SoftBank Group

SoftBank Group's Renewable Energy Business

March 7th, 2018

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Expansion of renewable energy has started to fundamentally redefine every industry.

SoftBank's Clean & Renewable Energy Projects

Great Earthquake
March 11th, 2011

RE developer in Japan
SB Energy
SoftBank Group
Oct, 2011

Fuel cell business
Bloomenergy JAPAN
Jul,2013

High-altitude wind gen.
ALTAEROS energies
Dec, 2014

RE developer in Saudi Arabia
SB Energy
Saudi Arabia LLC
Dec, 2017

Jul, 2011
Japan Renewable Energy Council
Aug, 2011
Renewable Energy Institute

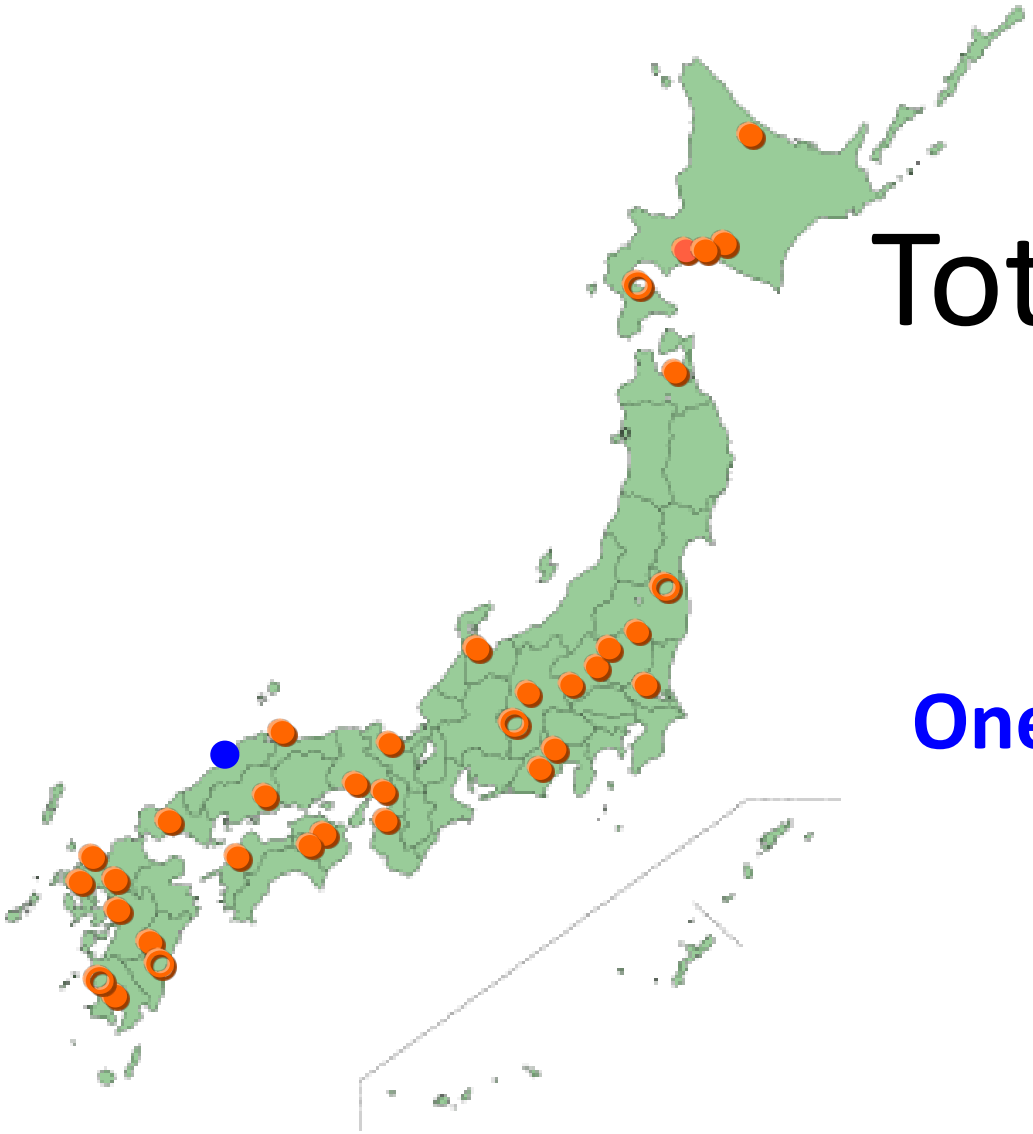
Oct, 2012
Clean Energy Asia
RE developer in Mongolia
(Gobi Green Energy)

