CaMEL - Carry-all Mechanized Equipment Landrover

Lighten the load and power forward for the warfighter
Like its namesake, Northrop Grumman’s CaMEL operates in the most desolate corners of our planet. Today’s warfighters often find themselves deep in unforgiving terrain, miles from their support base, burdened with the extreme weight of equipment they need to live and fight. Rapid movement is a challenge - requiring time and resources they just don’t have. CaMEL is a robotic transport platform providing users an unparalleled and vital equipment transport capability. CaMEL is a hybrid motorized robot that can carry a half a ton of cargo across nearly any terrain. Optional kits are available to fit your mission requirements making CaMEL your reliable customized beast of burden.

**Mobility Specs**
- Method: 6-wheel drive with individual drive motors, Removable tracks
- Maximum slope angles: 35 degrees front to back; 30 degrees side to side
- Speed: 3-7 MPH
- Crevice/gap traverse: crosses gaps up to 19”
- Turning: Within the length of the vehicle

**CaMEL Specs**
- Height: 25” to deck; 47” to the top of the cage
- Width: 32”
- Length: 60”
- Ground Clearance: 6”
- Payload: 1,000 lbs +
- System electronics are sealed within weather-resistant enclosure
- All terrain (wet or dry surfaces)
- Primary Fuel within Camel chassis: 2.4 gallons
  - Secondary tank on the engine: 1.1 gallons
  - Together they provide ~12 hours of engine run time
  - Because it is a Hybrid robot, the engine run time is approximately 1/3 of the robot operating time.

**Electrical Specs**
- 7 Isolated firing circuits: 24V DC
- Power Supply: Diesel engine hybrid; 24V DC Battery Pack
- System battery can be charged via NATO slave adapter off of any military vehicle in under two hours
- 1/4 Turn Connectors: For easy connect, disconnect

**Optional Kits**
- Extended range external fuel cell
- Battery charging kits for military/commercial battery recharging
- Wheeled or tracked variants
- Data Links: Interchangeable Fiber Optic Cable Reel, RF system, or Hard-line cable reel system
- Control kits
  - Light Detection and Ranging (LDAR)
  - Voice command
  - Autonomous operations

**Training**
- 2.5 days of operator / maintenance
  - at our training facility in Oak Ridge, TN
  - your facility
  - forward deployed

For more information, please contact:

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