



YO-YODYNE · RALLY POINT

WHEN THE ROAD IS GONE, THIS IS WHERE YOU RALLY.

An expeditionary unit designed to pull water from the air, generate its own power and provide satellite communication, dropped in when there is no time, or no road, for a convoy.

Water from air

Target 10–17 L/day in desert air and 9–16 L/day in humid air with the standard booster, plus 160 L stored and ready to drink.

Sun, not fuel

Target 800 W solar and a 5.12 kWh battery that ships charged. Sunlight is the only fuel it needs.

A link out

Starlink satellite link on a schedule. Beacon to be found, or Stealth for those with the coordinates.

Drop it in

By truck, sling or A-22 cargo drop. Target: 72 hours for a 9-person squad on stored water, about 4.4 days.



RALLY POINT: THE FACTS

Water, power, communications and a medical bay in one air-droppable locker. A separate YoYoDyne product line.



CONCEPT STAGE (TRL 2) · PATENT PENDING · Every spec below is a DESIGN TARGET or estimate

SPECIFICATIONS (ALL DESIGN TARGETS)

Item	Rally Point	Status
Water from air	10–17 L/day desert (20–30% RH); 9–16 L/day humid; hybrid sorbent with a standard booster	TARGET
Stored water	160 L: 60 L crush-protected tank plus the 100 L water skid beneath it	TARGET
Solar	800 W on fold-out wings; 3 kW wing array as an add-on	TARGET
Battery	5.12 kWh LiFePO4, ships charged	TARGET
Endurance	72 h target for 9 people; 160 L of water lasts about 4.4 days	TARGET
Comms	Starlink on a schedule; Beacon, Stealth or Park quiet	TARGET
Medical	Sealed medical bay; phone and radio plugs; pack readout	TARGET
Water core	Spare cartridges ship with the unit (about a 30-day swap)	TARGET
Delivery	Truck, helicopter sling or A-22 cargo drop	TARGET
Drop rating	Designed to drop full in one A-22 (about 1,200 lb rigged); unit about 359 kg with 60 L, 492 kg with both tanks full (estimates)	TARGET
Upkeep	Runs unattended; one service visit per year	TARGET



Rally Point in the desert. Concept render.

WHO IT SERVES

Defense
Disaster and wildfire
Remote homestead
Humanitarian, mission

**Squad
Relief
Home
Aid**

One service visit a year refreshes the filter cartridge and the medical insert.

KEY FACTS AND IP STATUS

Status

Concept stage (TRL 2). Targets are derived from published component and lab data, and prototype testing replaces them with measured results.

Path to field

Next: lock the design and build plan, then build and measure the first droppable unit.

Patent pending

U.S. provisional patent application 64/176,776, filed October 14, 2026. Inventor: L. Barton Womack Jr.

USE CASES AND BUYERS

Government and military

Squads and forward teams get water, power and a link without waiting on a convoy. Pre-positioned or air-dropped.

Business and NGO

Fire departments, disaster agencies, humanitarian and mission sites, and state parks beyond the grid.

Consumers

Remote homesteads: a lifeline that makes its own water and power when the grid and the roads fail.

THE MARKET NEED

"The benefits include minimizing the logistics footprint, reducing risk to Soldiers, and increasing the availability of water in the combat zone without using resupply."

Maj. Ryan T. Hulse, CASCOM, on Army water-from-air systems · Army Sustainment (army.mil), Feb 29, 2016

"We do know that full service restoration will be measured in weeks, not days."

Clay Chandler, City of Asheville water spokesperson, after Hurricane Helene · Asheville Watchdog, Oct 5, 2024

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Rally Point is at concept stage (TRL 2) and patent pending. Every specification is a design target or estimate. Images are concept renders of the flat matte black unit. Quotes are verbatim and describe the need. Not an offer of securities. Separate product line from Escape Pod.