




LEKTRO

Electric Towbarless Tow Vehicles

- 
- A large white airplane is parked on a tarmac. The word "QATAR" is visible in blue and orange lettering on the side of the fuselage. The tail section of the plane is visible on the left, with "DC" written on it. The background is a clear, light blue sky.
1. History / Introduction
 2. Current Users
 3. Advantages of *LEKTRO* vehicles
 4. Summary / Closing Comments

Briefing Outline ₂

LEKTRO Factory



LEKTRO began operations in 1945 and has been in its Warrenton, OR WWII 98,000 sq. ft. facility since 1948.

LEKTRO HISTORY ₃

- Towbarless towing was first pioneered by LEKTRO in 1967.
- LEKTROs were initially used for corporate aircraft and now used by commercial airlines worldwide.
- LEKTRO currently has over 5,200 units in operation worldwide.



LEKTRO HISTORY 4

LEKTRO Airline Customers

- Aero Mexico Connect
- Air Canada
- Air China
- Air Nelson
- Air New Zealand
- Air Wisconsin
- Alaska Airlines
- America West
- American Airlines
- ANA
- ASA
- Bar XH
- ComAir
- Continental Express
- Delta
- Envoy Air
- Express Jet
- Horizon
- Island Air
- Jazz Air
- Mesa
- Mesaba
- Middle East
- Perimeter
- Piedmont
- Pinnacle
- Porter
- Qantas Link
- Qatar Airways
- Shenzhen
- SkyWest
- Southwest
- Sun Air
- United
- US Airways
- West Air

QUALITY ADVANTAGES

- Rugged and Durable
- Used in most extreme applications
- Highest Quality Components
- High Temperature/Sun Compatibility
- Components rated for high temperatures
- External fan forces air into drive motor under low-RPM/heat buildup conditions
- Less-complicated, solid-state components (most locally available)

The *LEKTRO* Advantage ₆

OPERATIONAL ADVANTAGES

- Entire chassis and all deck surfaces coated with polyurethane coating to absorb heat, insulate components, and reduce temperature to the touch.
- Eliminates purchase of towbars and tow heads
- Reduces aircraft damage due to jackknifing
- Eliminates back injuries handling heavy towbars
- Fewer components and systems to maintain
- Much easier to learn to operate than conventional tractor (Approximately 1/10 of the time)

