

March 2018

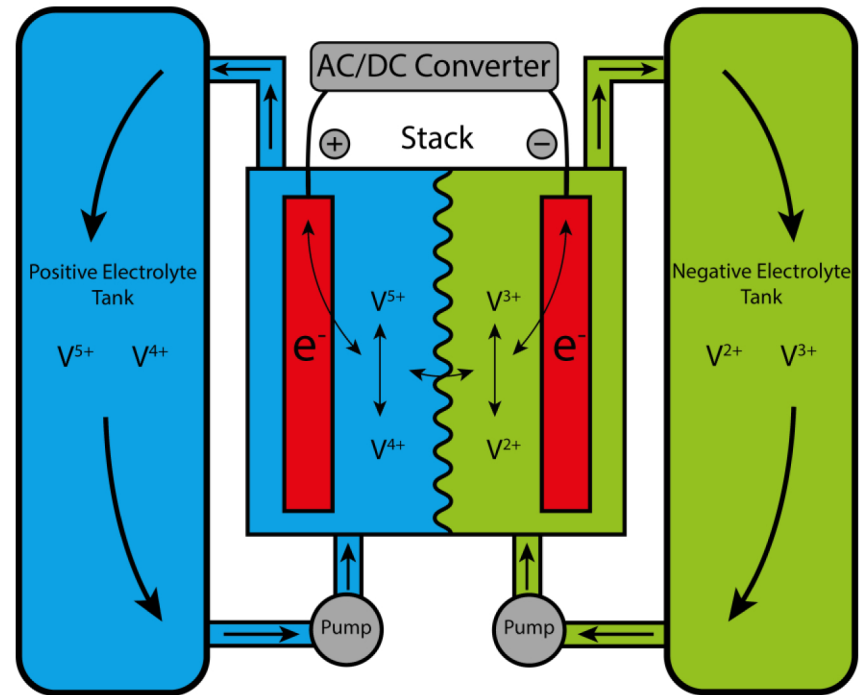


redT
energy storage

Liquid Energy Storage

- Conventional batteries have fixed power and energy locked together in the cell – redT energy storage machines are modular and decouple power from energy – sized to your exact needs
- Our energy storage machines use liquid electrolyte contained in tanks outside the stack and pumped through it – like a car engine and fuel tank – albeit, with fuel that does not degrade or run out.
- Long duration storage, with 100% depth of discharge functionality that doesn't deteriorate over time

[VIDEO: How redT's Technology Works](#)



Lithium vs Flow Machines

Batteries

Cheap Power



Short Life



High Levelised Cost of Ownership



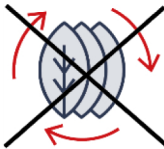
High Maintenance & % Degradation cost



0 to 50% depth of discharge



Not recyclable & environmental waste issue



Thermal runaway fire risk up to 25C temp restricted



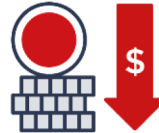
Cheap Energy



Long Life, infrastructure



Low Levelised Cost of Ownership



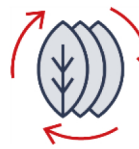
Low Maintenance No Degradation



100% depth of discharge



Fully reusable & environmentally friendly



Safe, no fire risk



Machines

redT energy storage machines

- Develops and Manufactures **Liquid Energy Storage** Machines for **Commercial & Industrial** Applications
- **UK-Based, Public** Company (red:L), Office locations in UK, EU and Africa
- **19 years** of development, proven technology in the field
- **Machines** across UK, EU, Australia & Africa
- **7.5 years** equivalent operating machines
- **Lowest Cost** Vanadium Energy Storage Machines available globally.



