

Program Description

Lockheed Martin Missiles and Fire Control, located in Grand Prairie, TX, is developing a new indoor integration facility to support both government funded programs as well as company initiatives. The facility completion date is anticipated to be approximately March, 2013. The facility is being designed to support large scale turret development, integration and test activities.

The first use of the facility will be in support of the US Army Ground Combat Vehicle (GCV) development program. Lockheed Martin is responsible for development of a stabilized turret which will be mounted on a motion base within the facility. The GCV turret will include a GPS aided inertial navigation system (INS).

In addition to the GCV program, the facility will also support similar IR&D and CR&D activities as well as other government funded programs.

A GPS repeater will be installed within the facility in order to provide GPS signals to the turret mounted INS in support of integration and test activities. The GPS repeater will rebroadcast both L1 and L2 frequencies to the INS to simulate an un-obscured “live sky” view of the GPS constellation.