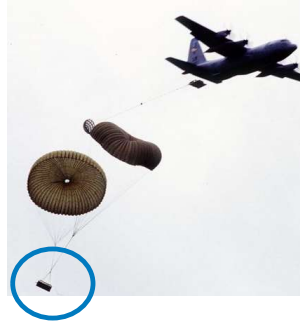
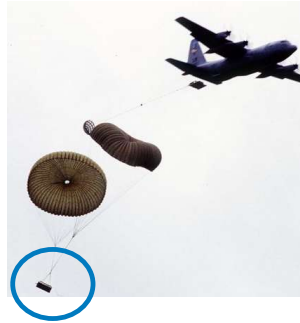




Benefits of Replacing Cardboard Honeycomb & Plywood skid board with Reusable Parts - **REAL & RUSB**

October 24, 2025

Benefits of Reusable Parts - **REAL & RUSB**



Dr. Daryoush Allaei, PE

Chief Technology Officer
QRDC, Inc.

E: dallaei@qrdc.com, P: (952) 556-5205 or Mobile: (612) 380-4433

Website for more information:

1) <https://www.qrdc.com/library/real-reusable-energy-absorbing-layer/>

2) <https://www.qrdc.com/>

October 24, 2025

Summary - Why Using REAL & RUSB?

- **Financially**: Save cost of ownership
- RUSB and REAL have been successfully airdropped by Air Force Bases more than **820** times.
- We had **5** **incomplete parachute opening-**
No damage to RUSB or payload on CDS platform was observed.
- **Sustainability**: REAL & RUSB are sustainable.
- **Readiness**: Improving Arm Forces readiness.
- **Weatherproof**: Insensitive to moisture/rain/temperature.

Current Status (continued -6)

Total Number of Airdrops

Current Status (continued -6)

Total Number of Airdrops (March 24 - Sept 25)

Base #	Air Force Base	Airdrops for all CDSs
1	Little Rock, AR (June 2025)	62
2	Hurlburt Field, FL (Sept 2025)	151
3	AFB Ramstein-Mie, Germany (July 2025)	20
4	109th Airlift Squadron, MN (August 2025)	61
5	109th AW Base, Scotia, NY (black top DZ) (July 2025)	49
6	374 Logistics Readiness Squadron, Yokota, Japan (Aug 2025)	39
7	773 Joint Base Elmendorf-Richardson, AK (Sept 2025)	390
8	97 th Logistics Readiness Sq, Altus AFB, OK (Oct 2025)	32
9	193 rd Special Ops Squadron, Middletown, PA (Aug 2025)	16
10	27 th SOLRS / LGRDAS, Cannon AFB, NM (Oct 2025)	No Report yet
11	347 OSS/OSK ADSB, Moody AFB, GA (Nov 2025)	No Report yet
Total for all CDSs		820

No Report Yet

RUSB and REAL CDSs have been airdropped over 820 times.

Airdrops with Parachute Not properly opened REAL/RUSB CDS Airdrops

- * **Airdrop at AFB Ramstein-Mie, Germany – October 2024**
Mass of 4 CDS airdrops was captured.
REAL/RUSB CDS were not damage.
No Damage to Barrels.
- * **Airdrop at AFB Ramstein-Mie, Germany – June 2025**
2 CDS bundles get caught up with each other &
totally snagged for the first half of the drop.
Resulted in parachute damage.
RUSB bundle was fine (no damage).

Airdrops with Parachute Not properly opened REAL/RUSB CDS Airdrops

* 773 Joint Base Elmendorf-Richardson, Alaska AFB (May 2025)

First Mass of 4 was dropped with all parachute properly opened.
Second Mass of 4 had 2 incomplete parachute openings.
RUSB bundle was fine (no damage), see following images.

* 97th Logistics Readiness Squadron, Altus AFB, OK, USA

First Mass of 4 was dropped with all parachute properly opened.
Second Mass of 4 had 2 incomplete parachute openings.
RUSB bundle was fine (no damage), see following images.

* 193 Special Operations Squadron, Palatine, PA, USA

First Mass of 4 was dropped with all parachute properly opened.
Second Mass of 3 had 1 incomplete parachute openings.
RUSB bundle was fine (no damage), see following images.