

ISAP 2024

Parallel Sessions
15:30-16:30

1.5°C Roadmap

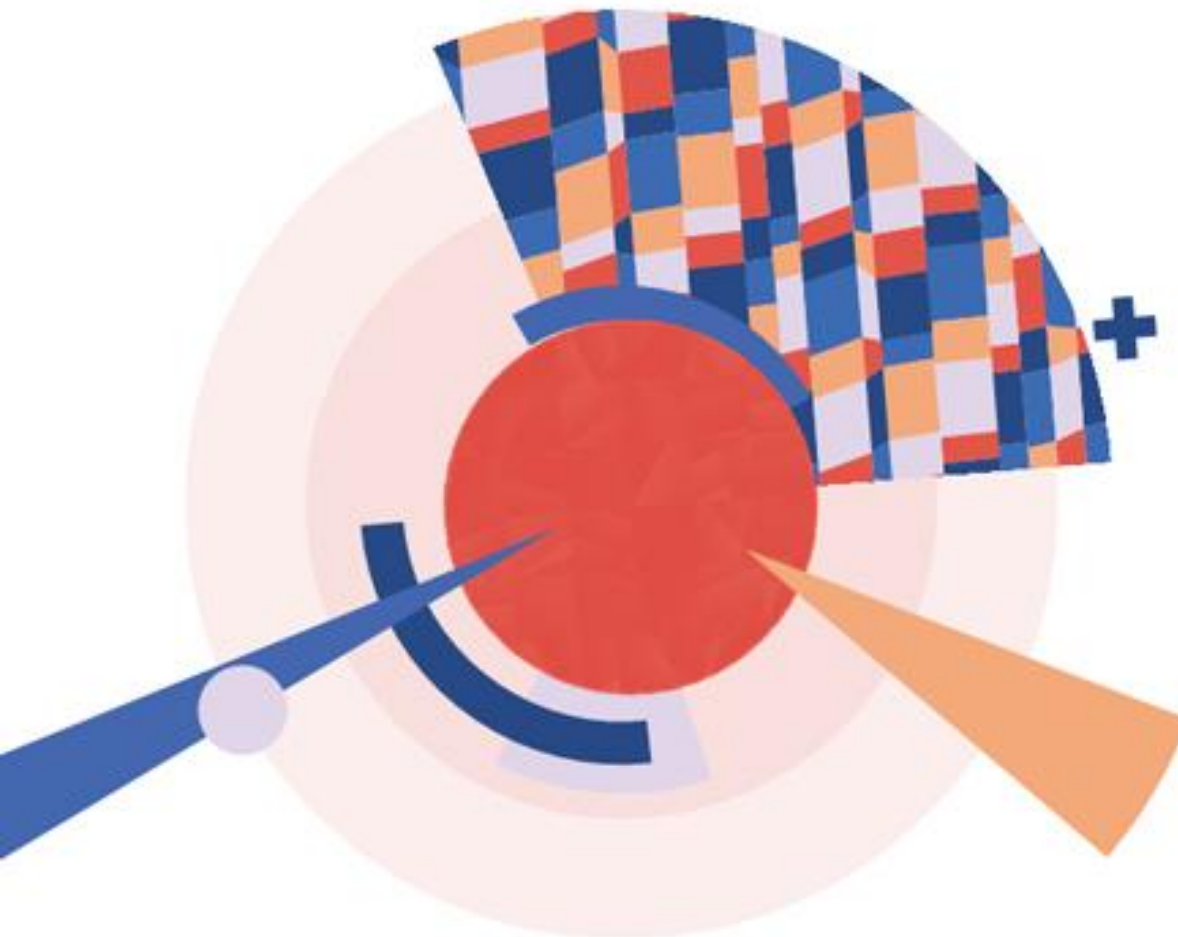
Seize Opportunities by Decarbonisation
and Create Sustainable Future

2024.07.23

i GRID SOLUTIONS Inc.