Dec,2013
SB Power
Power retail Business
in Japan

Dec, 2015
PV developer
in India

Established RE business base in Japan, India and Mongolia

SB Energy (Japan)



Total **650**MW

(42 sites)

As of Feb 16, 2018

One of top RE developers in Japan

: Solar

: Wind

Power retail business (Japan)

Service in: 1st April 2016

(Service area)

Tohoku EPCO, Chubu EPCO,
Kansai EPCO, Chugoku EPCO,
Shikoku EPCO (Gradual expansion)

Renewable energy menu

Service in: February 2017

(Service area)

Hokkaido EPCO, Tohoku EPCO,
Tokyo EPCO, Chubu EPCO,
Kansai EPCO, Chugoku EPCO,
Shikoku EPCO, Kyushu EPCO

Bloom Energy Japan (Fuel Cell)

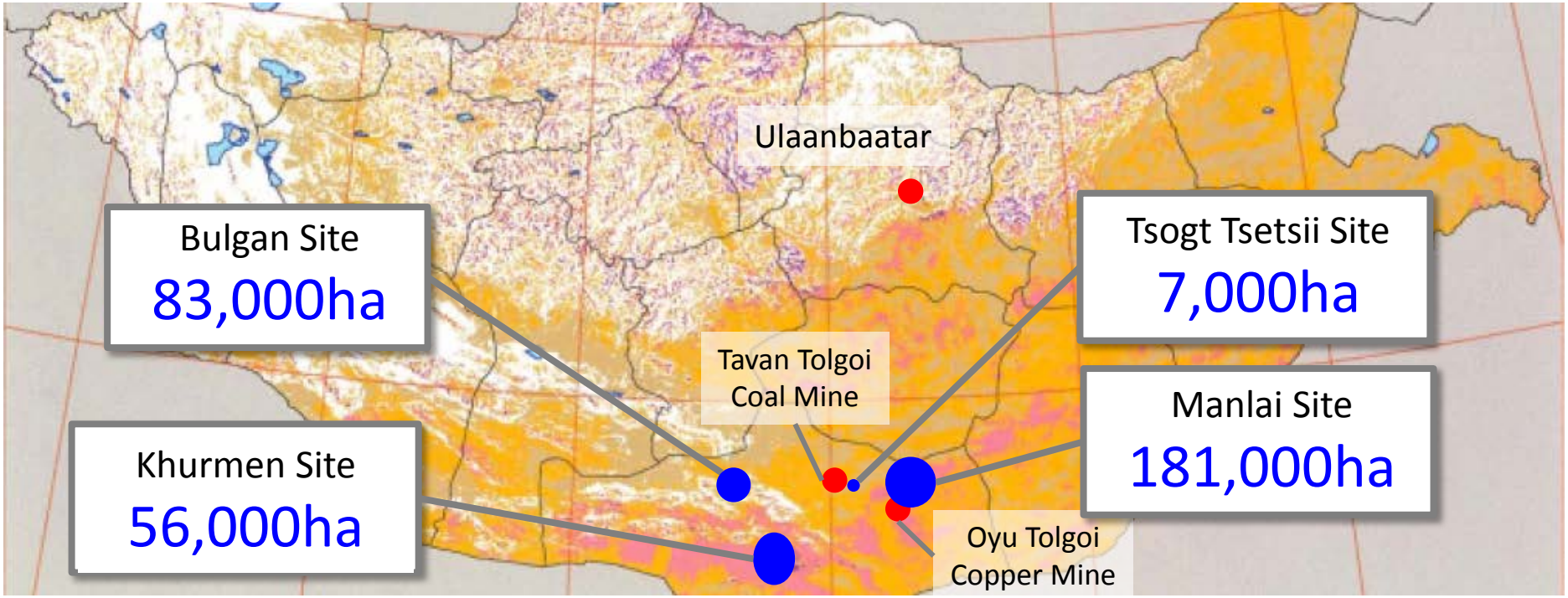
(SoftBank group:50%, Bloom Energy:50%)

