



Corporate Presentation

2017

Introduction to redT

- A public company (red:L) delivering **Liquid Energy Storage Machines**
 - **25+ year technology life** – Industrial/Commercial focus
 - **Bankable**, energy infrastructure asset
- One of the **market-leading** providers of vanadium energy storage
 - 12 years' development, supported by legacy Camco business
 - Technology **proven and protected** with patents and IP
 - **>2MWh generation 1 products operating** as market seeding units
- **One of the lowest cost vanadium energy storage machines globally**
 - <\$500 per kWh, without subsidies
 - Diesel application payback 3-5 years
- **Tier-1 volume manufacturing** agreement with Jabil Circuit Inc.
 - One of America's largest contract manufacturers – NYSE listed, \$3.8bn Market Cap*
 - Global operations with over 100 locations, 28 countries, 180,000 employees

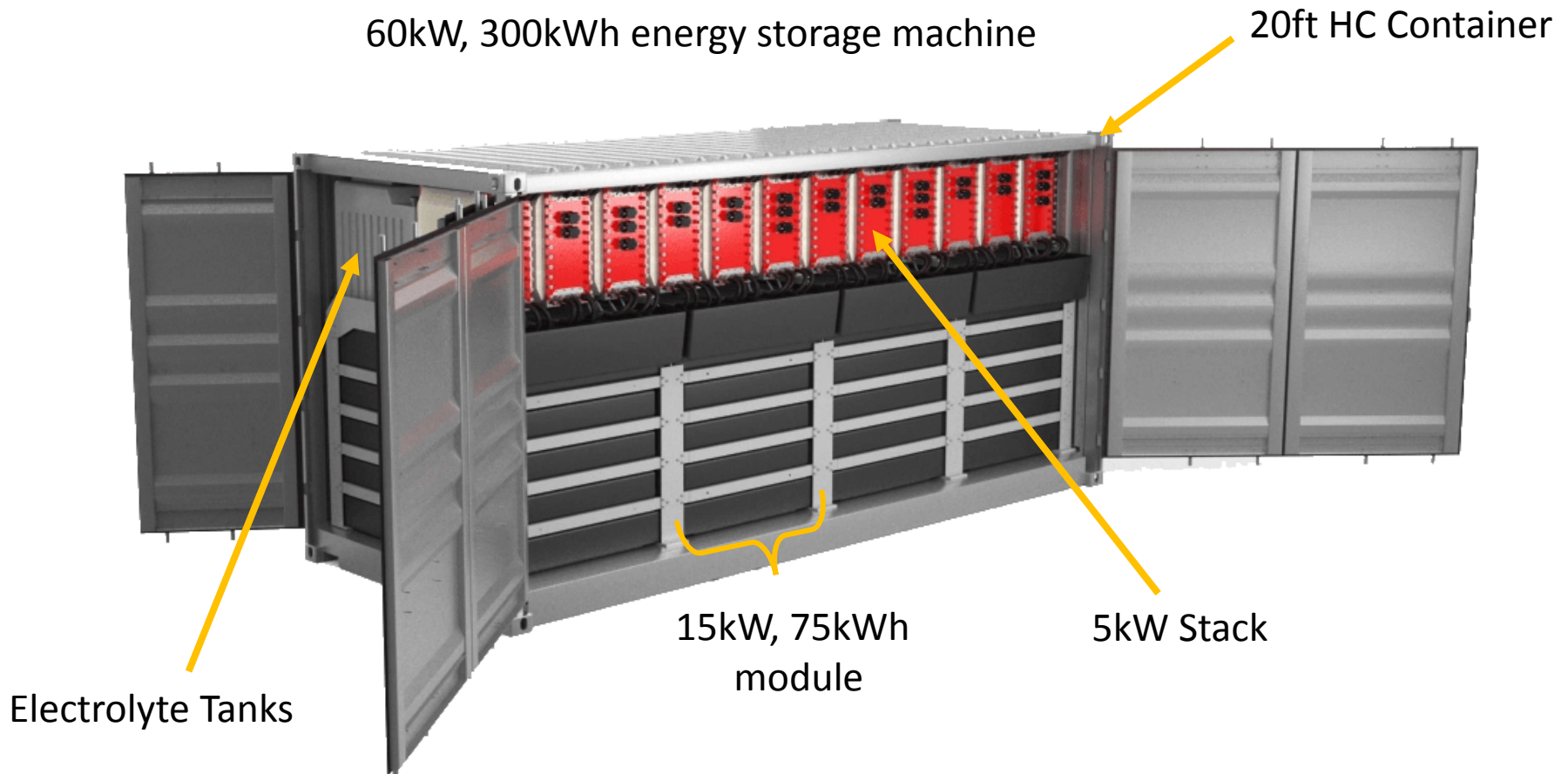


JABIL

redT
energy storage

* as at 8/11/2016

redT Energy Storage Machine



The redT Advantage



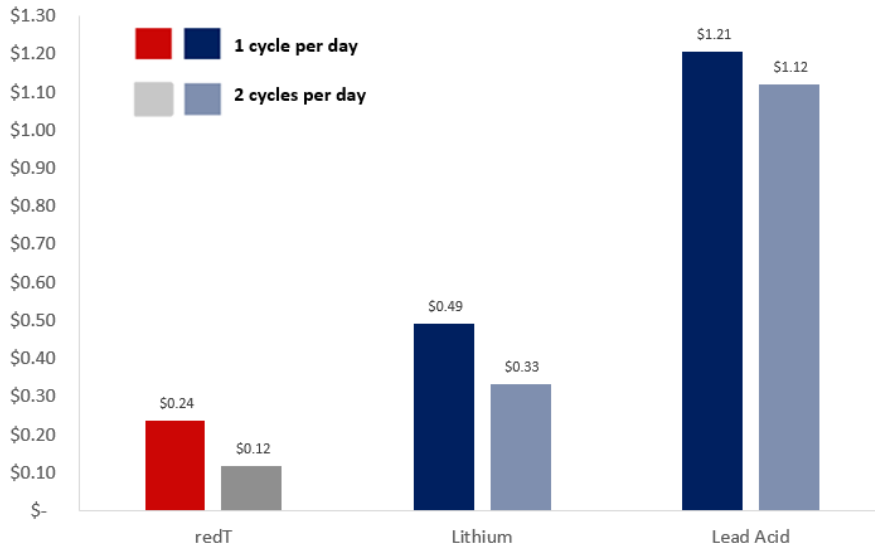
Long Lifespan



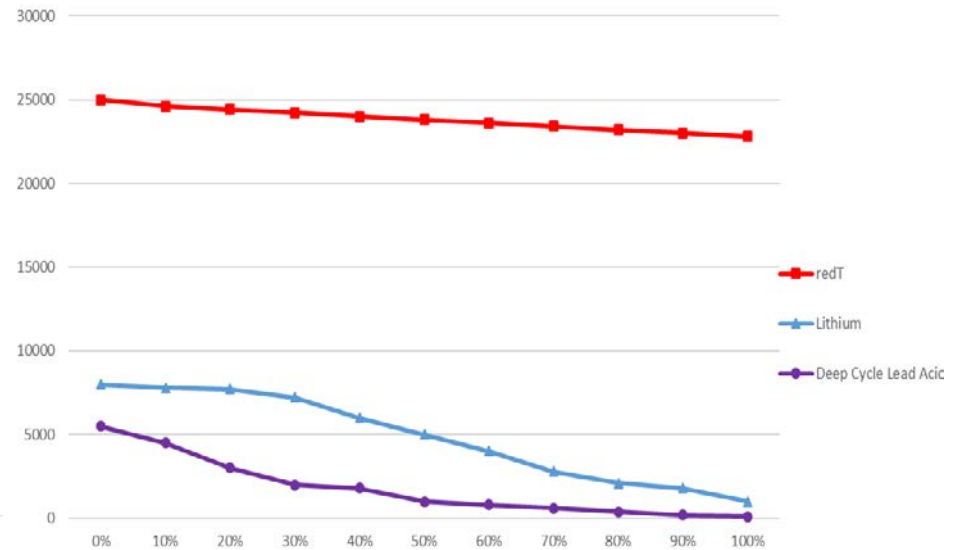
Low Levelised Cost of Storage



100% Depth of Discharge



Levelised cost of storage, \$/kWh



Cycle life vs. depth of discharge

Recent Achievements...



