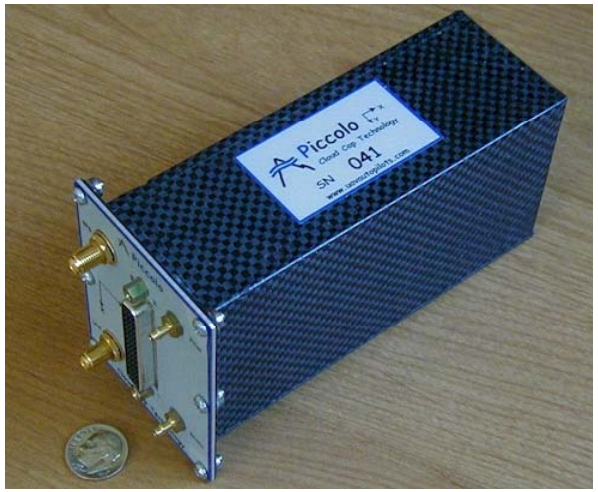
Control Station Description

- Each UAS autopilot unit is monitored and controlled by its operator using laptop computers which are part of the ground control station. Each UAS has its own operator. During autonomous flight, the operator has full knowledge of the state of the autopilot unit including data such as the GPS location and flight path of the vehicle. The operator can also reconfigure flight plans in real time to suit a change in mission.

- Through the ground control station, the external pilot can assert manual control of any one of the UAS using an R/C style handset. This feature is used for takeoff and landing.

Avionics and Control Hardware



Piccolo Avionics (One per UAS)

Piccolo Ground Station

Laptops w/ Control Software (One per UAS)

UAV Control Interface - Piccolo