President and CEO

Tomokazu Akita

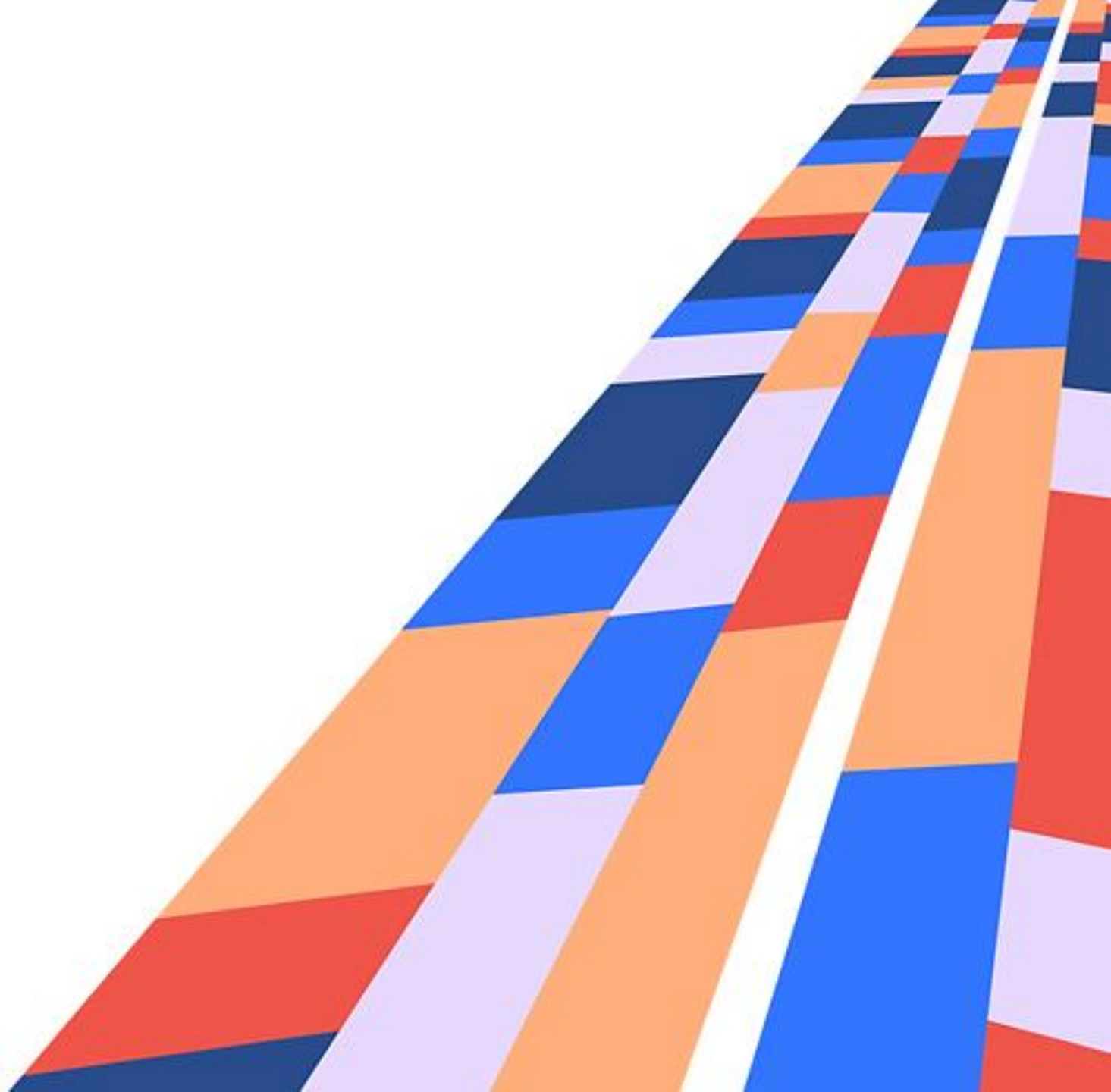


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01. Company Profile



Company Name	i GRID SOLUTIONS Inc.
President and CEO	Tomokazu Akita
Headquarters	3-7-4, Kojimachi, Chiyoda-ku, Tokyo
Branches	Chubu office, Kansai office, Kyushu office
Businesses	<ul style="list-style-type: none"> ➤ Development and management of the platform that unlocks diversified use of energy resources. ➤ Development and management of onsite solar PPA and related consulting services ➤ Providing integrated solution of storage battery and EV to accelerate Green Transformation. ➤ Energy trading for maximizing the use and circulation of renewable energy.
Number of Employees	120
Establishment	Feb 2004

Member of Directors



President and CEO
Tomokazu Akita



Chairman and Representative Director
Toshiyuki Honda



Member of the Board and Executive Officer
Taro Katagi



Member of the Board and Executive Officer
Yusuke Kawano

Share Capital

JPY6,530M *Capital surplus included

Major Shareholders

ITOCHU Corporation
The Kansai Electric Power Company, Inc.
TOKYU LAND CORPORATION
THE FUND
and other Financial Institutions

Affiliated Institutions



(As of the end of July 2024)

MISSION :

NEW Energy Partner

明日のエネルギーをあなたとつくる

VISION :

R.E.A.L. New Energy

グリーンエネルギーがめぐる世界の実現



Our Business

