



Welcome to NAATBatt 2020!

**Joern Tinnemeyer – President NAATBatt
Senior VP and CTO of EnerSys**



Are Batteries The New Oil? Forbes Dec 2019

UBS estimates that over the next 10 years the energy storage market in the United States could grow to \$426 Billion CNBC Dec 30 2019

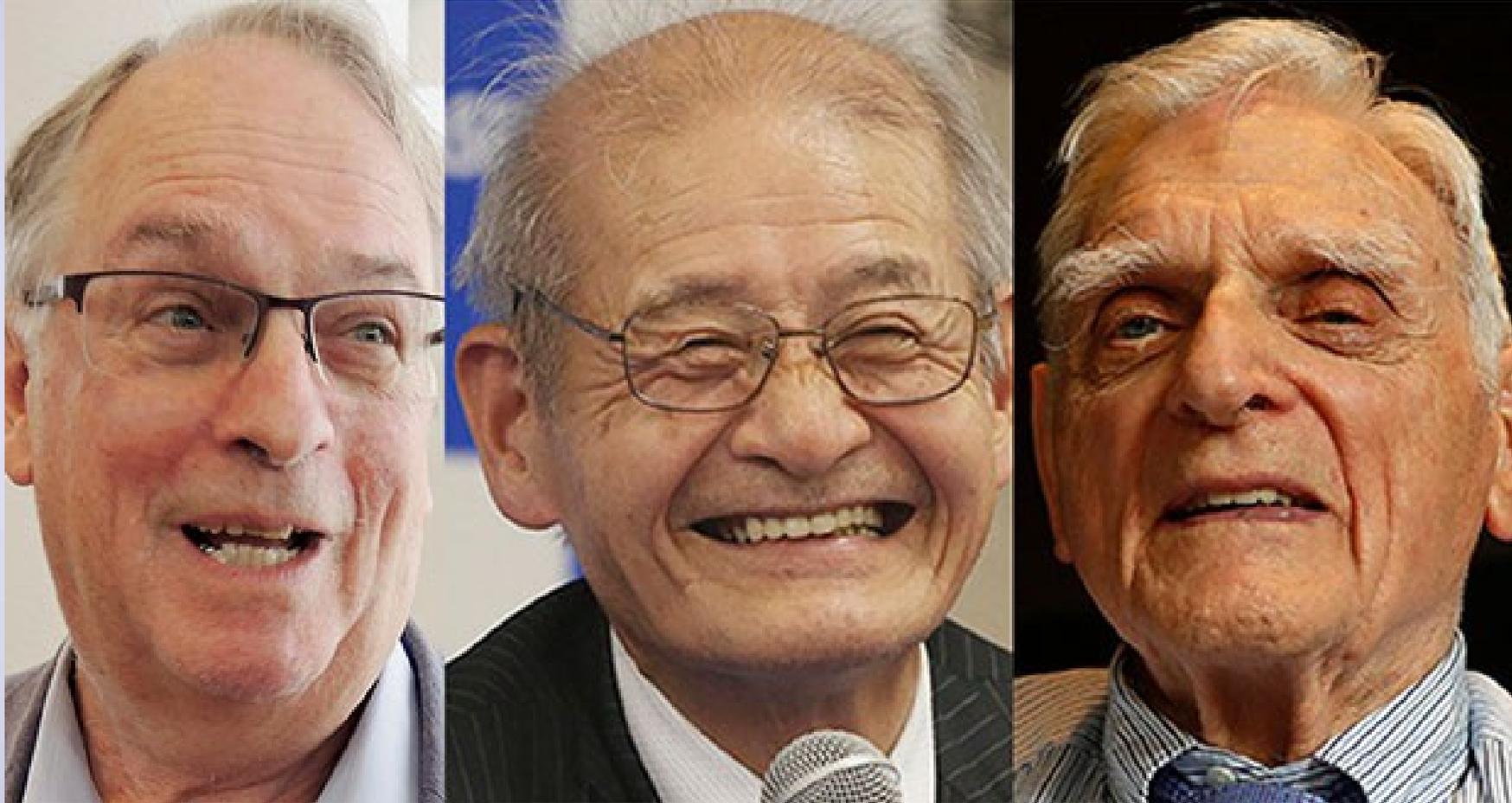
2019 was the year the electric cars grew up – Automakers commit \$300 billion to electrification
Reuters 2019

