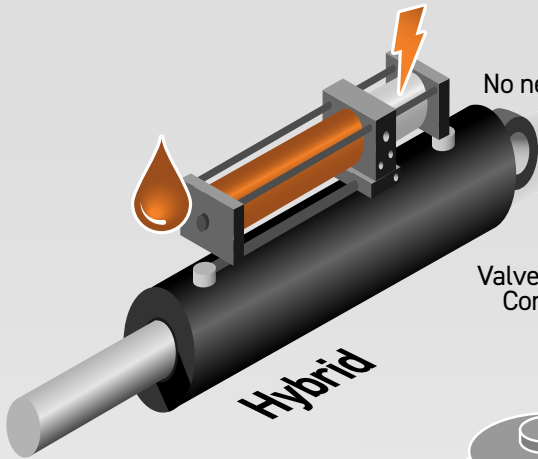
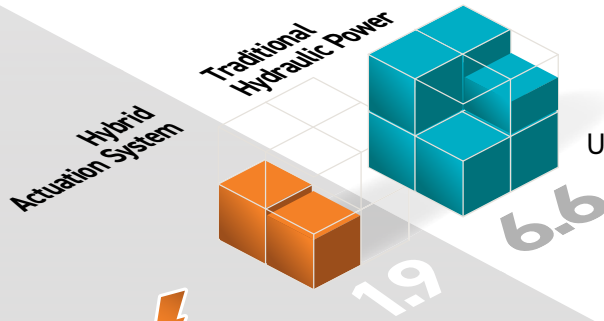


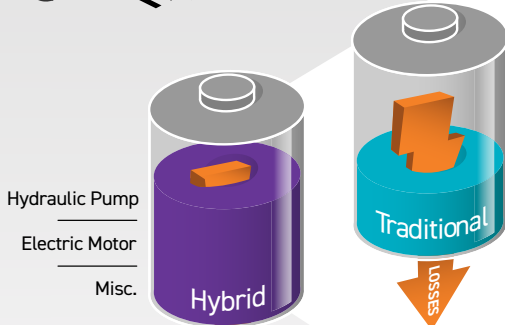
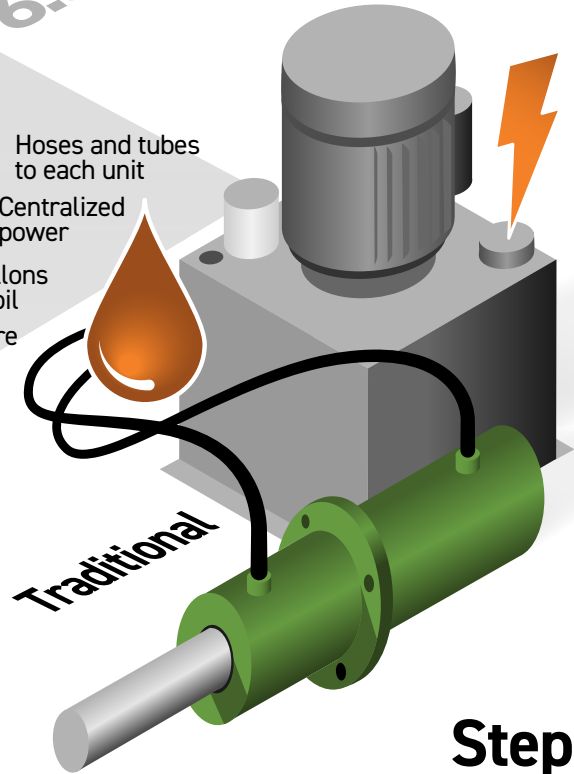
Hybrid Actuation System (HAS) vs. Traditional Hydraulic System

Space Needed (Cubic Feet)

Using 2.5" bore / 24" stroke cylinder



No need for hoses and tubes **VS.** Hoses and tubes to each unit
Localized power **VS.** Centralized power
Quarts of oil **VS.** Gallons of oil
Valveless Control **VS.** Pressure Drop Valve Control



Energy Efficiency
(Cost per year in losses)

Steps Required for Installation