New System of Distributed Power Generation

Provide clean, reliable and affordable energy to Japan

Gobi Green Energy (Mongolia)

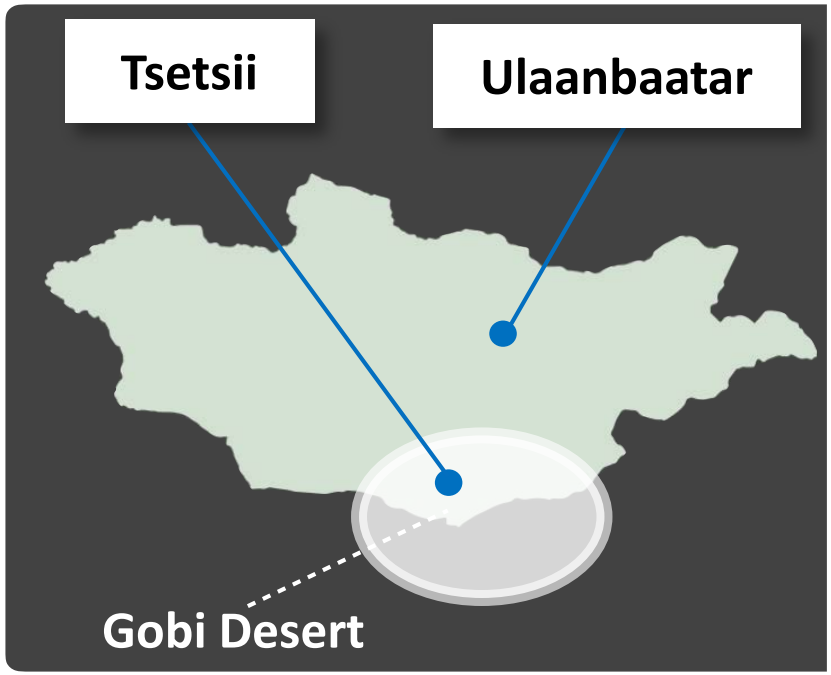
(Newcom:51%, SB Energy: 49%)



Land secured for development in the Gobi Desert

Total 326,000ha (3,260km2)

(13GW+ wind potential)



Wind Farm Development

- **50MW completed@Tsetsii**
  (COD: 6th Oct. 2017)
- **2GW project**
  (Feasibility study)

Solar PV Projects (India)

Our Projects

1. **350MW** (COD on March 29, 2017)

- **The world's 7th largest solar power plant**
- **Tariff is 7.1 cent/kWh** (INR 4.63)

2. **600MW**

- **Tariffs:**

  3.8 cent/kWh (300MW, INR 2.45)

  4.1 cent/kWh (100MW, INR 2.63)

  3.9 cent/kWh (200MW, INR 2.48)

Solar is cheaper than new coal-fired plants in India

Exchange rate) 1 INR = 0.01566 USD (as of Jan 28, 2018)

Contributing to the development of solar energy in Saudi Arabia

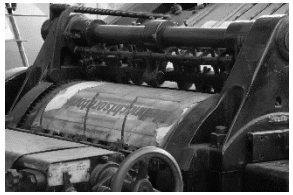
Will Japan be left behind the current global trends?

Creating the new era always involves:

