

NEWSPACE MARKET · COMPANY PROFILE

EXOTERRA

ExoTerra Resource

United States · founded 2011 · exoterra.com

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WITH DATASHEETS

newspacemarket.com/companies/exoterra/

as of 20 August 2026



ExoTerra Resource

ExoTerra Resource is a Littleton, Colorado-based space propulsion company specializing in miniaturized Hall effect thrusters (HETs) and supporting propulsion hardware for small satellite and CubeSat missions. The company focuses on delivering high-impulse electric propulsion in compact form factors that are accessible for commercial and government microsatellite operators. ExoTerra's core product is the Halo Hall effect thruster family — lightweight, compact HETs designed for CubeSat and microsatellite platforms that require significant delta-V capability within tight volume and mass constraints. Complementary products include propellant distribution systems (PDS) and power processing units (PPUs) that form complete propulsion subsystems. The company targets the growing demand for capable propulsion systems that can fit within the mass and volume limits of small satellite buses, enabling orbit-raising, constellation management, deorbit, and deep-space missions for cost-constrained programs.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Dynamic, Stress, and Thermal Analyses

ExoTerra's mechanical engineering team offers dynamic, stress, and thermal analyses for spacecraft components and systems.

Electrical Engineering

ExoTerra offers electrical engineering services, specializing in solar array design and radiation-tolerant power distribution systems.

Mechanical Engineering

ExoTerra provides mechanical engineering services, including design of space structures, mechanisms, reentry systems, and various analyses.

Systems Engineering

ExoTerra offers systems engineering services with expertise in integrated propulsion systems for various spacecraft, from CubeSats to interplanetary missions and manned systems.

Product catalogue



EXOTERRA RESOURCE

HALO THRUSTERS

ExoTerra's HALO THRUSTERS product line includes the Halo 8 and Halo 12 Hall-Effect Thrusters, designed for small satellites to achieve optimal orbits, extend mission lifetimes, and

Flight Heritage

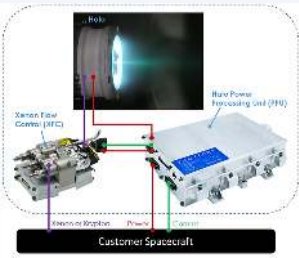
As of July 1, 2023, four Halo-based integrated propulsion systems are operating in orbit.

Propellant (Halo 8)	Xenon
Mass (Halo 8)	0.83 kg
Volume (Halo 8)	0.375 U
Input Power (Halo 8)	100 – 450 W
Total ISP (Halo 8)	700 – 1500 s
Thrust Range (Halo 8)	4 – 30 mN

TRL 5

price on request

datasheet



EXOTERRA RESOURCE

Iris Propulsion Module / Propulsion Kit

ExoTerra offers the Iris Propulsion Module, a bolt-on solar electric propulsion system for small spacecraft, and a Propulsion Kit consisting of a Hall-effect thruster, Power Proces

Radiation Tolerance (Iris)	30 kRad TID
Propellant Options (Iris)	Xenon or Krypton
Mounting (Iris)	Inside a standard 24" Lightband
Height (Iris)	Less than 30 cm
Operational Power (Iris)	Low sub-kilowatt levels
Mission Lifetime Extension (Iris)	Up to 5 years

price on request

datasheet

Contact ExoTerra Resource

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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