



ASTOR

AIRBORNE STAND-OFF RADAR

Airborne Stand-Off Radar (ASTOR) is a ground surveillance system designed to provide information about the deployment and movement of enemy forces.

It uses state-of-the-art radar technology to obtain high resolution imagery of static features and, operating in an alternate mode, it is capable of identifying and tracking moving vehicles. Imagery gathered is transmitted in near-real-time to a network of distributed Ground Stations deployed with the front-line forces. Facilities within the Ground Stations will permit the display and analysis of imagery, thus ensuring that the tactical commanders are aware of the latest developments on the ground.

HGI provide the generators that power the ground station network. Each generator consists of a John Deere 3029D engine, running at 1500rpm, close coupled to a Newage, AVR controlled alternator.

- The sets are mounted in an extremely rugged, acoustic canopy which is in turn mounted on a specially adapted version of an in-service trailer.
- The units are 3-phase, 415V and provide 28.7kVA of power at 25°C, 30% RH at sea level.

- The generator is capable of running on both F34 Dieso and F54 AVTUR and has an onboard fuel tank with enough capacity to give 12hrs running at full load.
- The generator sets conform to Class C of Def Stan 59-41 for EMC, Category level 3 of Def Stan 08-6 Part 2 for noise as well as other standards for NEMP, LEMP and environmental conditions (sand, dust, snow, ice, rain, wind, etc).
- The canopies are coated in an infra-red reflective powder-coating and the set is able to run in black-out conditions.

