

GROUND VEHICLE SURVIVABILITY & PROTECTION (GVSP)

OCCUPANT PROTECTION LABORATORY OFF-SITE TESTING SUPPORT (OPL)

The Occupant Protection Laboratory (OPL) provides existing partnerships and experience to perform the testing with proven providers such as the Engineering Research and Development Center (ERDC), National Ground Intelligence Center (NGIC), and other contractor facilities.

The OPL can assist with the coordination and provide off-site test support for its customers with Data Acquisition Systems (DAS), ATDs, instrumentation, cameras, and test consulting.

CAPABILITIES

OPL Partners offer several scenarios to extend the subsystem performance and integration. OPL technicians instrument the test fixtures and subsystems to compare improvements against the baseline for:

- Dynamic rollover testing
- Generic hull underbody blast testing
- Vehicle born improvised explosive device (VBIED) blast testing

AVAILABLE INSTRUMENTATION

- 5th, 50th, and 95th Hybrid III ATD
- Accelerometers: 7264 style, 2K range or other upon request
- Load Cells: upon request
- High Speed Video: 5,000 fps



Generic Hull Live Fire Test



Generic Hull



Vehicle Live Fire Test