Investor Conference

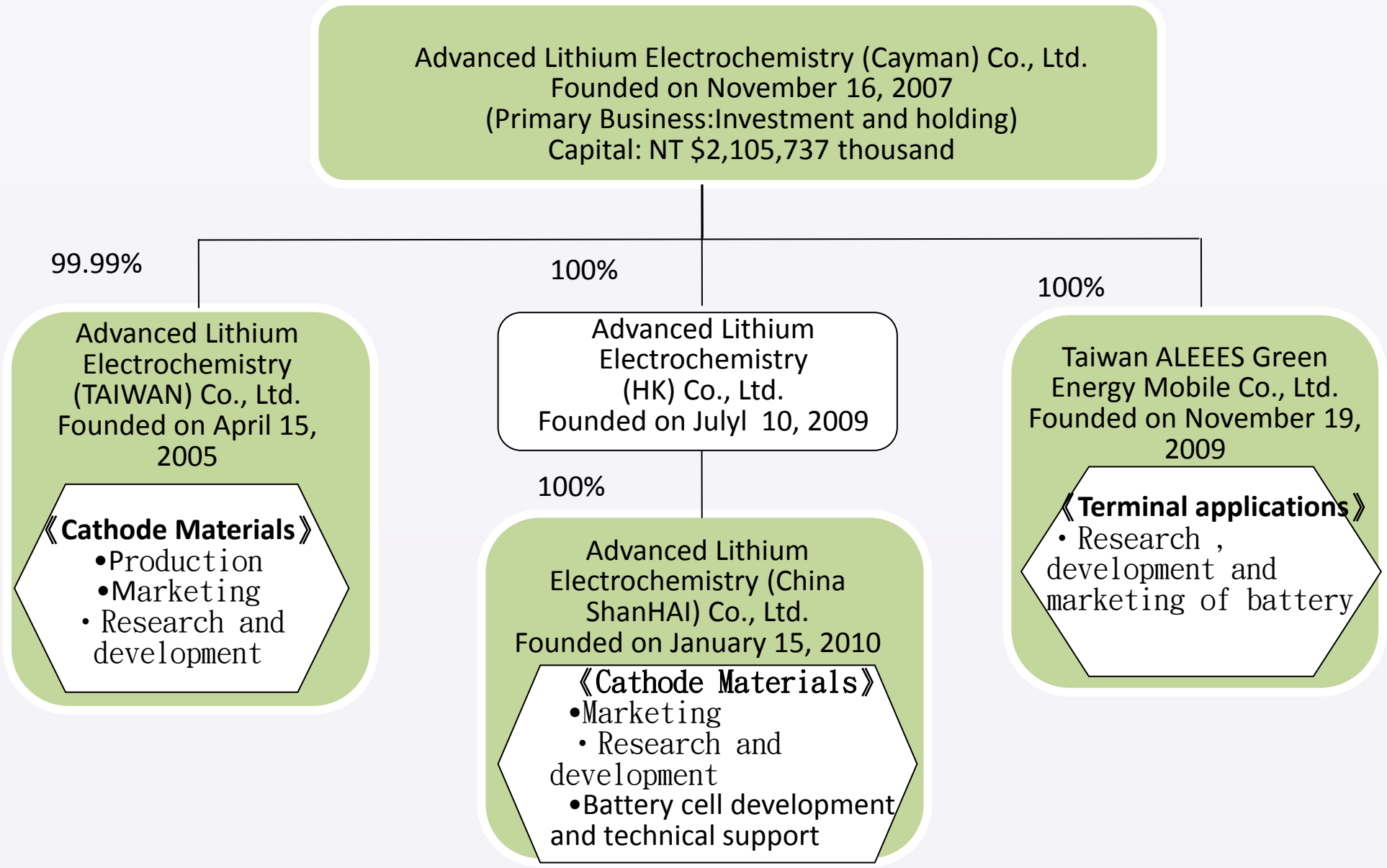
This is a translation version, and this version is intended for reference only.
The Chinese version shall govern all matters stated herein.

Safe Harbor Statement

This following presentation may include predictions, estimates or other information that might be considered forward-looking. These forward-looking statements are based on information available to Aleees as of the date of this conference and current expectations, forecasts and assumptions, and involve a number of risks and uncertainties that could cause actual results to differ materially from those anticipated by these forward-looking statements. You are cautioned not to place undue reliance on these forward-looking statements and please keep in mind that except as required by law, we are not obligating ourselves to revise or publicly release the results of any revision to these forward-looking statements.

Company Profile

Group Structure



Company History

2005

- Inception of Aleees

2007~8

- LFP Nano-Co-crystalline Olivine Technology announced
- LFP cathode mass production

2011

- Aleees listed on Taipei Stock Exchange

2013

- Acquisition of patent licensing from Goodenough for carbon packaging and manufacturing processes, among its seven global licensees

2016

- Awarded Top 50 Sustainability in Taiwan for three consecutive years

2018

- Sales of LFP cathode over 12,350 tonnes globally
- Top 5% among companies listed on Taipei Stock Exchange for four consecutive years
- Expansion into the global ESS market from the Chinese EV battery market

About Aleees

Cycle

State-of-the-art carbon packaging

Cathode with the longest cycle

Products

Cathodes -- LFP and NCM

Advantages

Long cycle, high quality and consistency, customized specifications offered. 192 global patents: 107 internally developed, acquisition of 85 globally licensed patents from the headquarters of the licensors

Applications

NEV battery cells, storage systems, start/stop systems in replacement of lead acid batteries

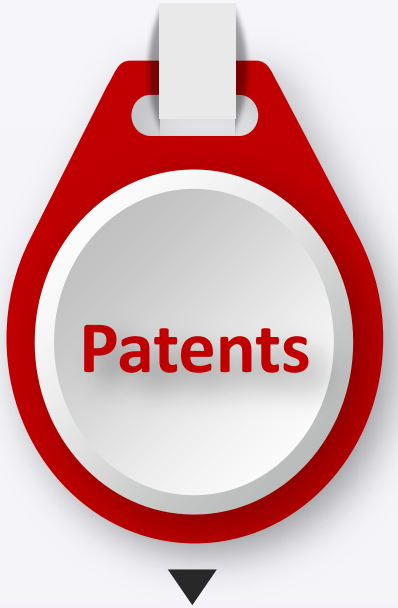
International Clientele

Certified by customers from China, Japan, Korea, Europe and the U.S.

