



RESEARCH CENTRE FOR
ENERGY MANAGEMENT

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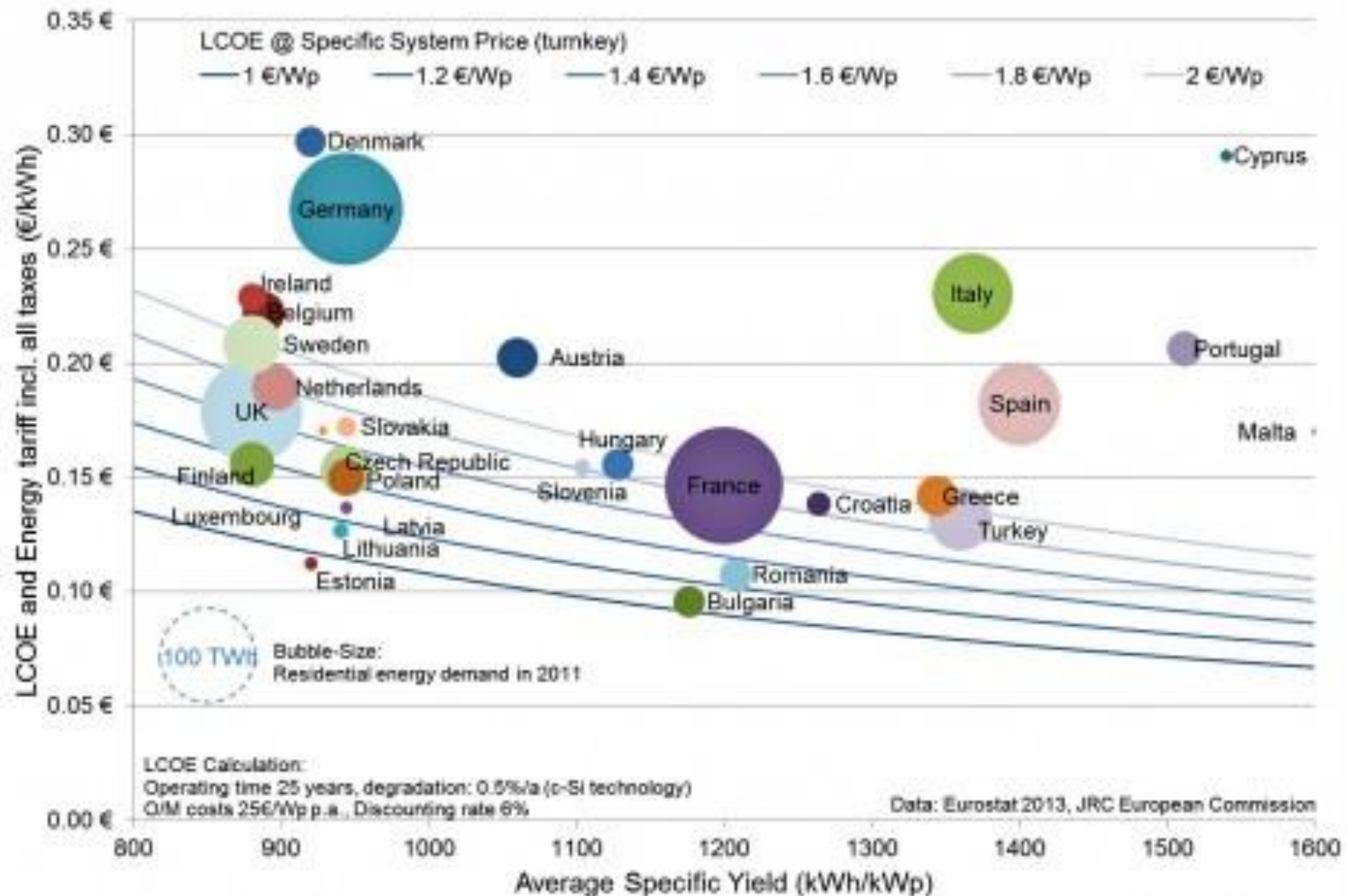
A long term view on solar power