US ESS is estimated to surge over 700% by 2024 Wood Mackenzie 2019

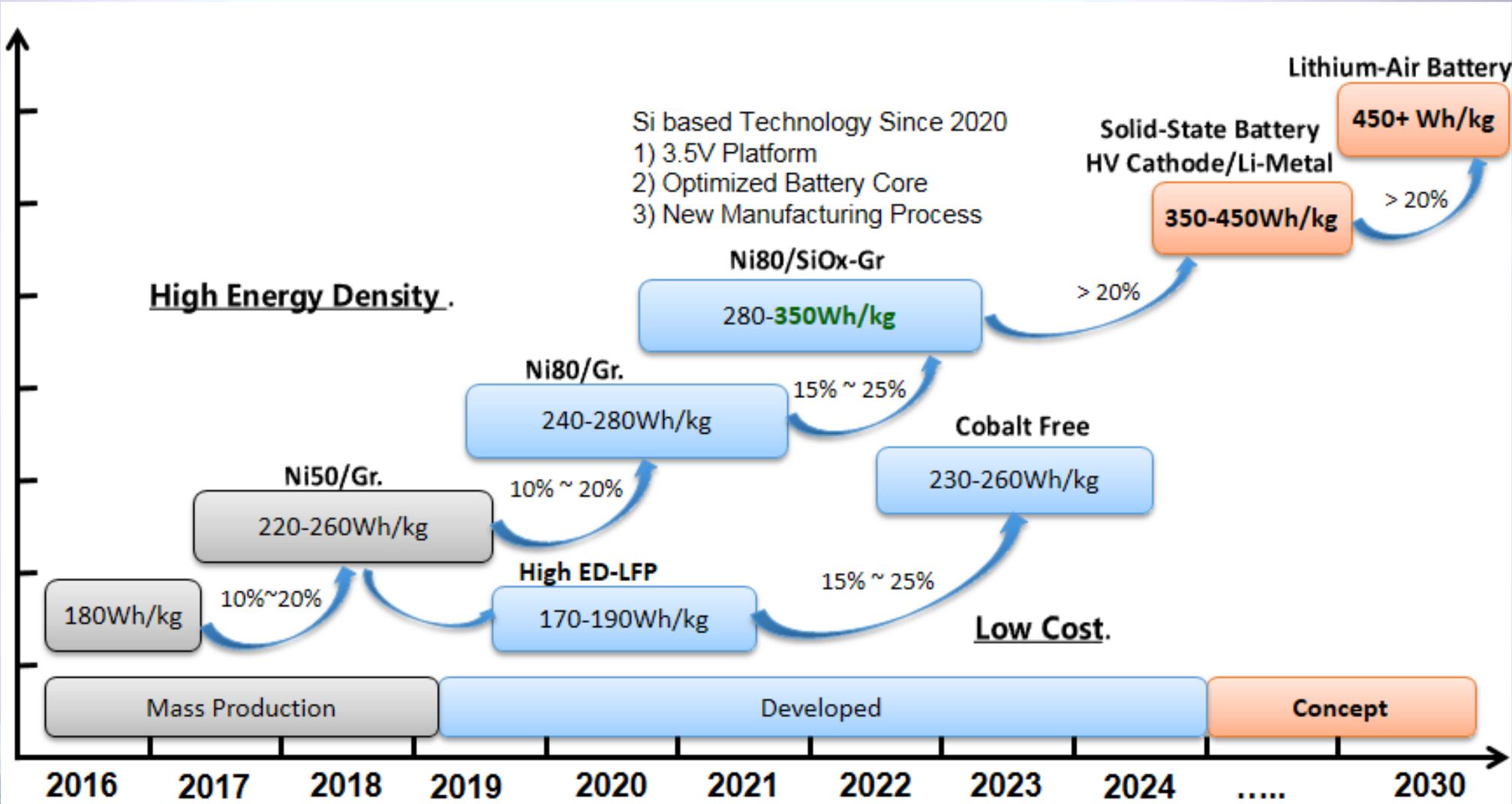
Global Energy Storage Market Forecast 2035: \$554 Billion Lux Research 2020

WHAT AN AWESOME MARKET!