Competitive Advantages

Aleees' Strength

- Longest cycle in the industry
- Free from SUS impurity

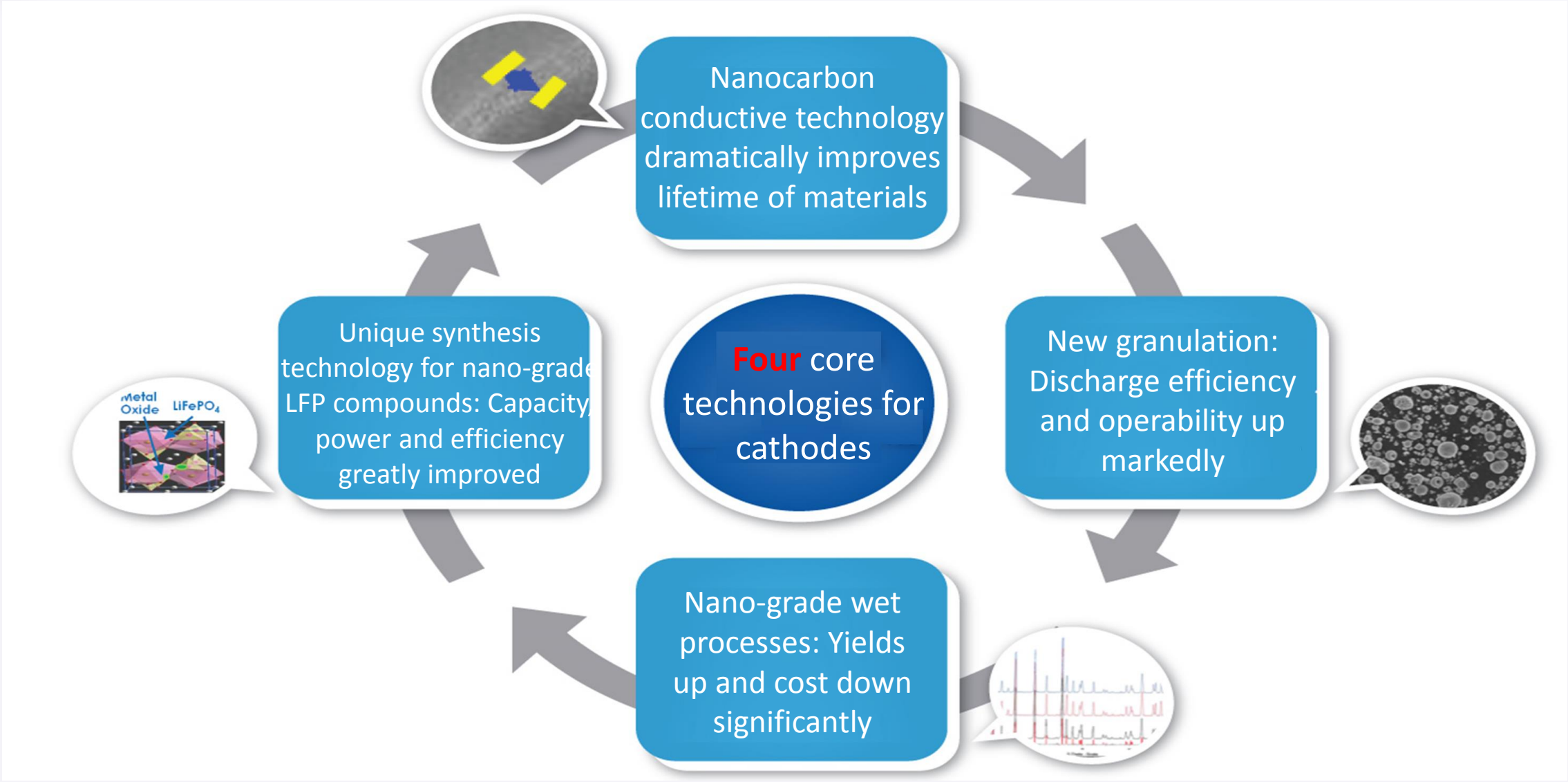


- In-house developed patents and IP protection
- Global patents

- AI & Big Data
- Quality improvement
- Pollution reduction
- Production efficiency enhancement

- Alliance with VIP customers
- Production lines dedicated to key customers

Core Competence in Cathodes



Cathode material advantages

LFP-NCO

High quality

- The batch is good in consistency, eliminating adjustment cost in the workshop.
- Conductive speed enhanced one million times.
- Add metallic oxide to contain education of iron lithium.

High Cost-Effectiveness

- The performance that is 10%-48% higher than the peers, Increasing the clients' revenue by 20%.
- The materials price is 35% higher than average of the industry.
- Specific Capacity is 155-160 mAh/g.
- Cycle life is 10000 times.

High Reputation

- 179 global patent: 86 self-owned patents, and 93 global patents licensed from HQ.
- The cumulative sales volume in 2018 reached 12500 tons.

Operational Profile

Changing Trends at China Major Market

Scope of subsidy backsliding being gradually increased as well as the implementation of new subsidizing policy(Period of review being extended)