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Aloe Energy

21 April 2016

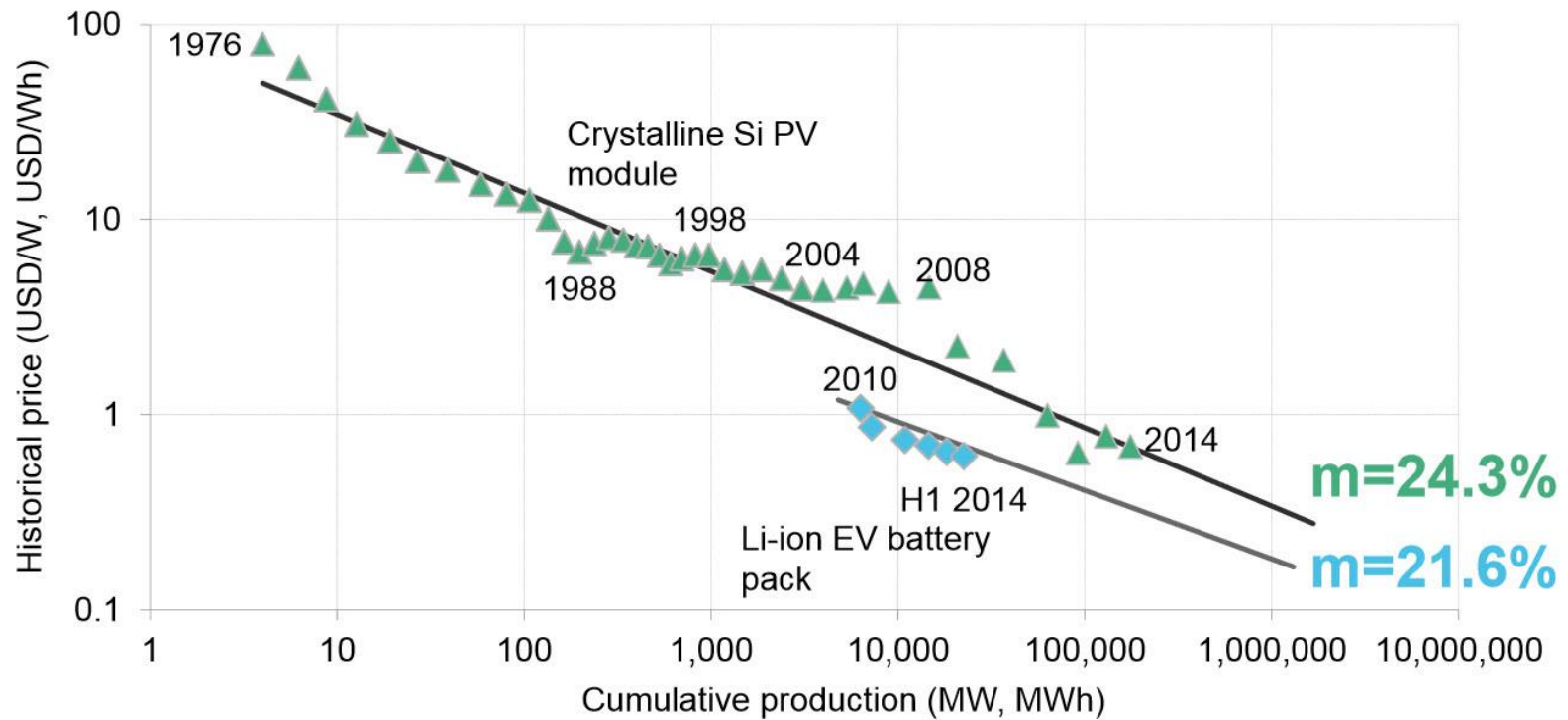
Solar PV grid parity acceleration



Battery cost forecast