Dedicating to enterprises and governments to maximize self-sufficiency rate of renewable energy by accelerating Green Transformation.

Green Transformation Business

Providing integrated solutions of Green Transformation to achieve decarbonization and sustainable growth.



Energy Trading Business

Supplying carbon-free energy to households and enterprises



Onsite Solar PPA



No.1

for
3 consecutive years
in Japan



Facilities
950

MW
220

Clients
240

*As of the end of June 2024
*Including PPA alliance

Ranked No.1 as the largest market share company in the following surveys:
Fuji Keizai Renewable Energy Power Generation Systems and Services Market / Participant Fact-finding Survey 2024. Third-Party Ownership Model (PPA, Lease) Sector, Non-residential (10 kW or more) - Estimated for FY2023.

Fuji Keizai FY2023 Current Status and Future Prospects of Solar Cell-Related Technologies and Markets. Third-Party Ownership Models (PPA, Leasing) Sector, Non-Residential (10kW or More) , FY2022 Results

Fuji Keizai Renewable Energy Power Generation Systems and Services Market / Participant Fact-finding Survey 2022 Third-Party Ownership Model (PPA, Lease) Sector, Non-Residential (10kW or more), FY2021 results

*VPP Japan was merged into i GRID SOLUTIONS (effective June 29, 2024)

Our Clients



What is Onsite Solar PPA?

PPA (Power Purchase Agreement)