3 Manufacturing Agreement signed with **Jabil**



6 Launch of redT on AIM & **strategic refocus**



8 Contract signed with **E.ON**



10 Large Machines tested with **SSE** at PNDC site



5 1st Gen 1 unit **manufactured**



7 Contract **German** engineering company

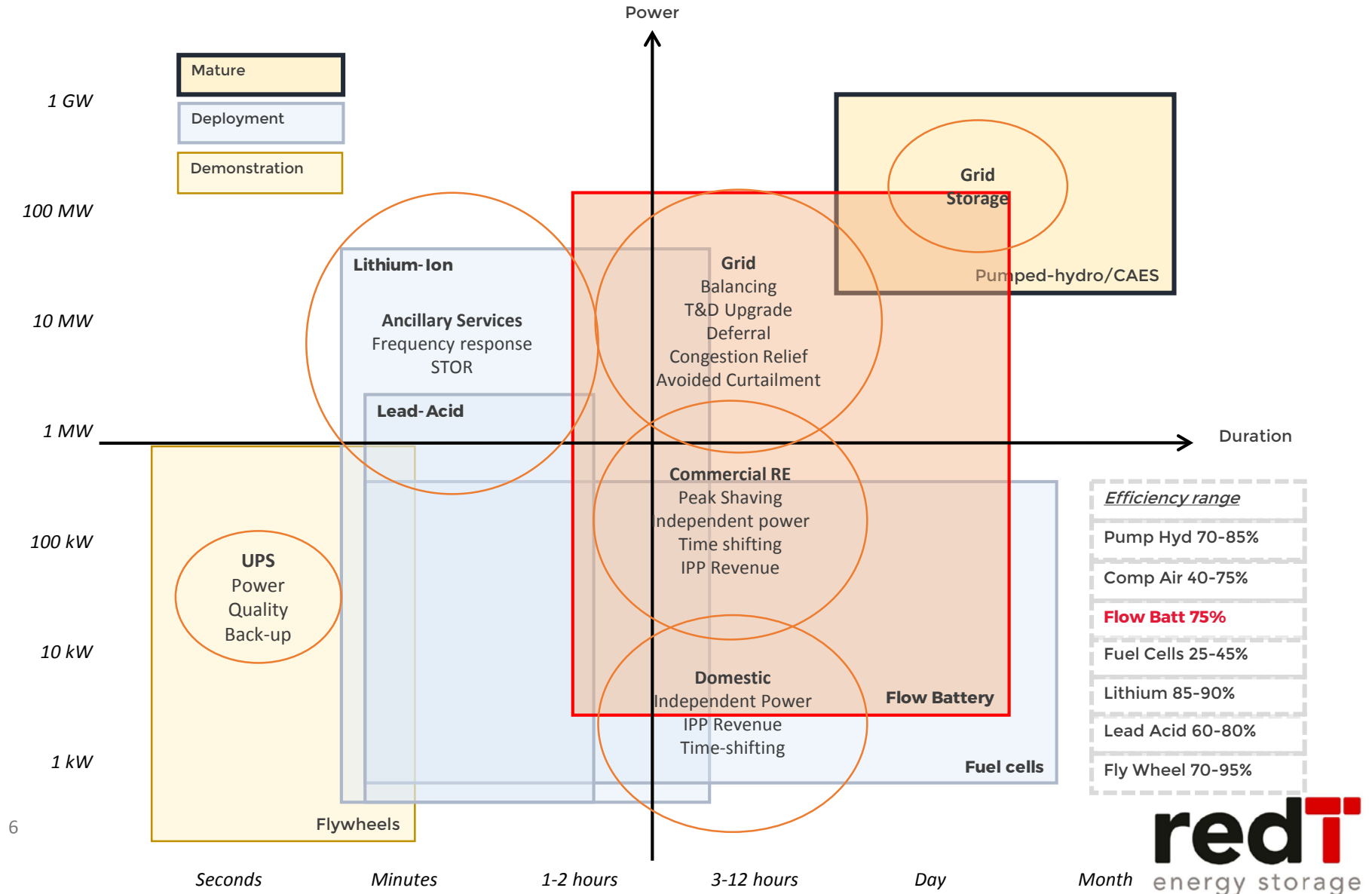


9 1st machines arrive in **Africa**



11 Machines arrive at **Isle of Gigha**

Stationary Energy Storage – Applications



Demand for redT in the market

There is strong market demand now.....