Power battery industry entering market transitional period

Cruel industry competitive posture beginning to reveal

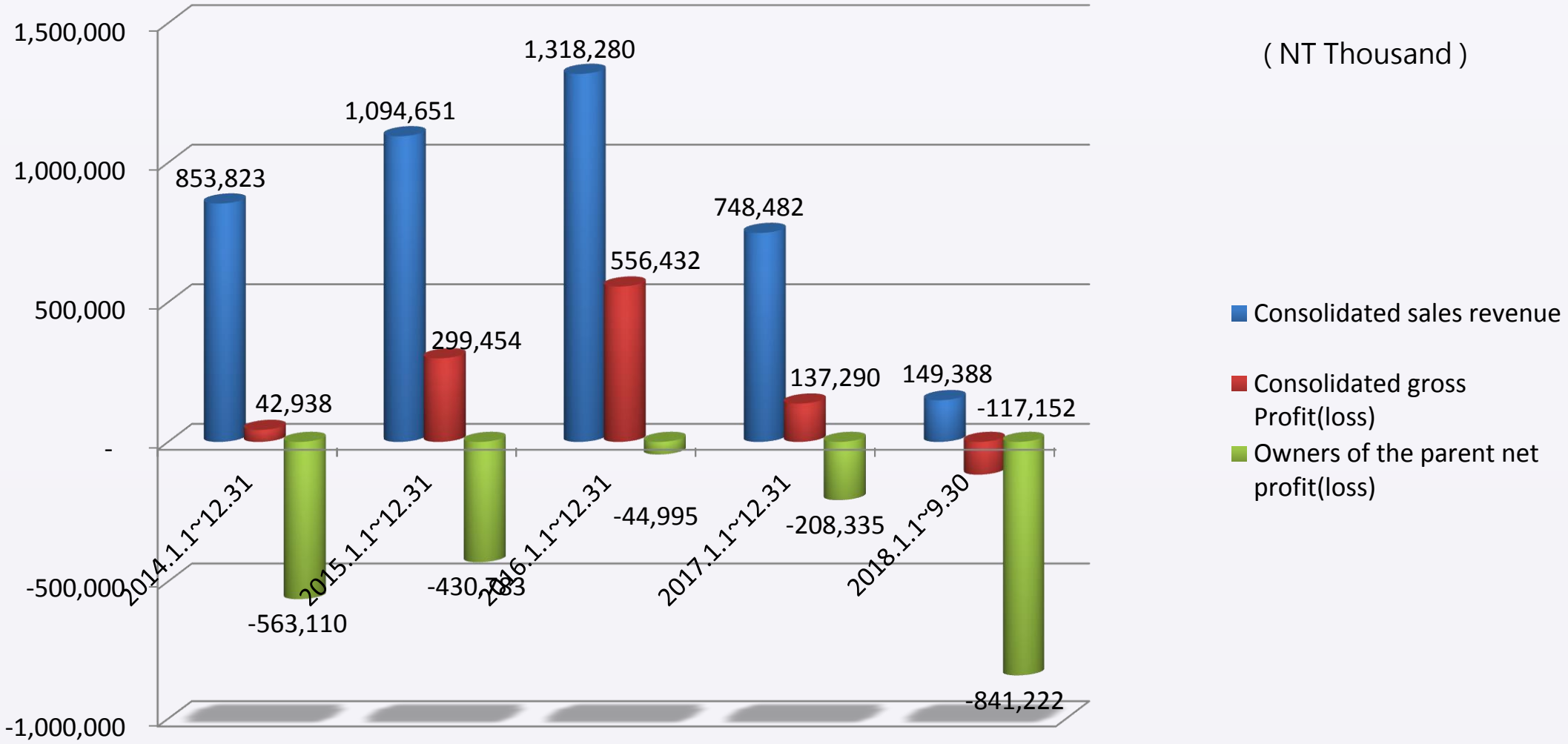
Supply chain rapidly encountering bubble-forming predicament

Power battery manufacturers are faced with crisis of funding chain breakage

Costs of power battery accounting for 30% to 50% of total costs of an electric vehicle

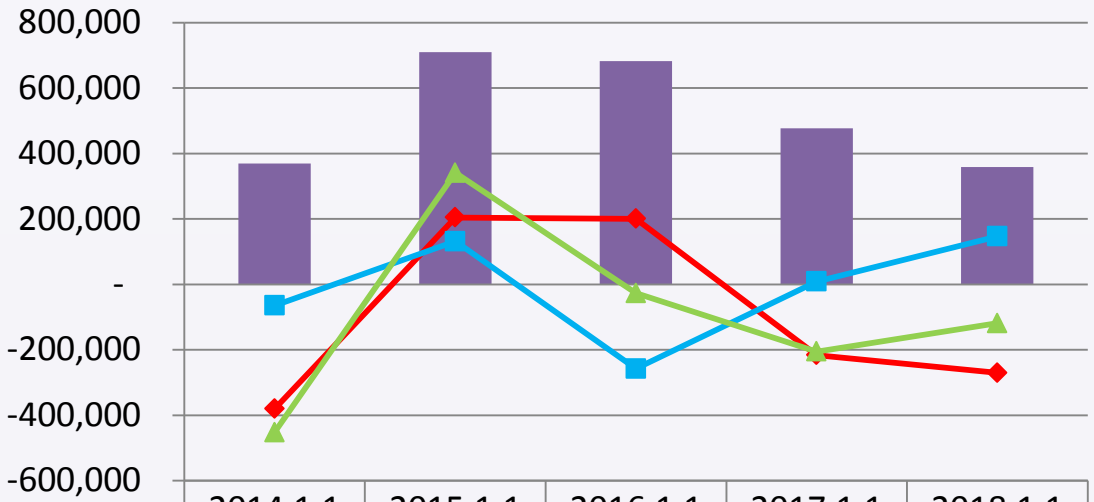
Reducing subsidies means that power battery manufacturers have to bear corresponding price-lowering pressure

Recent changes of revenue and profit (loss)



