INERTIAL MEASUREMENT UNIT
A localization device that assists in determining the position and orientation of the UGV.

GROUND CONTROL STATION
- A portable central base station for controlling the team of UGVs.
- Receives and sends data to UGVs on field so all UGVs have access to updated information.
- Enables interaction with UGVs through a touchscreen.
- Encased within a custom designed mechanical case that enables quick set up and ease of transport and handling.

MOTOR CONTROLLERS
Allows for accurate velocity and position control of the motor assemblies.

ONBOARD COMPUTER
A compact, fanless computer with 1.6GHz Intel Atom processor.

GPS UNIT
A Global Positioning System to assist in determining the position of the UGV.

POWER SOURCE
A pack of lithium ion batteries that provide over 3 hours of operating time.

4 PORT ETHERNET SWITCH
A set of extra ports for the connection of hardware.