LITHIUM-ION EV BATTERY EXPERIENCE CURVE COMPARED WITH SOLAR PV EXPERIENCE CURVE

Bloomberg
NEW ENERGY FINANCE



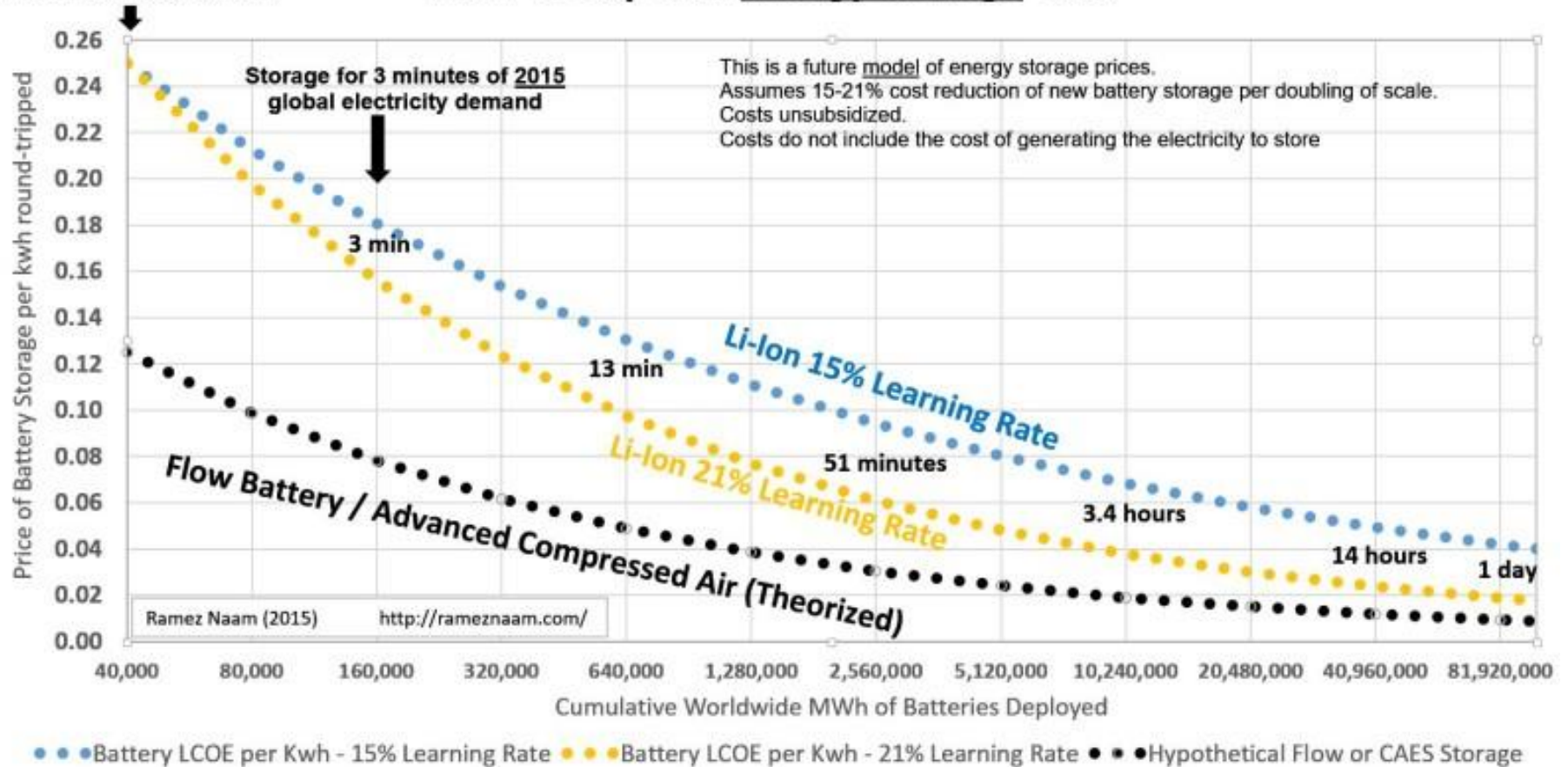
Note: Prices are in real (2014) USD.