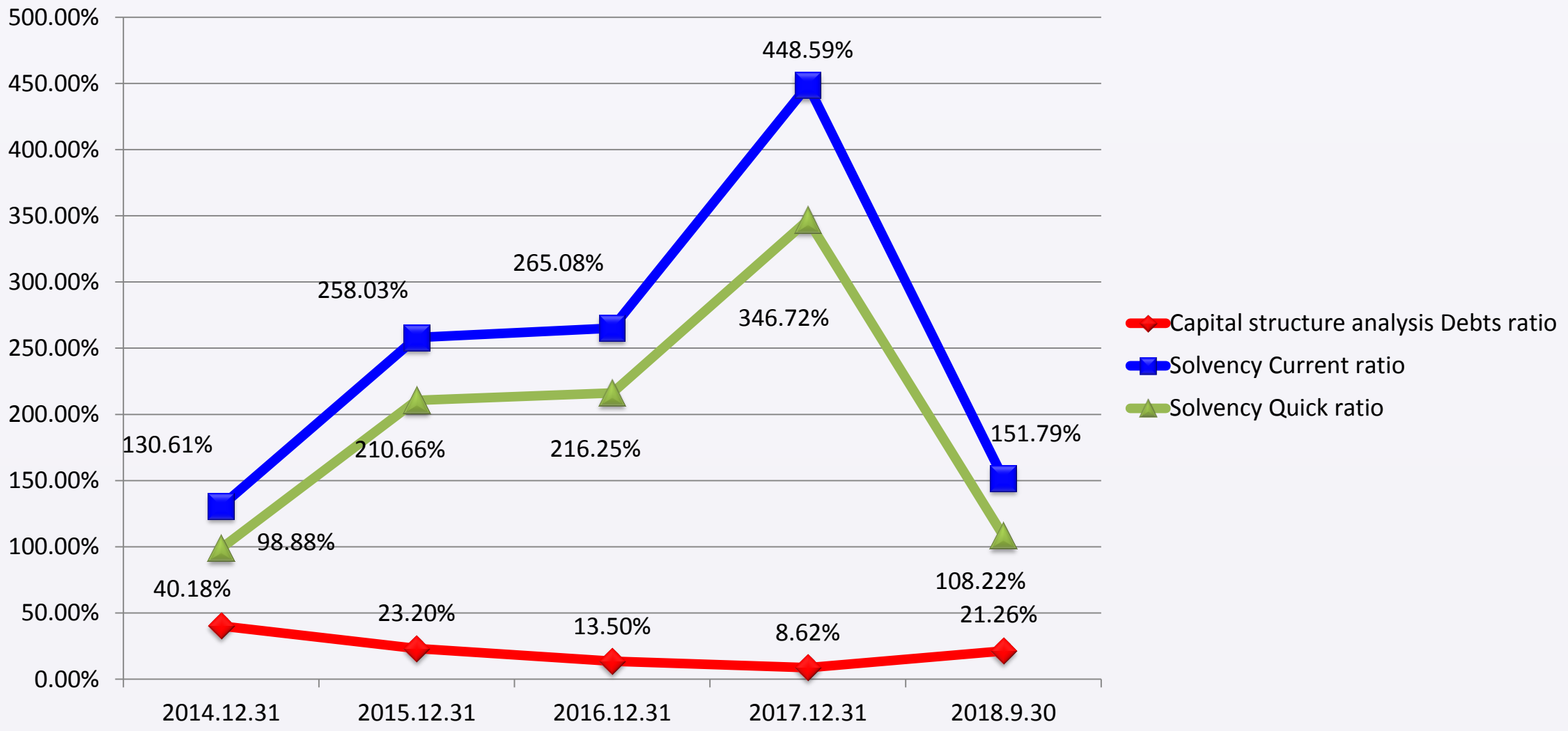
Recent changes of cash flows

(NT Thousand)



	2014.1.1 ~12.31	2015.1.1 ~12.31	2016.1.1 ~12.31	2017.1.1 ~12.31	2018.1.1 ~9.30
cash and cash equivalents balance at the end of the period	369,113	710,165	682,964	477,258	358,334
Net cash flows (used in) from operating activities	-380,595	204,188	200,680	-216,212	-270,424
Net cash flows from (used in) investing and financing activities	-64,591	131,578	-257,821	8,616	146,640
Net increase(decrease) in cash and cash equivalents	-452,654	341,052	-27,201	-205,706	-118,924

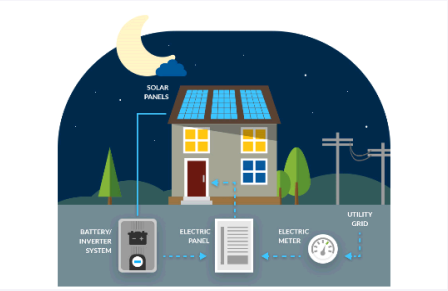
Recent changes of financial ratios



Strategic Updates

Household energy storage markets

Materials



- Reportlinker.com, an international market research institute, recently published a research report on household battery energy storage market and stated that by 2022, global household battery energy storage market scale will reach 3.6 billion dollars.
- Germany, the U.S., Japan, Australia and others have implemented policies offering incentive subsidies, encouraged an integration between new energy power generation and development and application of energy storage technology. Energy storage manufacturers include Panasonic, Kyocera-Nichicon, Sharp, Samsung, LG, Sonnen, Tesla, and Byd.
- Advanced Lithium Electrochemistry Co., Ltd. has entered into cooperation with a certain leading Japanese manufacturer of electronic parts and consumer goods. The two parties have ventured into high-end household energy storage market. The former has thus laid a pivotal foundation for future exploration of other overseas energy storage clients.

