



Recovering casualties and transporting sensitive equipment often requires personnel to enter dangerous environments under significant time pressure. Beyond simply reaching the destination, the transport itself can impact casualty outcomes and damage critical payloads through excessive vibration, shock and poor route conditions.

Challenges

- Rapid casualty recovery from hazardous areas
- Safe transport of sensitive personnel, equipment and mission-critical cargo
- Operations in remote, degraded and contested environments



Solutions

DaemonCore and PilotOS enable autonomous casualty evacuation and sensitive cargo transport while continuously monitoring vehicle, terrain and environmental conditions.



Using advanced environmental sensing and ride-quality assessment, DaemonCore evaluates terrain conditions, vehicle dynamics and payload impacts in real time. The system adapts vehicle behaviour and route execution to minimise vibration, shock and unnecessary movement, helping protect casualties and sensitive equipment throughout the mission.



PilotOS provides mission orchestration, autonomous navigation and operator oversight, enabling vehicles to execute transport missions with reduced personnel exposure and minimal operator workload.

- Move casualties and critical payloads safely through hazardous environments while protecting both the mission and the people it supports.