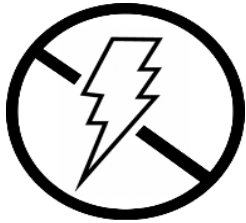


Renewables – Regional Market

Certain geographies now economic; Germany, USA, Australia, soon UK...Solar must have storage to expand past 20% penetration on grid. Time shift + grid balancing services

Market Size

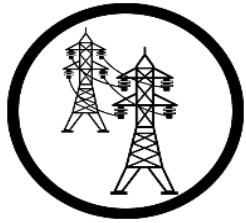
\$65-103bn



Off-Grid & Weak Grid – Key Market

Diesel energy production cost \$0.50 to \$1 per kWh. Solar desired in off-grid, doesn't work without industrial heavy cycling storage, solar + flow machine cost \$0.20-0.30 per kWh (figures indicative of South African market)

\$27bn



Grid Services – Near Term Market

For long duration grid services as primary service (>3hours) as base case, then can perform all grid services at no incremental cost, including energy trading. Policy to price services (not subsidies). Works now in Germany & USA, UK viable in near-term

\$32-50bn
(US Market only)



Telecoms – Response Market

More than 1m off-grid/weak-grid telecom base stations. Although very competitive market – expected penetration over medium to long term. Ultimately most durable low cost reliable and negligible risk of product theft

\$12bn

redT Energy Storage Pipeline

1,685 sales enquiries

100%
Incoming
Enquires

98%
Private
Sector

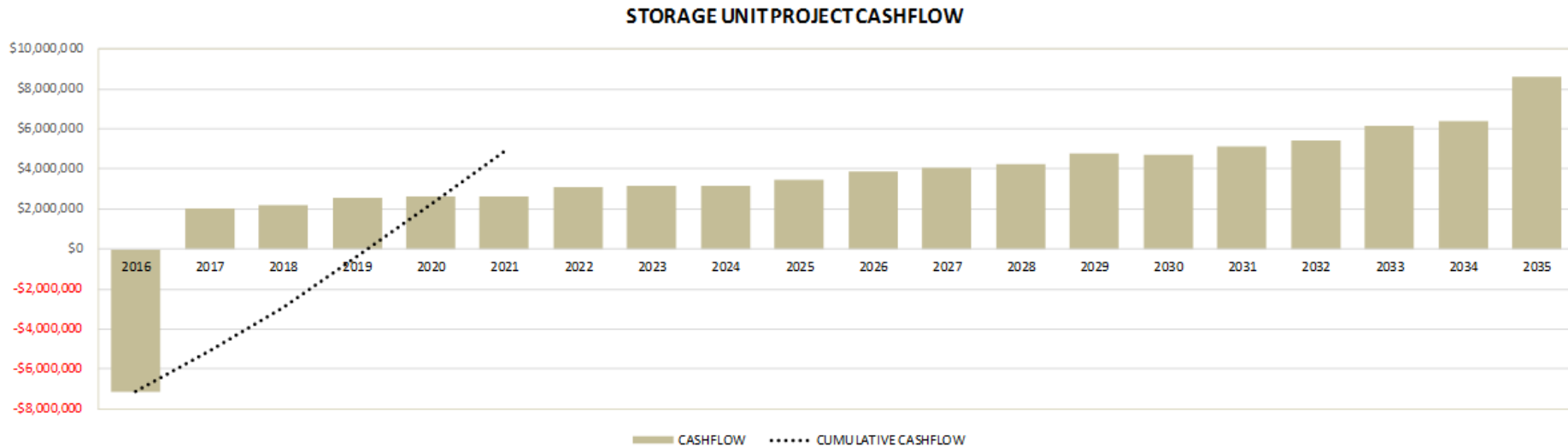
112
Countries

Total Pipeline:
\$263 million
344 MWh
2,608 units

Market Applications – Displacing Diesel

Representative example:

- **Was:** 1.5MWe diesel generator consuming 2.0 m litres of diesel per year (@\$1.1/l and 7.5% diesel inflation with an LCOE of \$0.79/kWh)
- **Now:** 0.8MWe diesel generator consuming 245,000 litres diesel per year with 1.5MW-7.5MWh storage and 2,500kWp solar (\$0.36/kWh)
- Cash saving Year 1 \$1.98 m (diesel and genset) and payback of 4-5 years.



