

## Customers

Government – Electric Drivetrain Technologies LLC

### US Navy

- Office of Naval Research
- Naval Air Warfare Center
- Missile Defense Agency

Commercial – Rocky Mountain Technologies Inc.

### Domestic

- Blount
- Emerson
- GHSP
- H2Powertech
- Hella
- Honeywell
- Rexair
- Skurka Aerospace
- TRW

### International

- ControlPro (Mexico)
- CTR (Korea)
- Elgi (India)
- JATCO (Japan)
- Samsung (Korea)
- TATA (India)
- Vorwerk (Germany)



## Contact Us

### US Government Customers Only

Please contact us to discuss your requirements or send us your solicitation

### Electric Drivetrain Technologies LLC

HC64 Box 3115  
Moab, UT 84532  
Phone: 435-259-5500

E-mail: [info@ElectricDrivetrainTechnologies.com](mailto:info@ElectricDrivetrainTechnologies.com)

### Commercial Customers

Please visit our sister company Rocky Mountain Technologies Inc. for commercial products and solutions

### Rocky Mountain Technologies Inc.

P.O. Box 210  
Basin, MT 596312  
Phone: 406-552-4260E-

E-mail: [Info@RockyMountainTechnologies.com](mailto:Info@RockyMountainTechnologies.com)



EDT

Tomorrow's Technology Today



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## Company History

The company was founded in 2010 to handle all of the government business of Rocky Mountain Technologies Inc.

The company has been successful in obtaining multiple government contracts and is now in the process of transitioning towards becoming a full supplier of services and certified products for the government market.

Electric Drivetrain Technologies LLC has leveraged 20 years of high speed motor/generator expertise to passive to magnetic bearing systems, developing energy storage systems, advanced power inverters, and high temperature actuators.

We are working with manufacturing partners to provide products to the DoD and commercial sectors.

We will continue to develop different aspects of the technology:

- High speed motors: new technologies are needed for machine tool spindles, high performance energy efficient compressors
- Magnetic bearing: are sought for many industrial and HVAC applications to increase operating speed, reduce maintenance costs and quite, more reliable, more energy efficient operation
- High bandwidth inverter: we are already implementing this technology for use in TELECOM power systems and we plan to expand on these developments
- High speed flywheel system: we plan to continue the development of mechanical batteries for utility power management, solar power plants and we have discussed a 100 MWh modular storage system with a potential customer



Electric Drivetrain Technologies is currently supported by the Navy's power and energy management program and a next generation integrated power system architecture (NGIPS) for application on shore based facilities, future surface ships, and underwater vehicles.

Potential applications exist within PMS 320; potential fit for PMS 405 with a focus on railguns and directed energy weapons. In addition, the DoD has engaged in the High Speed Mechanical Energy Storage Initiative (HMES) throughout the various system components and this technology may enhance the results from this initiative.

## Rocky Mountain Technologies Inc. (an Electric Drivetrain Technologies sister company)

Rocky Mountain Technologies was founded in 2000 as a successor company to Advanced Motion Controls of Princeton, WI. The company relocated to Basin, MT in 2006. Our clients include many of the world's largest corporations along with many small and midsize companies and startups.

They have:

- Produced motors at 45 KW > 98% efficiency
- Built a 7.5 KW power inverter with > 98.5% efficiency using wide bandgap switches

## Products

### Switched Reluctance Motors, Controllers and Drives

- 4 Phase Switched Reluctance Motor Family SR130
- 4 Phase Switched Reluctance Motor Family SR165
- 4 Phase Switched Reluctance Motor Family SR210
- 3 Phase Switched Reluctance Motor Family SRB280
- Switched Reluctance Motor Controller for 3 and 4 Phase SR Motors

### Internal Permanent Magnet IPM Motors, Controllers and Drives

- 3 Phase Internal Permanent Magnet IPM Motor
- Universal Motor Controller for 3 Phase Motors

### Synchronous Reluctance Motors, Controllers and Drives

- Currently all our synchronous reluctance machines are custom design - Contact us with your requirements
- Universal Motor Controller for 3 Phase Motors

## Design Services

- Motor Design
- Controller Design
- Drive design
- Power Inverters
- Cost Reduction Analysis
- Manufacturability Analysis
- Failure Analysis
- Contract R&D

## Consulting

- Motor Design
- Controller Design
- Power Inverter
- Cost Reduction
- Manufacturability
- Failure Analysis

## Prototypes/Production

### Prototyping Services

Motor Prototyping Services Controller Prototyping Services

### Production and Sourcing

We can offer a full range of custom production and component sourcing US and overseas sources and production partners

## Testing

- Motor Performance
- Controller Performance
- System Testing
- Failure Analysis

