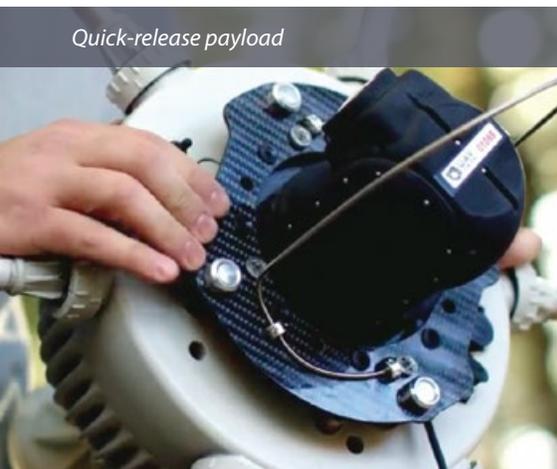


> PARC™

The Tethered Drone



Multi-day continuous flight



Quick-release payload

CyPhy Works' PARC™ (Persistent Aerial Reconnaissance and Communications) platform provides stable, secure, autonomous flight. PARC allows you to focus on the business mission, rather than on controlling the UAV.

- Multi-day Operations**
 - The patented, reinforced, yet headphone cord-thin, microfilament tether provides secure communication and power to ensure days, not minutes, of autonomous flight.
- 5-minute setup**
 - Quick, tool-less assembly for ease of use and transportation.
- Modular payloads**
 - Quick-release payload mount enables the switching of payloads in the blink of an eye, and allows you to continue your operations quickly and seamlessly.
- 400 ft. operating altitude**
 - The current legal limit set by the FAA.
- All-weather capable**
 - MIL-STD to be extremely rugged, resistant to wind, precipitation, and airborne debris.
- Man-portable**
 - Entire system is delivered in easy to transport rugged shipment cases.
- Reliable, continuous flight**
 - Powered by a ground source, with backup battery onboard for safe, autonomous landings if base station power is interrupted.

Parameter	Performance
Air Vehicle Maximum Operating Altitude	≤ 122 meters (400 feet) AGL. 10k feet density altitude (As function of elevation and temperature).
Air Vehicle Operation in Wind	Operate in sustained winds ≤ 25 knots (29 mph) up to max operating altitude, operate in wind gusts ≤ 35 knots (40 mph). Launch and land in surface winds ≤ 15 knots (17.2 mph).
Operating Temperature (PARC System)	-20°C (-4°F) to +45°C (+113°F)
Storage Temperature	-40°C (-40°F) to +65.5°C (+150°F)
Humidity	≤ 94 ± 4% relative humidity
Rain	Up to 0.5 inches per hour
Enclosure Rating (Sealing)	IP53 (dust protected / water spray), meets MIL 810G.
Transportation/Environments	Compliant to MIL-STD-810 Secured Cargo (Vibration), Tactical Transport (Drop), Water-tight/Airtight (Immersion) transport methods. Compliant with MIL-STD-1472.



Public safety operations

Increased Awareness for SEAR 1 & 2 Events

CyPhy flew PARC™ at three SEAR 1 & 2 events: Boston Marathon, Sail Boston and Boston Pops Fireworks Spectacular. Each posed large public safety challenges for Federal, State and local agencies. With a camera payload and a secure feed into emergency operations centers, Massachusetts Emergency Management Agency (MEMA), Massachusetts State Police and local law enforcement received hours of aerial views into areas previously lacking security coverage.



Disaster recovery missions

New View for Red Cross Recovery Efforts

Using PARC, American Red Cross relief crews responded much faster to the needs of people devastated by Hurricane Harvey. Instead of multiple team members driving, boating or walking to remote or inaccessible homes to assess the damage, they could view multiple locations from the back of an SUV in a central position. Flying PARC allowed them to quickly identify issues, manage resources and record the actual scene for future evaluation. With funding from the UPS Foundation, the vision is to create a rapid response unit that can deploy as soon as a disaster occurs.



Sprint payload evaluation

Extended Range for Sprint's Data Services

CyPhy teamed with Sprint to fly Sprint's all-wireless small cell: Magic Box. The test proved that when modified for flight and added to PARC, Sprint's 2.5GHz payload will increase or create communications services when demand is up or traditional coverage is down. The teams agreed this could be the solution to restore service to hard-to-reach locations following natural disasters.

"By putting a small cell into the sky, we can literally fly in data services to areas we otherwise might not be able to reach. And it's covering up to 10 to 20 square miles."

— Günther Ottendorfer, COO Sprint Corporation