

Why do we focus on SiOx?



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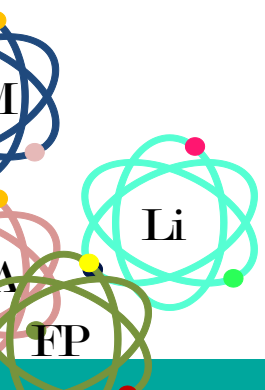
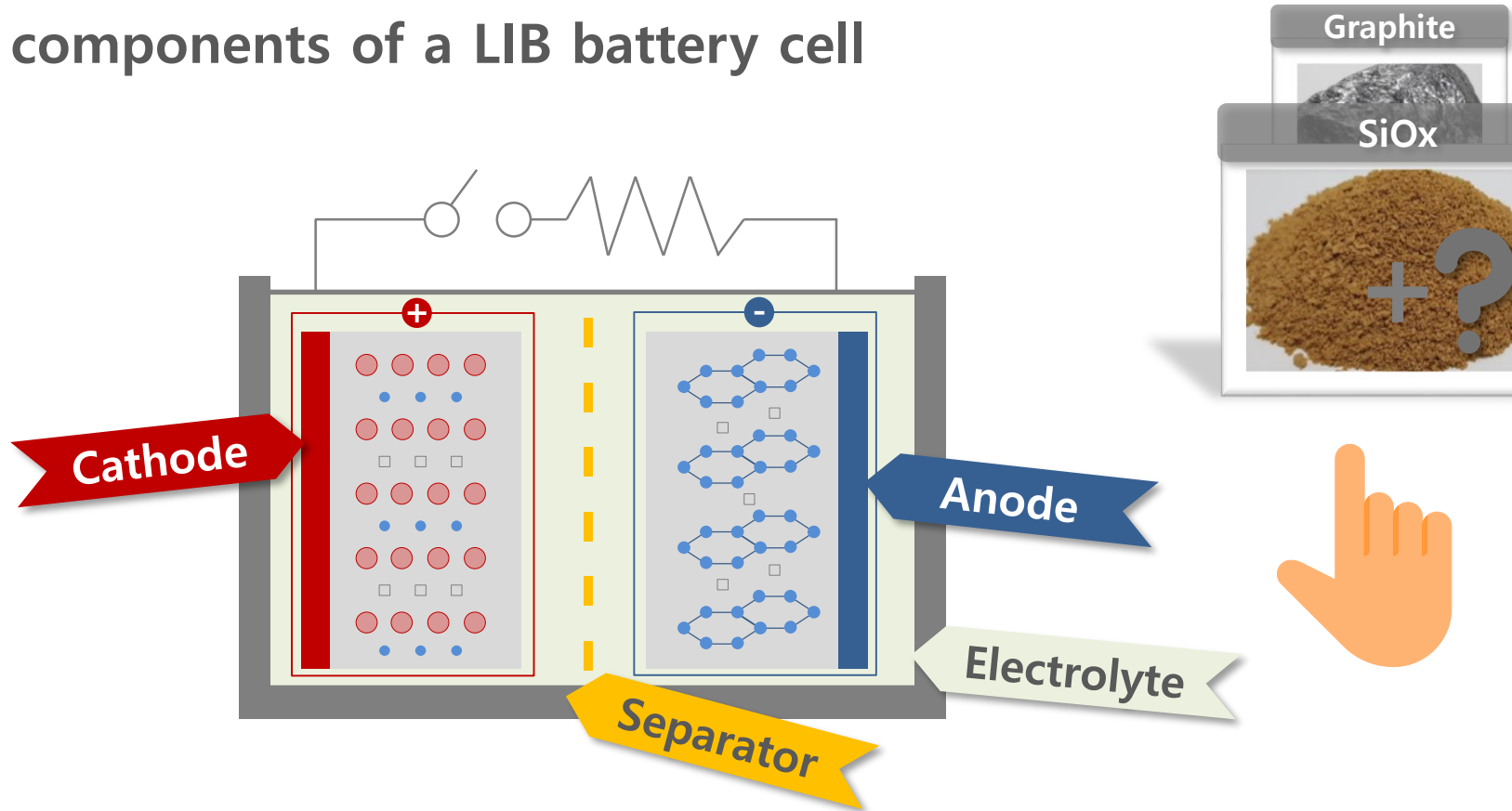
Problem and Solution

1. What is a good battery?

- ✓ To have a higher energy density when it is the same weight or volume
- ✓ Long cycle-life
- ✓ Reasonable price
- ✓ Do not have a risk of swelling or explosion