Energy + Communication + Transportation

1st Industrial revolution

Coal



Printing press

Steam locomotive

2nd Industrial revolution

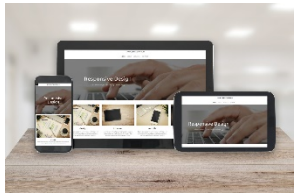
Oil

Telephone

Automobile

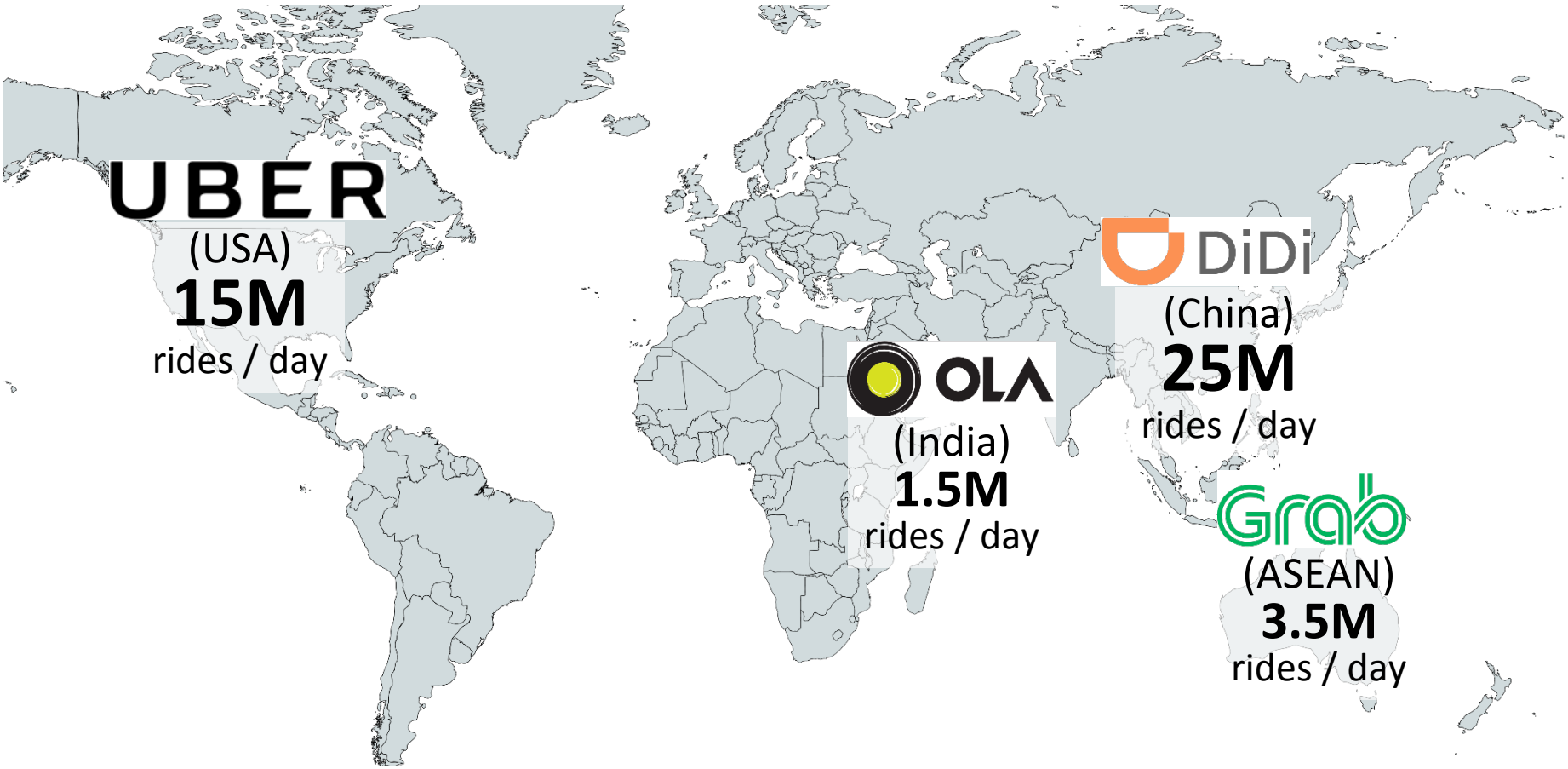
Ongoing revolution

Renewables



PC & Mobile Internet

EV & Ride-sharing



SoftBank group's global ride-sharing portfolio

SoftBank's Core Business Strategy

Bits

Information Revolution, IoT

Watts

Energy Revolution,
Clean & Renewable Energy,
GoT

The 5Ws & 1H

(When, Where, Who,
What, Why, and How)

Mobility

Optimization of Transport
(people, goods, money
and information)

SoftBank Group aim to be

Platformer & Service Provider

in "Golden Triangle"