

# ELDS

## Electrical Launcher Drive System



*ELDS for Multiple Launch Rocket System (MLRS)*

## Performance

- Pointing in 30 seconds instead of 90 seconds\*
- Stow in 20 seconds instead of 60 seconds\*
- Acoustic and I.R. Discretion, engine of the vehicle stopped, only battery energy required (24V)

*\*compared to current hydraulic drive system*

# ELDS

## Electrical Launcher Drive System

### Main features

- . No modification of existing support vehicles
- . New counterbalanced actuators (patented) implying better liability of batteries and actuators
- . Use of existing and current dedicated batteries (24V)
- . Asynchronous motors and standard safety inverters
- . Super capacitors to perform better EMC characteristics and lower battery consumption

### Main operational advantages

- . Low acquisition and through-life-costs (almost no maintenance required)
- . Reduced power consumption (50% less thanks to counterbalanced actuators)
- . Major cover protection for launcher (engine stopped and fast stow)
- . Multi-target pointing
- . Open interface to any Firing Control System (actually EFCS previous)
- . Modular design and integrated build in test ease maintenance



*Prototype demonstrator view*

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