Problem and Solution

2. Four components of a LIB battery cell



Problem and Solution

3. SiO_x and for what?

- ✓ Additive anode materials for LiB(lithium ion battery)
- ✓ Enhancing energy density
- ✓ More than double capacity of pre-existing LiB
- ✓ Having mechanical stability
- ✓ Low production cost due to a simple process at atmospheric pressure (1 atm)
- ✓ To meet differential needs of manufacturers by controlling precise x-value

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Problem and Solution

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Market prospect and Business plan

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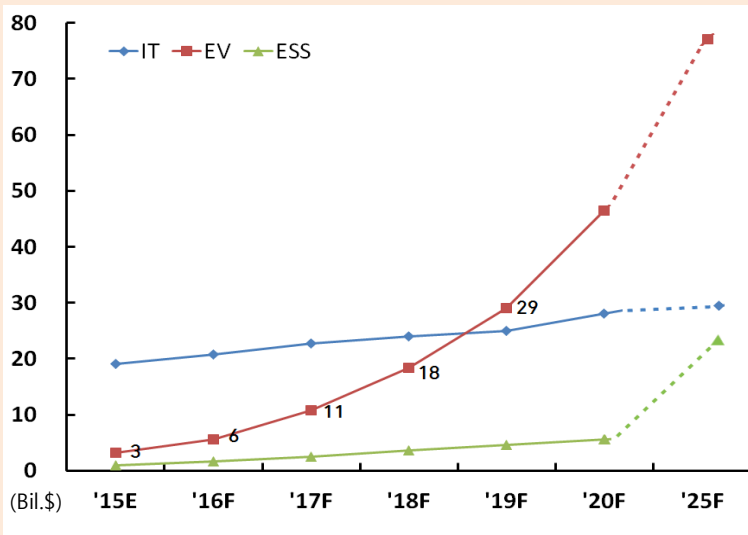
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Company Facilities

Market prospect and Business plan

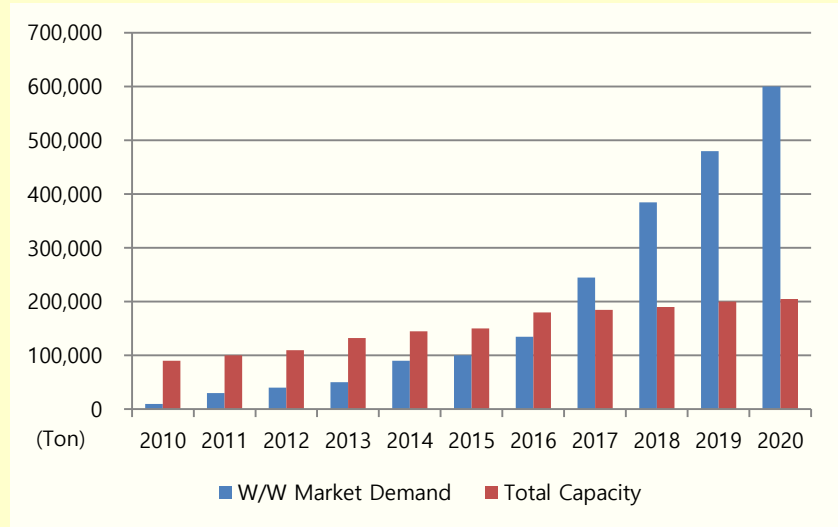
1. Market Prospect

World market size prospect by applications



Source: SNE research

Demand/Supply prospect of anode materials for LiB



Source: High density battery material 'Silicon', heightened competition of anode application {Korean IT industrial News, 2017}

Market prospect and Business plan

2. Company Overview and Milestone



2018

- Performing R&BD in association with the KIER
- Invested in kind of patent right by the KIER
- Registered as an INNOPOLIS research institute spin-off company

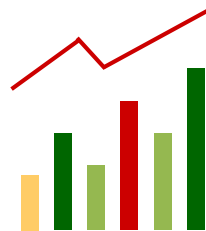


2020

- Installation of mass production line
- Global sales
- Establishment of overseas branches
- IPO(2021)

2017

- Established in Sep. 2017
- Signed a technology transfer agreement with the KIER
- Invested cash by KST
- Signed a global commercialization agreement with KAIST GCC