iGRID
SOLUTIONS

Install and maintain
solar panel



Electricity fee
for consumption



Advantages



Upfront/maintenance cost free



Decarbonization/
carbon free energy



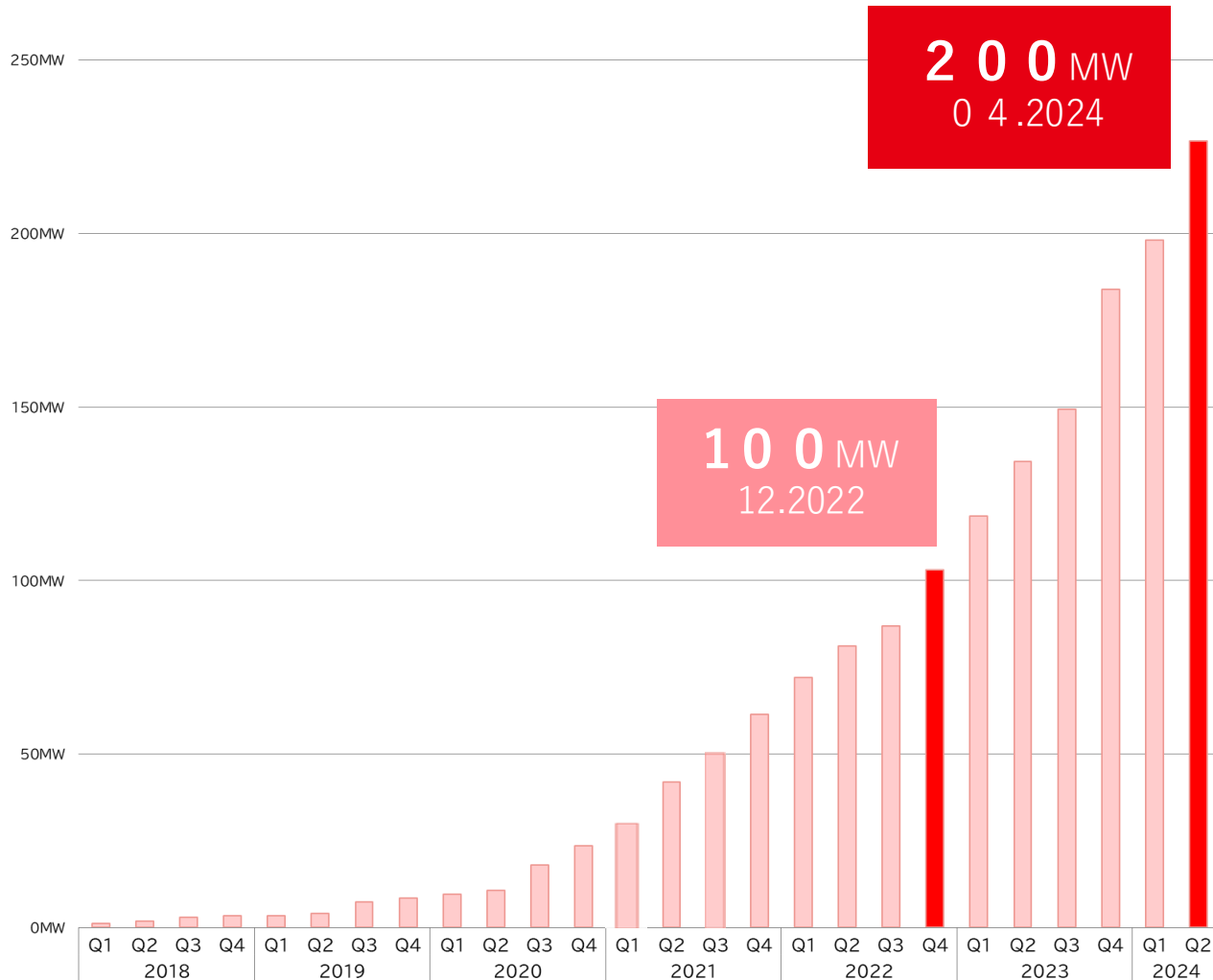
Stabilization of energy cost



Emergency power supply/
Business continuity planning

Onsite Solar PPA Achievements

Rapid Growth of Generating Capacity



Develop **1.5** PPA power plants on every business day

Carbon emission reduction

94,765 t-co₂/kWh

⇒ Same amount of carbon emission from the annual electricity use of

37K households

(Based on the CO₂ emissions statistical survey 2022)

Total Amount of Funding

JPY 26B

As of the end of June 2024

*The amount stated is debt funds for PPA and does not include equity financing



Our efforts to spread renewable energy without destroying nature have been highly evaluated.