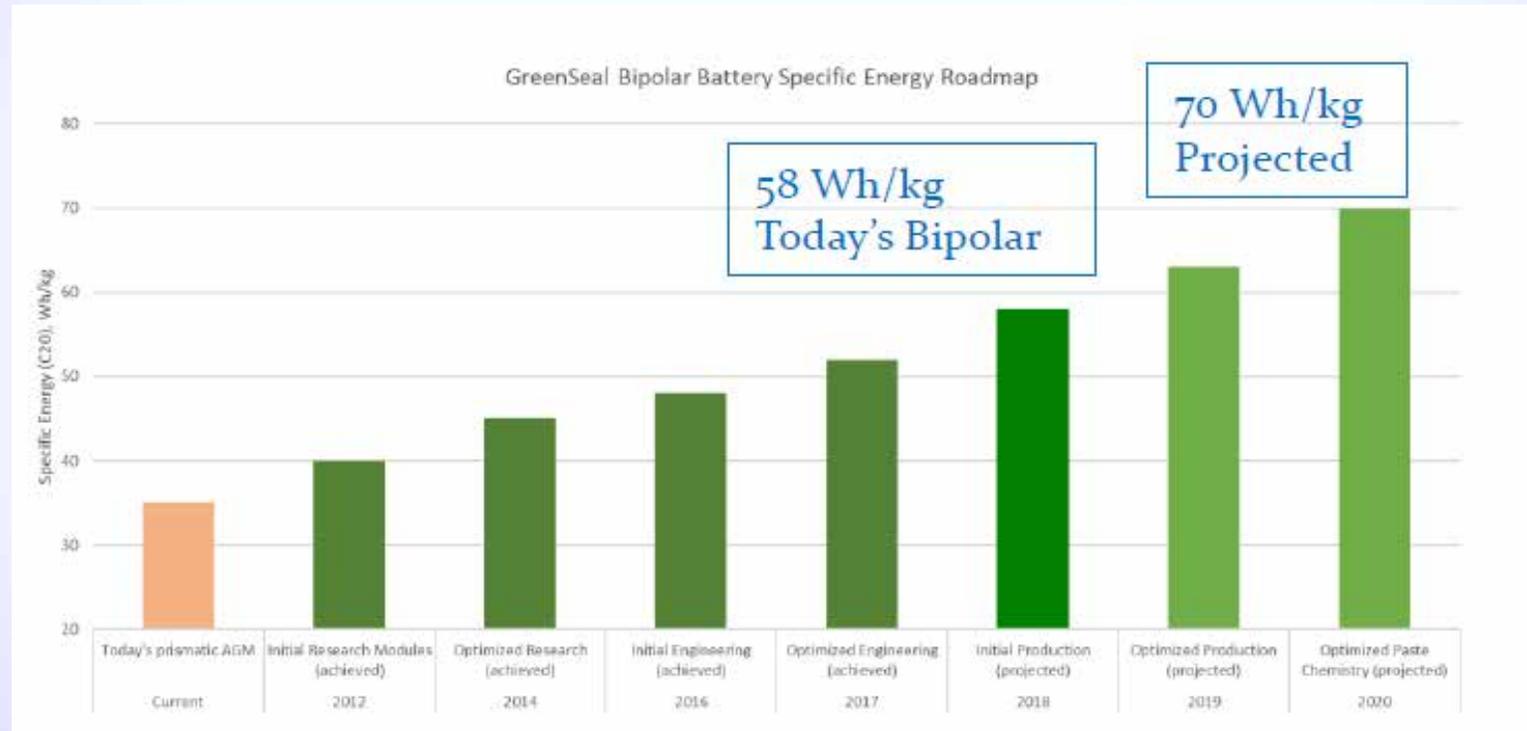
Nobel Prize in Chemistry 2019



Continuous Advancement

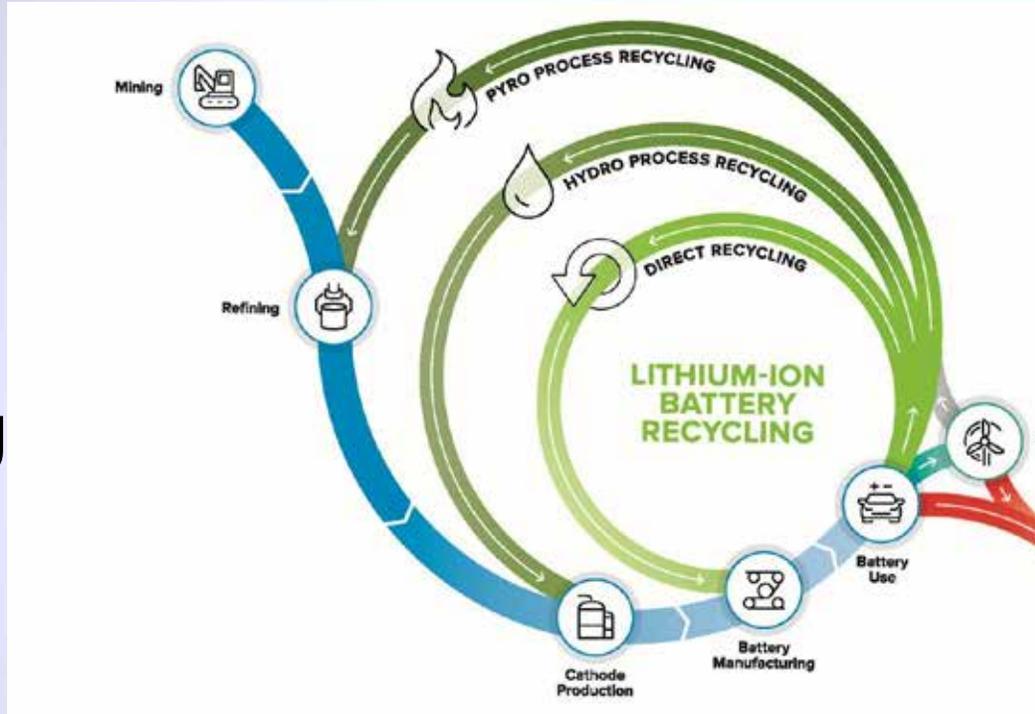


Not just for lithium....



We still have a lot to solve!

Recycling



Argonne National Laboratory 2019



Used EV Batteries –CNET 2017

We still have a lot to solve!

Safety



YonHap News 2019

135K xEVs recalled
