 x 35,186	500 x 35,186	D-Raise.S130	1 x S130	78

- * In addition to benefits in above, higher perigee altitude raising significantly reduces time to orbit.
- ** Device mass depends on the Mini Configuration level of customization. Exclude mechanical interface to platform and dedicated Thrust Vector Control if required.



Design

- Electro-Explosive Subsystem (EES)
- Solid Rocket Motor
- Command and Control Unit (CCU)

Electrical Interfaces

(customizable upon request)

Power Interface

UNR 28 V DC / 100 V DC / Custom Voltage

Data Interface

MIL-STD-1553 / CAN Bus / SpaceWire

Quality and Reliability

Compliance with Safety Standard MIL-STD-1576

- Components Level SCC-B to Extended Range
- Predicted Reliability > 0.999
- Fail-Safe Architecture Single-point-of-failure free
- Critical Software B-Class

Contact us for a quote on the best customization for your satellite design

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