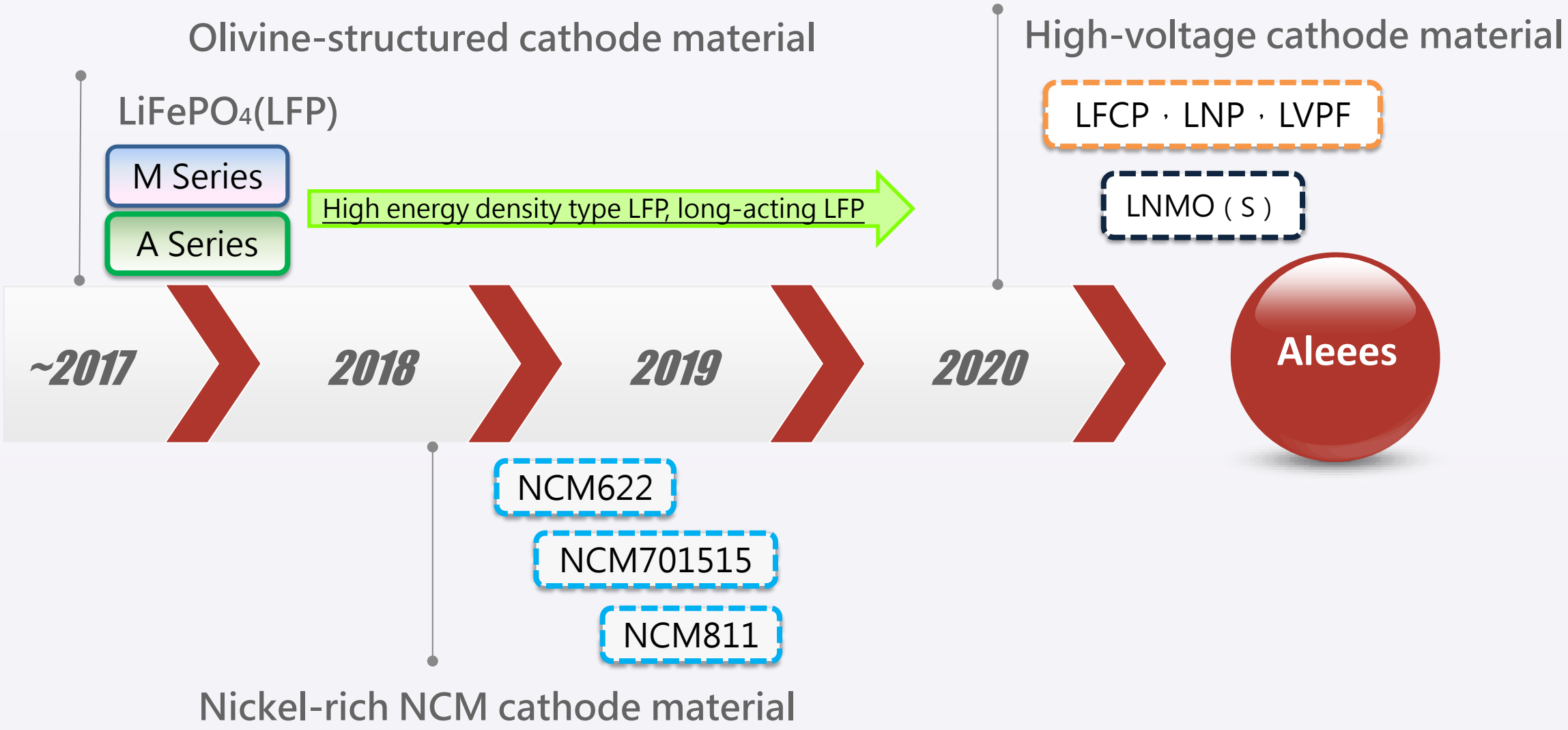
Lithium to Replace Lead Acid

Materials

Applications By OEMs from Japan, Korea, Europe and the US

- **According to Grand View Research, the global market size for lead acid batteries was US$46.6bn in 2015 and is expected to reach $84.46bn in 2025.**
- **The largest lead acid battery manufacturers in the world are Johnson Controls, GS YUASA, Exide Technologies, Tianneng, Chilwee and Enersys.**
- **Aleees has been certified by an international auto OEM for its lithium battery, and will become the only lithium cathode producer that offers a 10-year warranty**
- **In response to even more stringent emission standards in the European Union in 2020 and the demand for lighter weight and higher fuel efficiency, a world-renowned battery company has teamed up with Aleees to become the first lead acid battery maker in active pursuit for lithium battery.**

Development and Manufacturing of High Cost-Performance Products



Applications of Final Products

Main Applications of Lithium Batteries around the World

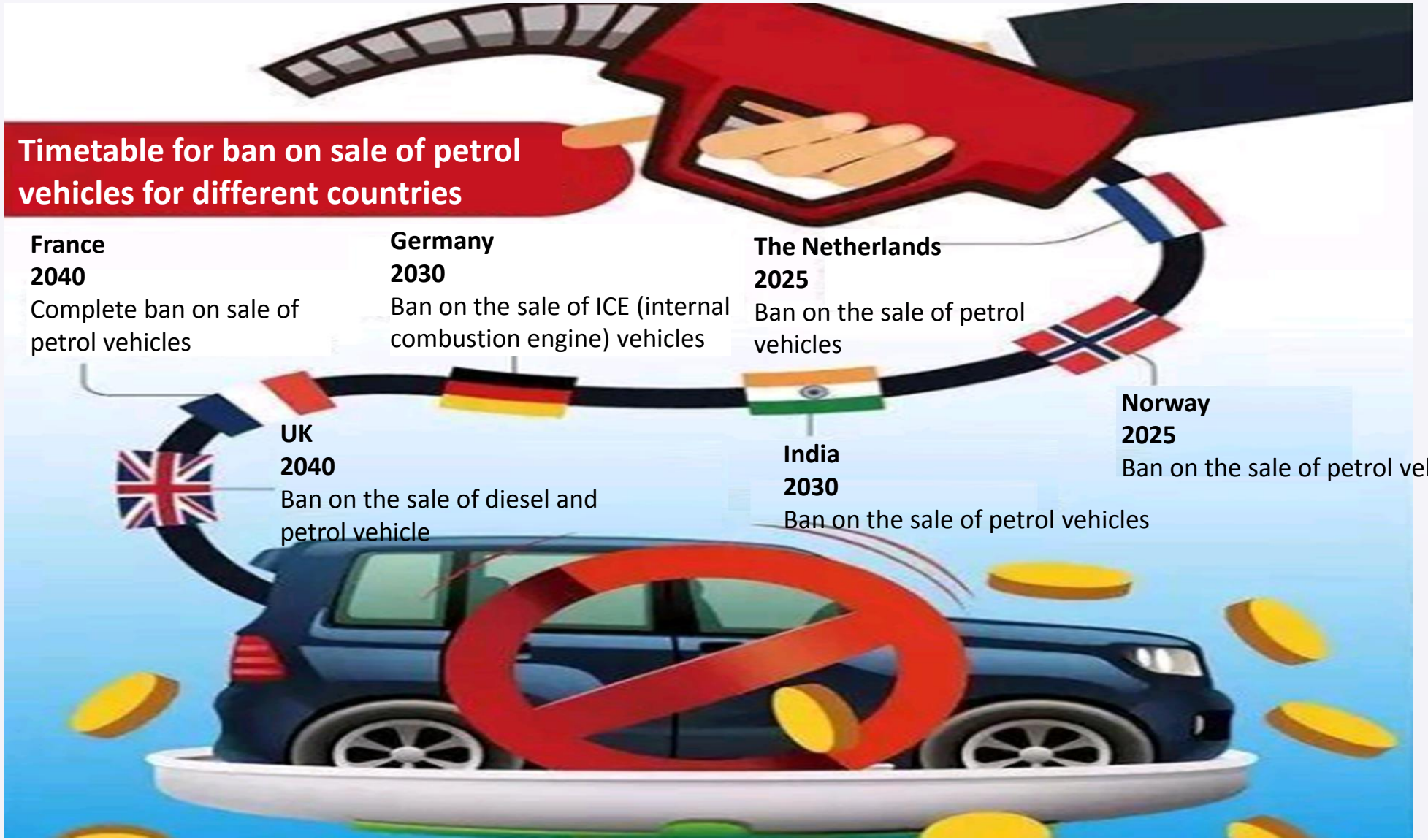
Cars, EV, and vehicles

Stationary ESS

Replacement for auto applications

Lithium battery packs PK Lead acid batteries

Policy Drives in Different Countries



Source :By Liuzhou where innovative energy vehicles are published in automotive

Innovative Operational Model for Electric Vehicle

Intelligent service

Autopilot electric taxi made by GM, the U.S.

NAVYA autopilot electric bus

Autopilot electric bus in the Netherlands

Vehicle sharing

Electric car service Uber of the U.K.