Project IRR = 30%

Simple Payback = 4-5 years

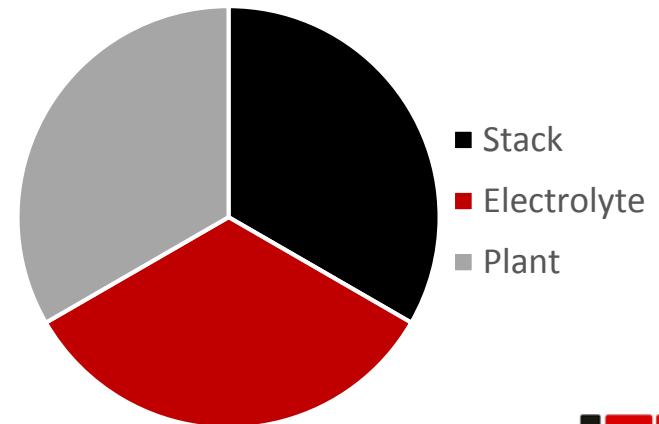
*Discount rate of 6%

**Based on Gen 2 machine

Financial Summary

- redT has no loans or borrowings
- Stable cash position to sustain current business with cash balance at €5.5m for the first half of 2016 (€2.9m at full year 2015). **Fundraise finalised in December 2016 for £14.88m**
- Loss for first half of 2016 at €2.7m, in line with expectations, due to driving forward the key development stage of the business
- Future revenue and margin expectations deliverable and driven by our ability to impact system technology and cost components, as well as expanding services

redT System Components



The Management Team and Board



Scott McGregor – CEO & Exec Director

10 years with Camco Clean Energy & redT as CFO from 2006 and CEO since 2009.



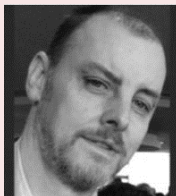
Peter Ridley - CTO

Joined redT in 2001, 20 years' experience in engineering development and commercialisation.



Scott Laird – Finance Director

Joined redT in 2015, previously with Energy Assets Group plc.



David Garrity – Production & Engineering Manager

Joined redT in 2015 with 30 years' experience bringing new products to market.



Richard Flynn – Product Manager

Joined redT in 2016 with 20 years working in the energy industry, most recently with Cummins.



Dr Jeff Kenna – Chairman

30 years managing businesses in the sustainable energy sector. Energy policy advisory to the EC, World Bank, UN and UK government. Board member since 2006.



Neil O'Brien - NED

Board member since 2016. Previously CEO of AIM listed Alkane Energy from 2008.



John Ward - NED

14 years as a director in renewable energy, currently director and owner of three operational wind farms in Ireland. Investor since 2009 and board member since 2016.



Jonathan Marren - NED

Advisor to the company since 2006 with 16 years of energy and clean tech advisory experience. CFO 2012-16 and NED since 2016.



Michael Farrow - NED

A principal and director of Consortia Partnership Limited, Jersey, and board member for a number of listed companies. Board member since 2006.



Zainul Rahim - NED

Board member since 2012. 30 years' with Shell in upstream oil and gas. Chairman for Hibiscus Petroleum Bhd and board member for a number of organisations.

redT Summary

redT have proven and tested a disruptive technology for the energy storage market

- One of the lowest cost vanadium energy storage machines globally
 - Up to 25+ year technology life – bankable energy storage asset
 - 100% depth of discharge without degradation

Stationary energy storage market worth \$100-150bn*

Fully funded – Capital raise finalised in December 2016 for £14.88m

344MWh, \$263m pipeline

Jabil manufacturing agreement provides supply chain security and ability to scale with demand

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