Source: Bloomberg New Energy Finance, Maycock, Battery University, MIT

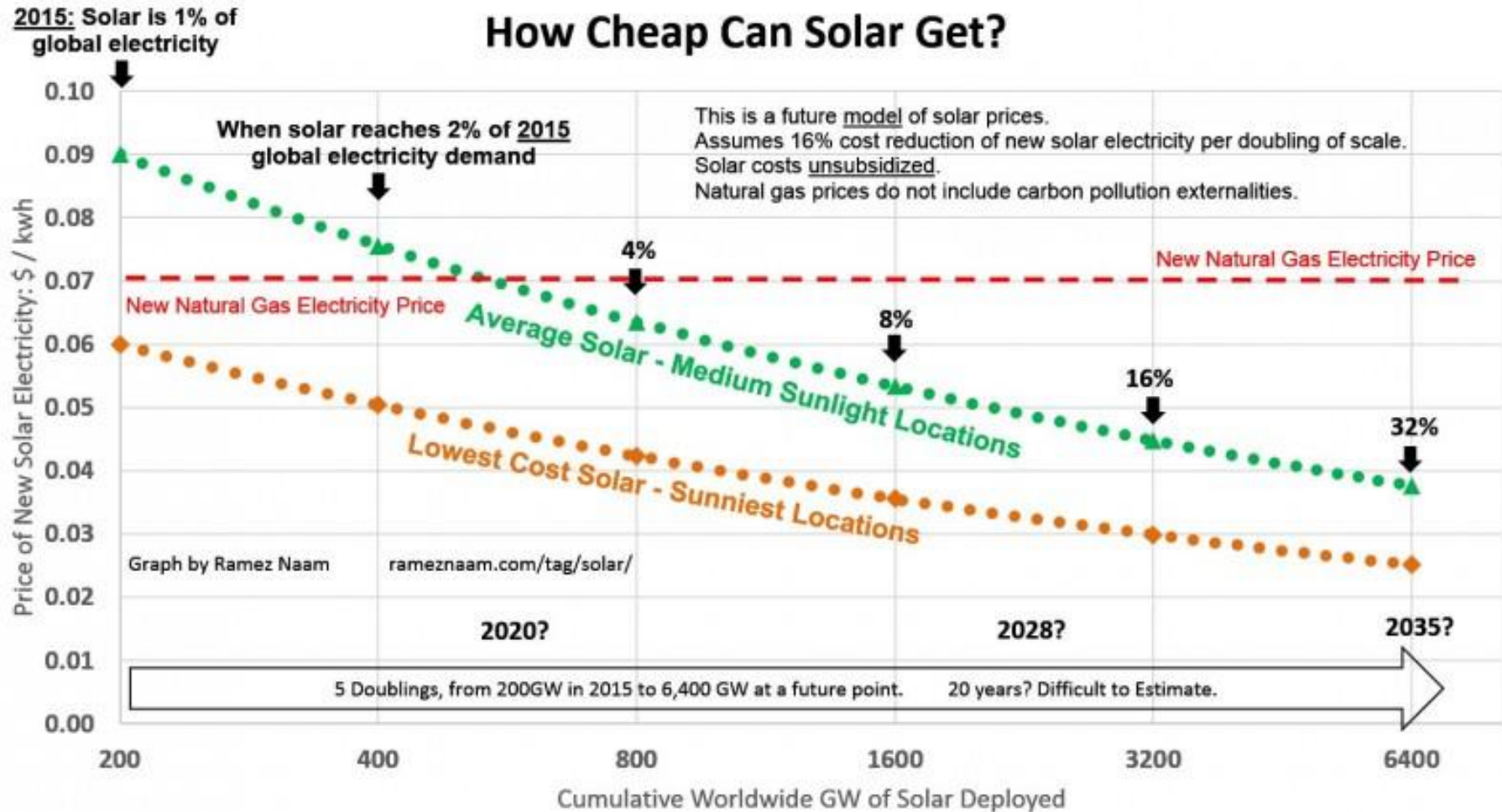
Storage cost from 20c to 2c/kwh

2015: Store <1 Minute of World Electricity Demand

How Cheap Can Energy Storage Get?



PV+storage: the baseload in 2035?



1 kwh requires 0,01 MMBTU of gas ie 4c today (at 4\$/MMBTU)

Aloe track record in renewables

Greenko

- Founded in 2006 by Aloe (75%) and two entrepreneurs (25%)
- €50M IPO on AIM in 2007
- Raised €250M equity and €550M debt over 8 years
- 1 GW of renewables (60% wind 30% hydro) and 1,8GW under development
- Aloe has been an active investor until acquisition by GIC in 2015