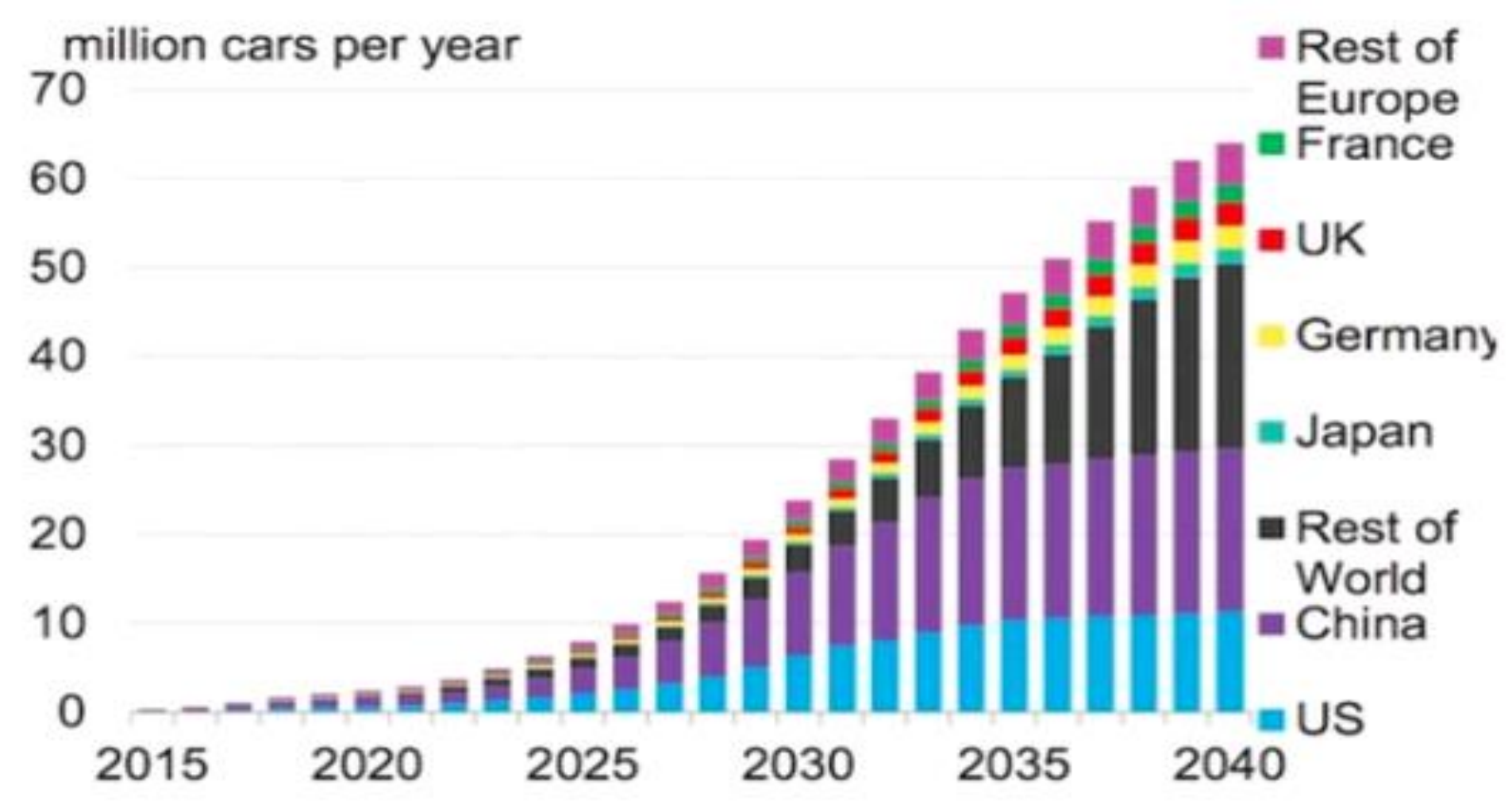
Sharing system DriveNow of Denmark

Electric car sharing Autolib of France

Vision for sharing Tesla of the U.S.

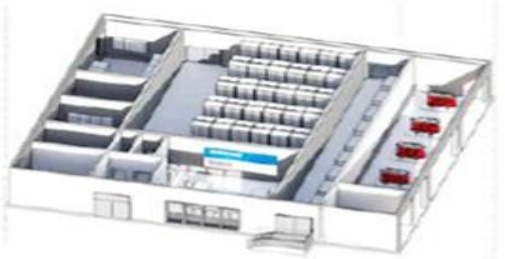
Source : Compiled by ARTC; The Automotive Research & Testing Center

High Growth Expected for Global EV Market



Source: Bloomberg New Energy Finance,2015

Stationary Storage Systems

			
Small-scale indoor energy storage	**Energy storage Chest**	**Energy storage container**	**Permanent energy storage power plant**
• Mainly providing such functions as matching it with indoor power regulation, making efficient use of renewable power sources, and offering backup power	• Medium-sized indoor power regulating facilities • Basic modularized patterns of Energy storage container and energy storage battery	• Mainly used outdoor • Matched with operation of (renewable) power plant or power grid regulation	• Regional permanent power plant facilities • Mainly regulating operation of regional power grid

Source: compiled by IEK under Industrial Technology Research Institute

The growing demand from the renewable energy industry for grid-connected storage systems is driving for the need for lithium technology and continued cost reduction of lithium batteries. According to most recent forecasts by MarketsandMarkets, the global market for ESS batteries will grow at a CAGR of 33.9% from $1.98bn in 2018 to $8.54bn in 2023. Asia Pacific is the highest growing region.

Lithium-ion battery is top priority in energy storage technology

Based on latest report of GlobalData, five major contributors to amazingly rapid development of energy storage technology are the U.S., South Korea, China, Japan, and Australia. Relevant facilities in the said five countries accounted for 80% globally in 2017. The U.S. took up the biggest share of 28%.

Asia-pacific region was a leader globally and accounted for 54.1%, with America taking up 32.8%. As for Region of Europe, the Middle East, and Africa, it accounted for 13.1%.

Lithium-ion battery had always been top choice in energy storage. In 2017, it accounted for over 75% on BESS.