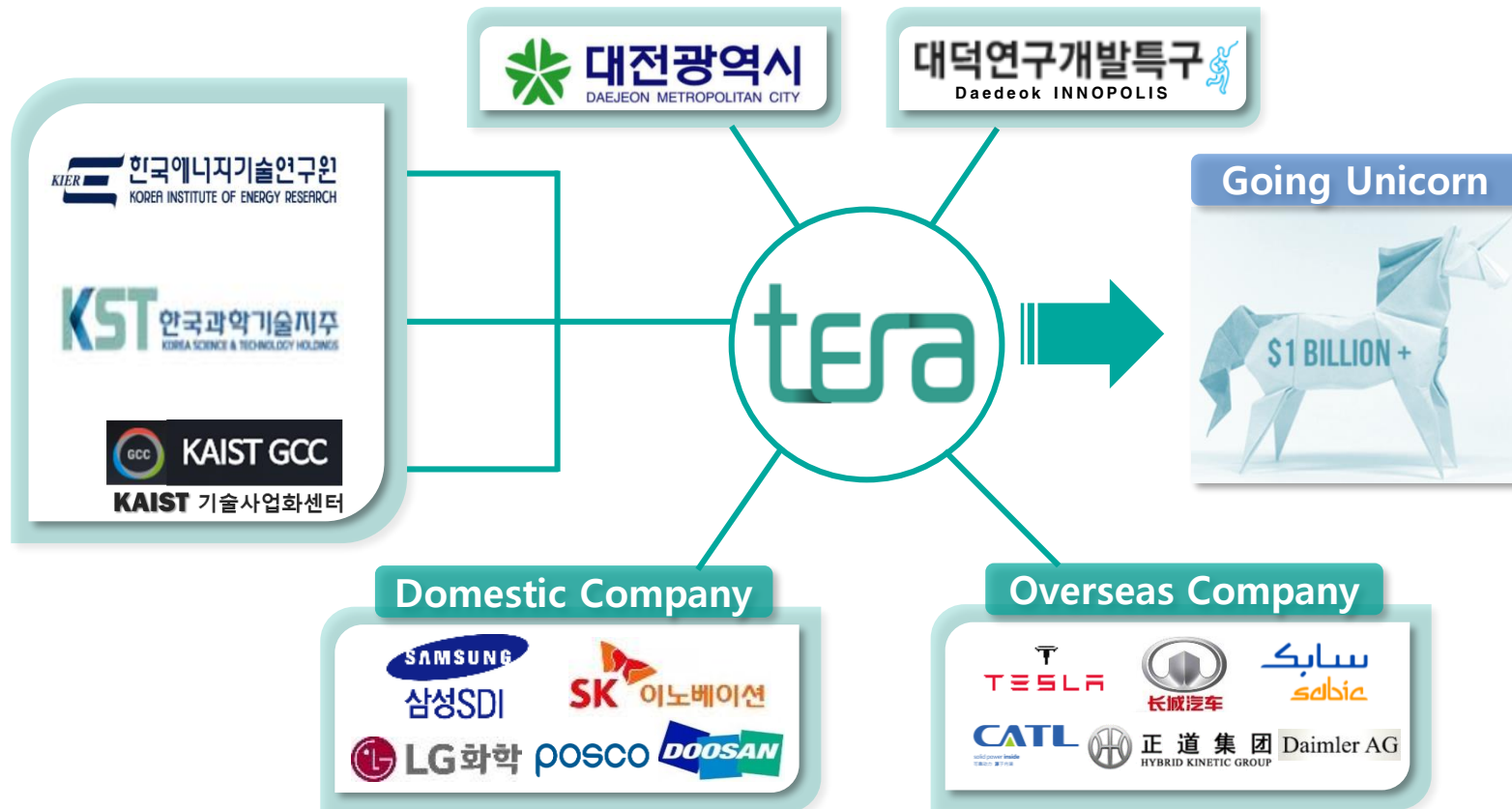
2019

- Prototype and constructing for mass production line
- Operation of mass production plant



Market prospect and Business plan

3. Business Network



Market prospect and Business plan

4. Business Goal

- ✓ **B to B business**
- ✓ **Funding : Mass production budget : 34 mil USD**
 - ex) Supposing company pre-value of Tera Technos 80 mil USD at present, 10 mil USD investor will be 11.1% shareholder.
(approx. 171,250 shares)
- ✓ **Up to 40% operating income ratio to sales by 2020**
- ✓ **Up to 10 bil. USD of company value by 2021**
- ✓ **Contribution to CSR (corporate social responsibility)**

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Company Facilities

Company Facilities



R&D Center Outside



R&D Center Inside



R&D Center Office(1F)



Support Office(2F)



SiOx Pilot Scale Chamber



Carbon Coating Machine



Mixed Gas Storage



Electric Power Supply



Controlling Room



Analytic Lab



Thank you.

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