in China 2018 Source: ITRI 2019

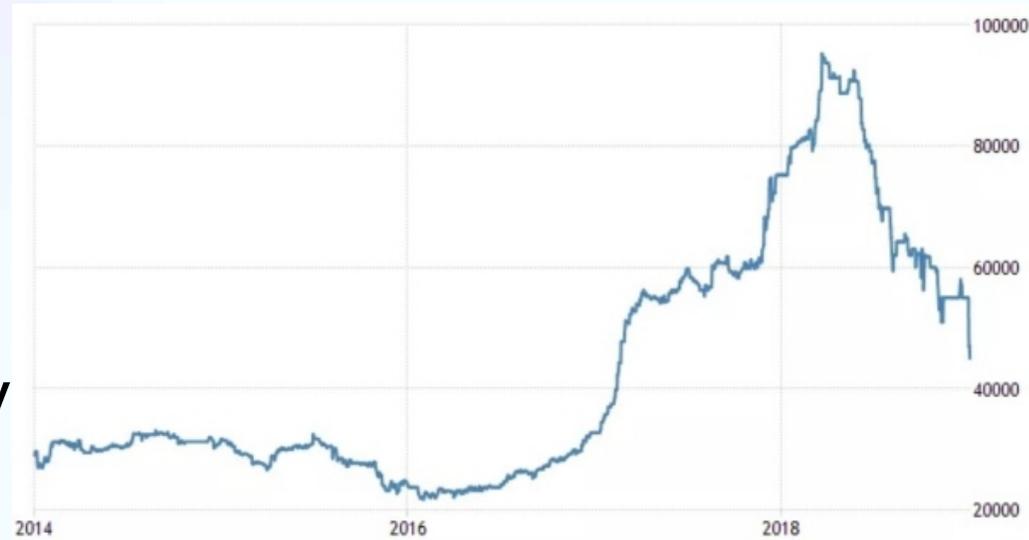
We still have a lot to solve!

Certifications/Regulations



We still have a lot to solve!

Market Volatility



Trade Economics 2019



Trade Economics 2020

We still have a lot to solve!

Market Acceptance



You have come to the right place!

Enjoy NAATBatt 2020!