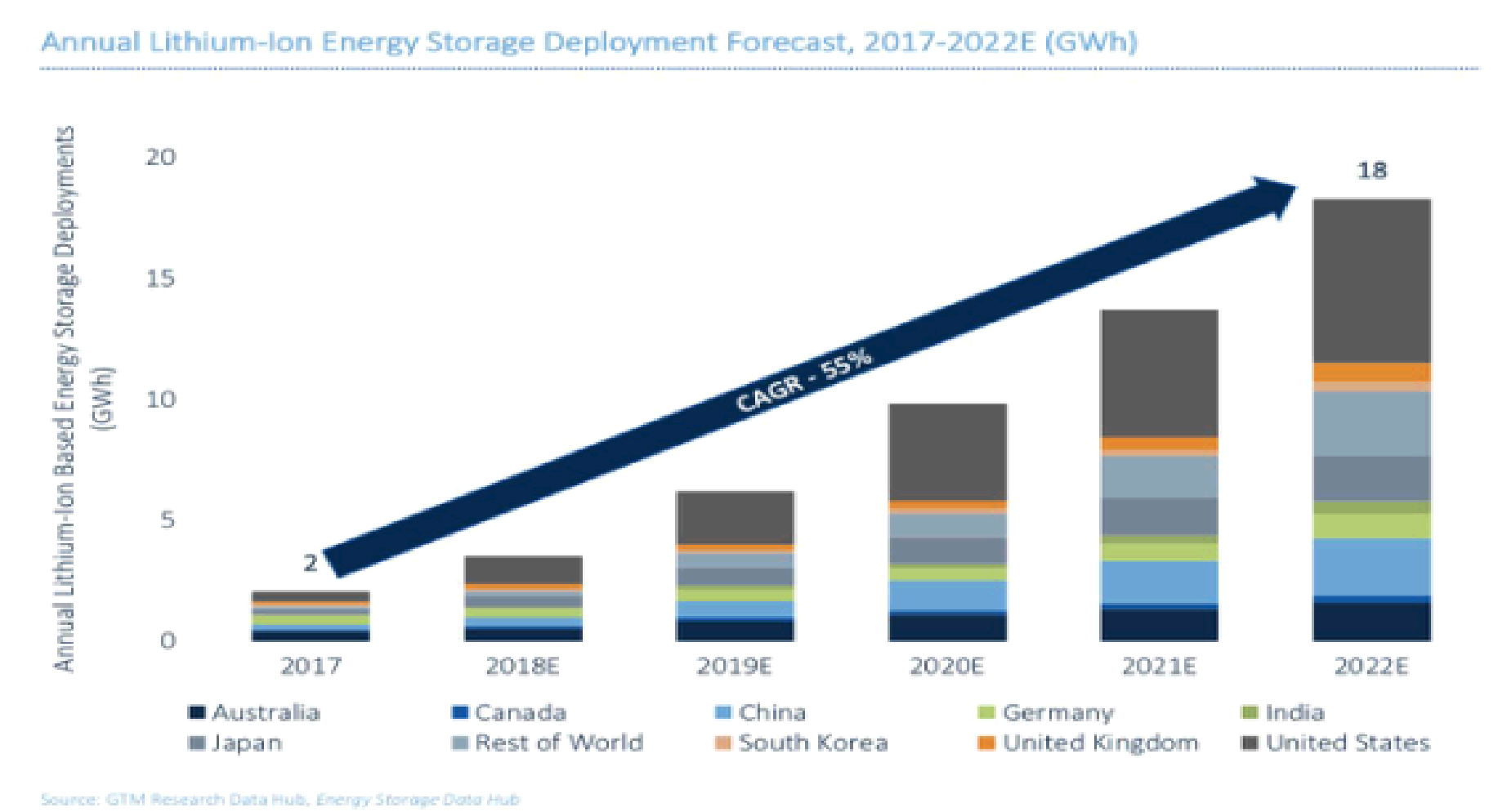
Distribution and percentages of 2017 global electrochemistry energy storage project technology

Technical categories	Percentages
Lithium-ion battery	76%
Sodium sulfur battery	13%
Lead storage battery	7%
Flow battery	3%
Supercapacitor	0%
Other	1.1%

Source: Data bank of China Energy Storage Alliance

Global Lithium Battery ESS Installation Capacity up 55% p.a.

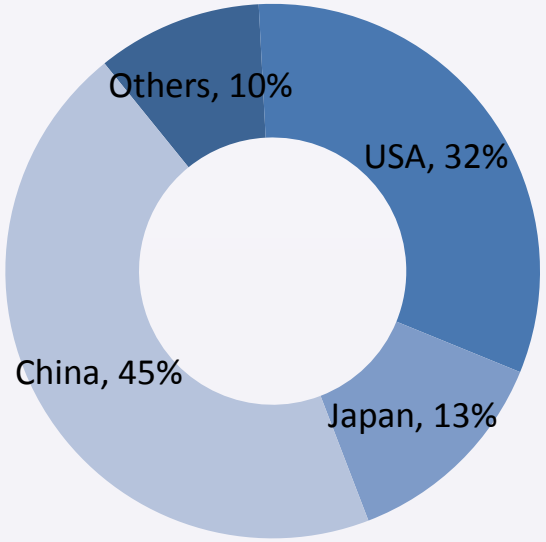
According to the most recent forecasts from GTM Research



Lead Acid Battery Market

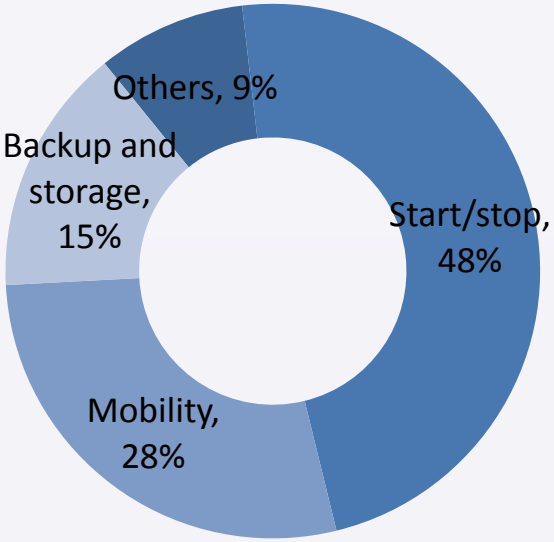
Start/stop batteries for car engines have become a standard accessory in mid-to-high end models manufactured by OEMs in Japan, Europe and the U.S. Examples are Audi, BMW, Benz, Volkswagen, Mazda and Citroen.