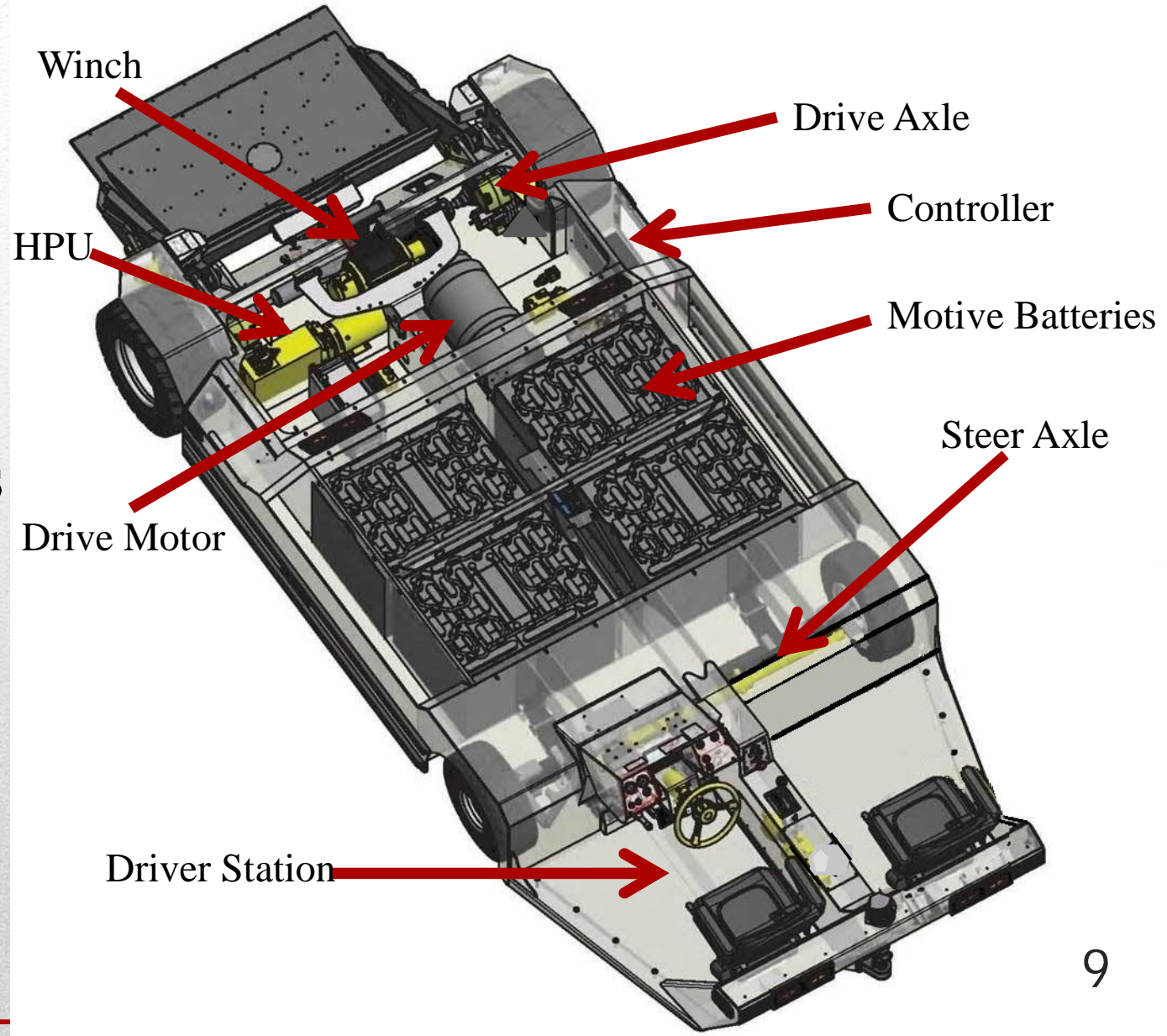
The ***LEKTRO*** Advantage ⁷

MAINTENANCE ADVANTAGES

- No expense/time spent performing combustion engine maintenance
- Service easily performed by customer or local forklift service company
- Factory Trained Service Techs based in Dubai
- 24/7 Factory F.O.C. Telephone Tech Support
- Full 1-year warranty covering Parts, Labor, and Shipping
- Parts ship same day – “AOG”

The ***LEKTRO*** Advantage ⁸

Easily Accessible Components



1360 Amp Hour Lead Acid Batteries

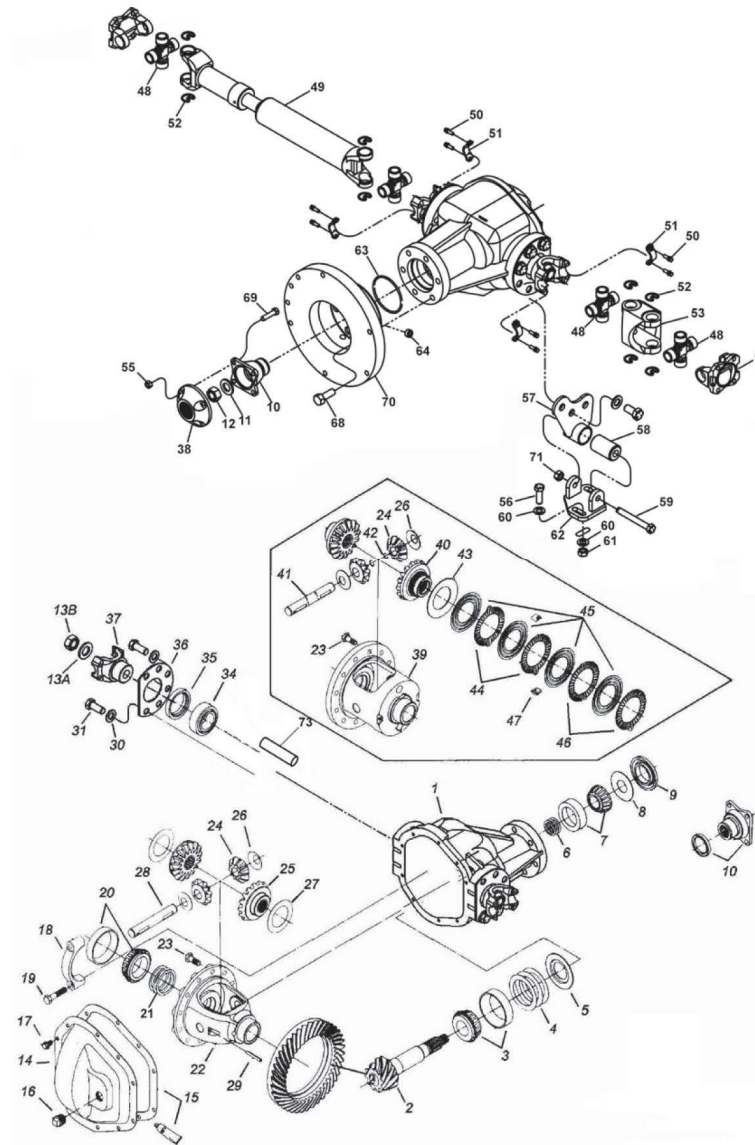


- **Batteries have been known to last 14-18 years in high-use airline applications before needing replacement**
- **4-5 hrs. non-stop operation per charge**
- **Central battery hydration system**
- **No tune-ups required**
- **No starters, spark plugs, carburetors, etc.**
- **No oil-changes required**

The ***LEKTRO*** Advantage ¹¹

Sample
Manual
Page
Depicting
Exploded
View of
Components

Drive Train, Intermediate



Summary:

- a. LEKTRO tugs are safer, environmentally friendly, cost-effective, require less maintenance and will save money.
- b. With over 5,200 units currently in operation around the world, LEKTRO is the world leader in all-electric towbarless towing.
- c. LEKTRO's long-term history and broad base of world-wide customers has resulted in a product that is highly-versatile, safe, efficient, and easy to use.