
Power and Hydrostatic Systems Development and Controls

Triverus has a core competency in development of hydrostatic power and control systems used for industrial and off-highway vehicles. We work with major hydrostatic vendors such as Sauer Danfoss, and Parker to integrate systems to solve market needs. Our MCRRS off-highway platform build for the Navy uses a hydraulic architecture to accomplish propulsion and several other complex controlled systems. We have in-house development capabilities from designing a system architecture to HMI (Human Machine Interface) adaptation. We are experienced in implementing EPA Tier II (Mechanical) and Tier III (Electronic) Cummins Diesel engines as a base for our TQEC 4.5 (Quick Engine Change) module. A mobile piece of equipment can be repowered within 1-2 hrs without hydraulic oil loss. The unit is also compatible with JP-5 and JP-8 military fuels.

Capabilities Include:

- Manifold Development
- Sauer Danfoss Plus 1 Development (In-House)

HMI programming and development

Cummins Diesel Powerpack design

Industrial automation and Controls