Global lead acid battery market by geography (%)



Source: Qianzhan Industry Institute

Global lead acid battery market by application (%)



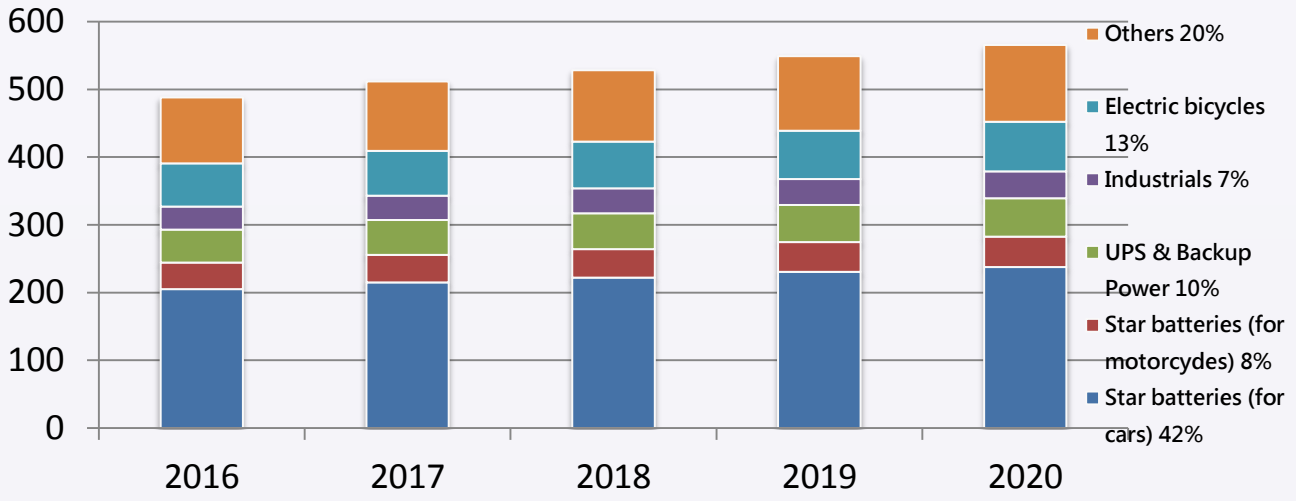
Source: Qianzhan Industry Institute

Lead Acid Batteries Shipment Reaches 565 GVA in 2020

According to Industrial Economics & Knowledge Center in 2017, the global shipment of lead acid batteries totalled 488.24 GVA in 2016.
Below is the summary of the shipment forecasts for 2017-2020.

Year	GVA	
2016	488.24	
2017	511.7	
2018	528.39	
2019	548.99	CAGR c. 4%
2020	565.5	

Source: Industrial Economics & Knowledge Center

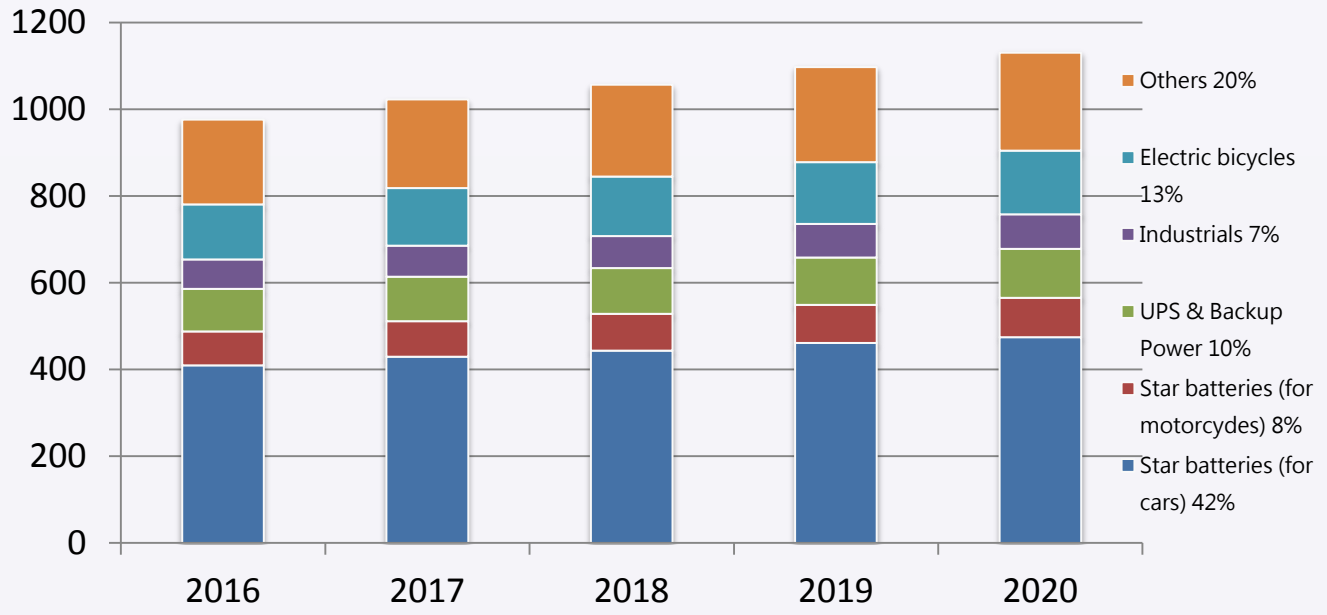


Unit: GVA

Star batteries (for cars)	**205.06**	**214.9**	**221.92**	**230.57**	**237.51**
Star batteries (for motorcycles)	**39.06**	**40.94**	**42.27**	**43.92**	**45.24**
UPS & Backup Power	**48.82**	**51.17**	**52.84**	**54.89**	**56.55**
Industrials	**34.18**	**35.82**	**36.99**	**38.43**	**39.58**
Electric bicycles	**63.47**	**66.52**	**68.69**	**71.37**	**73.51**
Others	**97.65**	**102.34**	**105.68**	**109.8**	**113.1**
Total	**488.24**	**511.7**	**528.39**	**548.99**	**565.5**

Power (in GVA) * 0.8 (in MWatt) / 3.2V * 8 = LFP Powder (in KTon)

Market Forecast for Replacement of Lead Acids with LFP



Unit: K (ton)

Start batteries (for cars)	410.1	429.8	443.8	461.1	475
Start batteries (for motorcycles)	78.1	81.9	84.5	87.8	90.5
UPS & Backup Power	97.6	102.3	105.7	109.8	113.1
Industrials	68.4	71.6	74	76.9	79.2
Electric bicycles	126.9	133	137.4	142.7	147
Others	195.3	204.7	211.4	219.6	226.2
Total	976.5	1023.4	1056.8	1097.9	1131

Source: Industrial Economics & Knowledge Center

Limitations such as 12V, security and cobalt scarcity, only LFP can replace lead acid for auto applications

A 10% replacement of the auto lead acid market p.a. is translated into the demand of 40,000 tons of LFP cathodes.

Aleees and Sumitomo Osaka Cement are the only two companies with a global portfolio of patents, over 10 years of experience in mass production, products of long cycles and high quality

THANK YOU