100% Depth of Discharge



Long Lifespan



Modular & Scalable



Low Levelised Cost of Ownership



Safe



Low Maintenance



Remote Monitoring



Environmentally Friendly

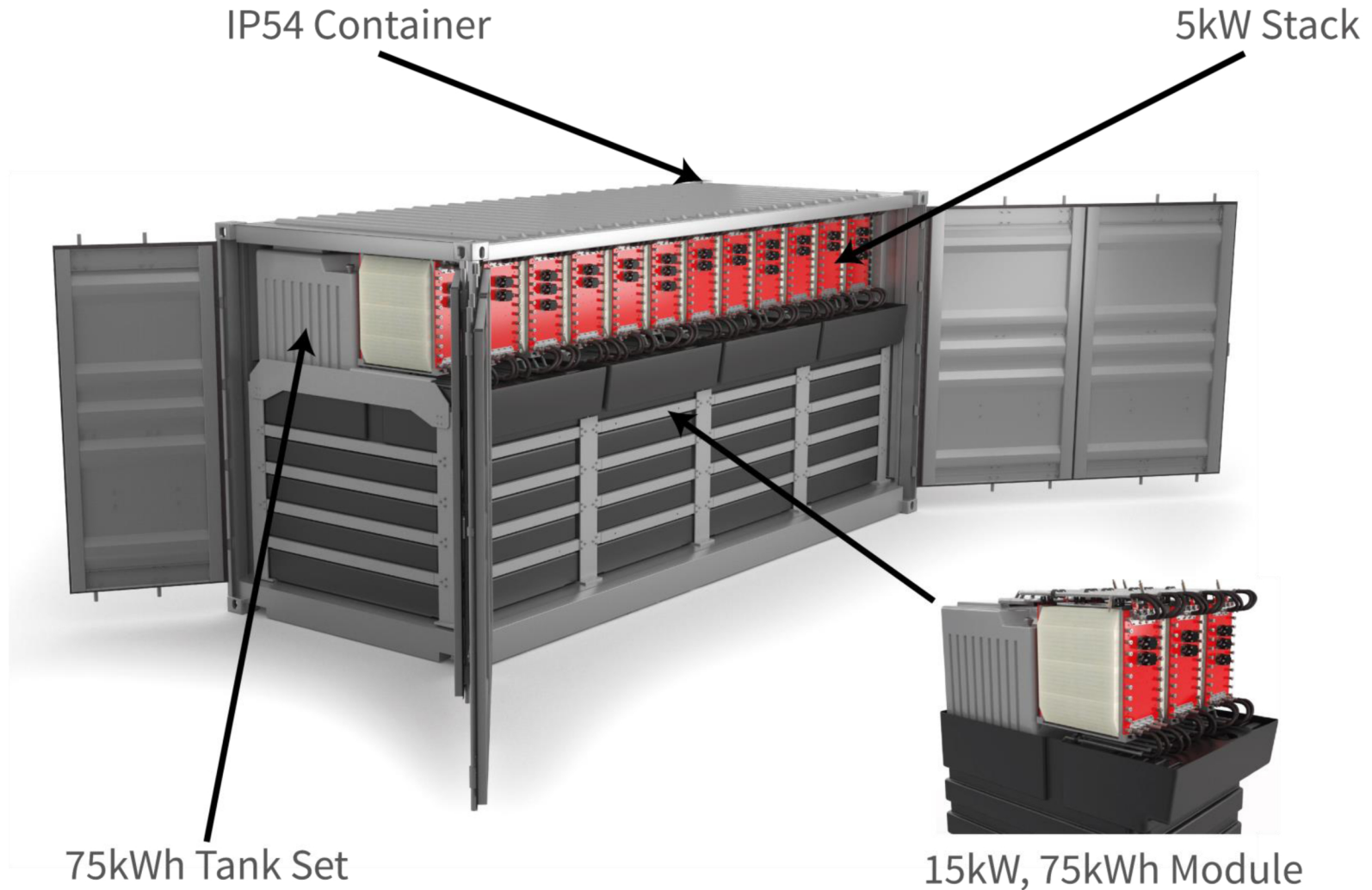
JABIL



Jabil Circuit Inc. has approx. x7 the global manufacturing floorspace of Tesla's Gigafactory

redT
energy storage

redT Energy Storage Machine



Product Range

Product name	Rated power	Discharge duration*	Rated energy	Dimensions
redT 10000-50000	10MW	5 hours	50MWh	Multi 20" Hi-Cube containers
redT 5000-25000	5MW	5 hours	25MWh	Multi 20" Hi-Cube containers
redT 1000-5000	1MW	5 hours	5MWh	Multi 20" Hi-Cube containers
redT 500-2500	500kW	5 hours	2500kWh	Multi 20" Hi-Cube containers
redT 100-500	100kW	5 hours	500kWh	Multi 20" Hi-Cube containers

Product name	Rated power	Discharge duration*	Rated energy	Dimensions
redT 60-300	60kW	5 hours	300kWh	20" Hi-Cube container
redT 40-300	40kW	7.5 hours	300kWh	20" Hi-Cube container
redT 45-225	45kW	5 hours	225kWh	20" Hi-Cube container
redT 30-225	30kW	7.5 hours	225kWh	20" Hi-Cube container
redT 30-150	30kW	5 hours	150kWh	20" Hi-Cube container
redT 20-150	20kW	7.5 hours	150kWh	20" Hi-Cube container
redT 15-75	15kW	5 hours	75kWh	10" Hi-Cube container
redT 10-75	10kW	7.5 hours	75kWh	10" Hi-Cube container
redT 5-40	5kW	8 hours	40kWh	10" Hi-Cube container
redT 5-20	5kW	4 hours	25kWh	6'6" Hi-Cube container

*Continuous discharge duration at rated power. Duration is proportional to power requirements i.e. if discharging at 50% rated power, duration is doubled.