

MODULAR DEVICES, INC. (MDI)

By Chris Alfenito, Director of Sales and Marketing

Modular Devices Inc. (MDI), a small privately held U.S. Corporation, has established itself for 45 years as a global power engineering resource that designs and manufactures high reliability power solutions for demanding applications. The company concentrates on DC power systems and subsystems.

MDI measures success a bit differently than most companies. One of their most critical assessment factors is focused on how satisfied their clients are with MDI — not just the products, but across the spectra of the complete transaction.

The company's aim is to be responsive to their clients' needs before, during and after a sale. This is a collaborative approach with the firm's client partners, from the initial contact through in-depth engineering discussions and throughout the length of the program.

MDI offers lifetime support for their products. The company has yet to obsolete a product that is still required or requested by their customers.

One hundred percent of MDI products are designed, fabricated, tested and delivered from their facility on Long Island, New York. The staff has decades of experience in all key areas that allow them to comply with programmatic requirements that only larger scale organizations usually area able to offer.

More often than not, MDI provides clients with solutions for their power needs based on a custom or semi-custom requirement. The firm's clientele demand unique solutions for their programs and. MDI strives to ensure their mission success.

MDI products range from simple *Point Of Load (POL)* regulators to multi-output *Rad Hard Fully isolated DC-DC converters*, *Solid State Relays (SSR)*, *In Rush* limiters, sequenced power switching modules, and *EMI Filters*.

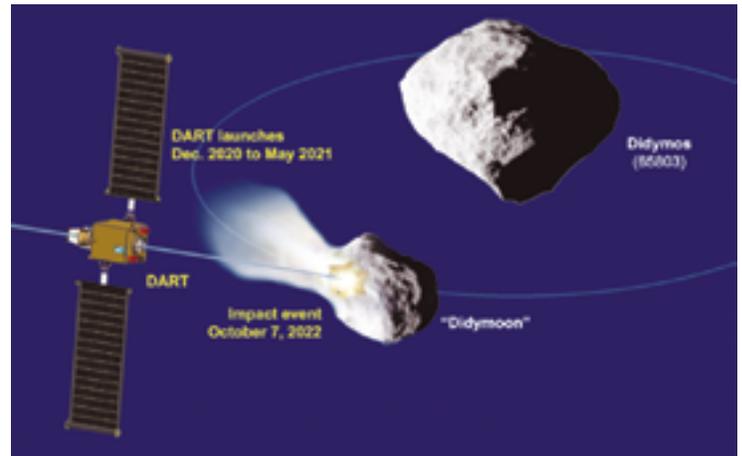
MDI products are found in: Exo-planetary, GEO, & LEO space programs, military aerospace, Naval and ground systems, as well as nuclear power and high energy particle physics research activities.

2018 was a most exciting year for MDI. The company is extremely proud of the programs on which they were able to participate. In space, in the air, on land, and in the oceans, MDI products and designs find their place.



In Space

- NASA Planetary Defense Coordination Office, DART Mission (Dual Asteroid Redirect Test) is going to "nudge" a small asteroid, 11 million km away with a 500 kg spacecraft traveling at 6km/s (Mach 16) with an Ion Thrust Engine.



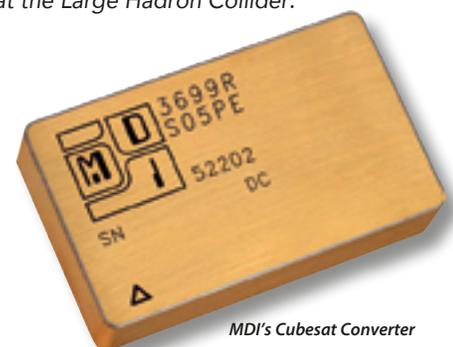
- Helping to develop systems for new astronaut space suits and health monitoring aboard the ISS.



- CMIS (Compact Midwave Imaging Sensor) for high spatial resolution stereo imaging of clouds so as to enable 3D wind and cloud height observations during both day and night.

- Continuing in the exploration of our universe through such programs as the AMS (Alpha Magnetic Spectrometer) aboard the ISS searching for dark matter and ongoing subatomic particle physics research at CERN at the Large Hadron Collider.

- Working on next generation of spacecraft subsystems including scientific military and commercial constellations. This has covered a range of programs including space



MDI's Cubesat Converter