2021

Minister of the Environment
GOOD LIFE AWARD Grand Prize



2022

Minister of the Environment
Climate Change Action
Minister of the Environment Award



2023

Minister of the Environment
New Energy Award
Chairman's Award

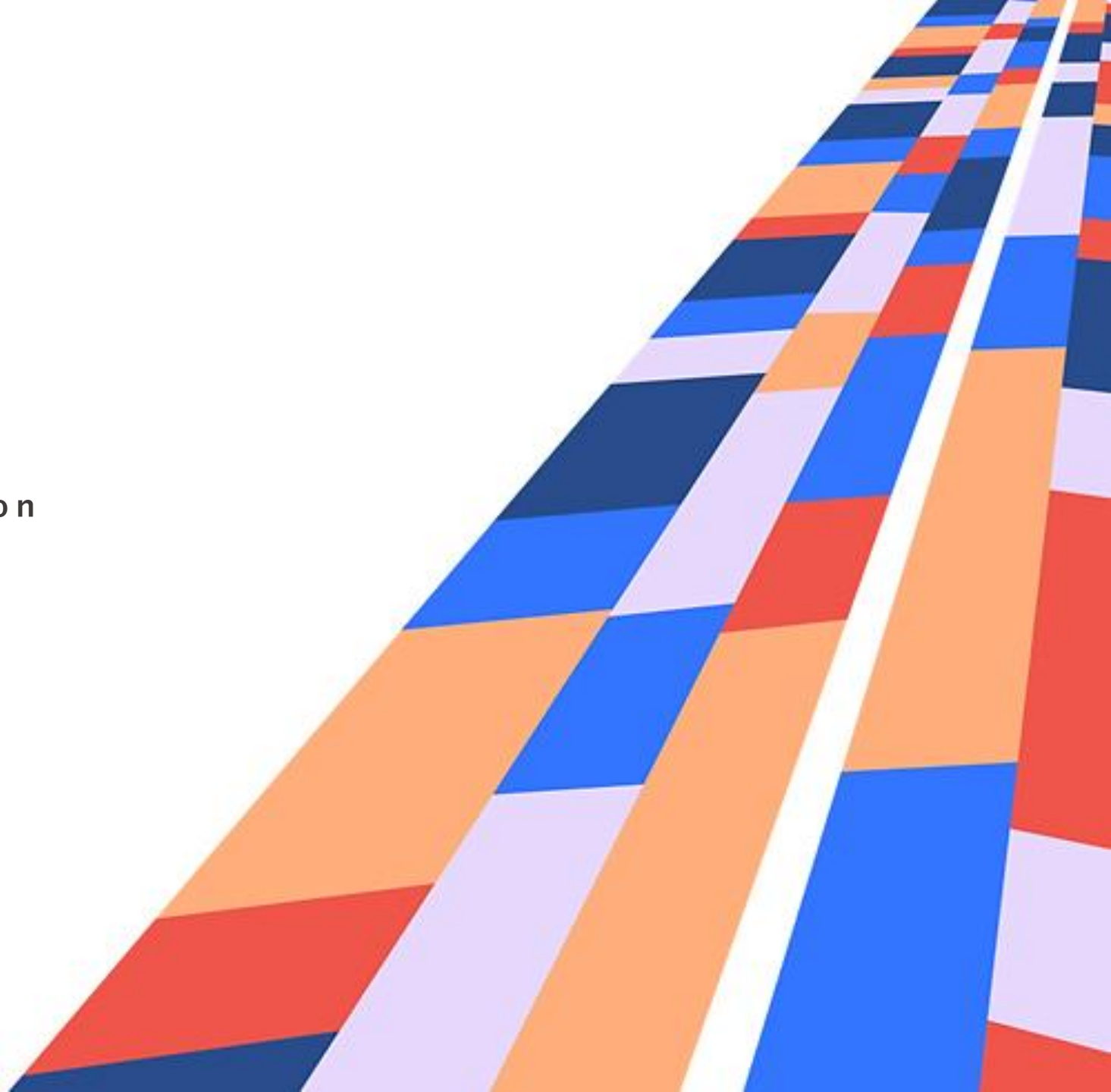


2023

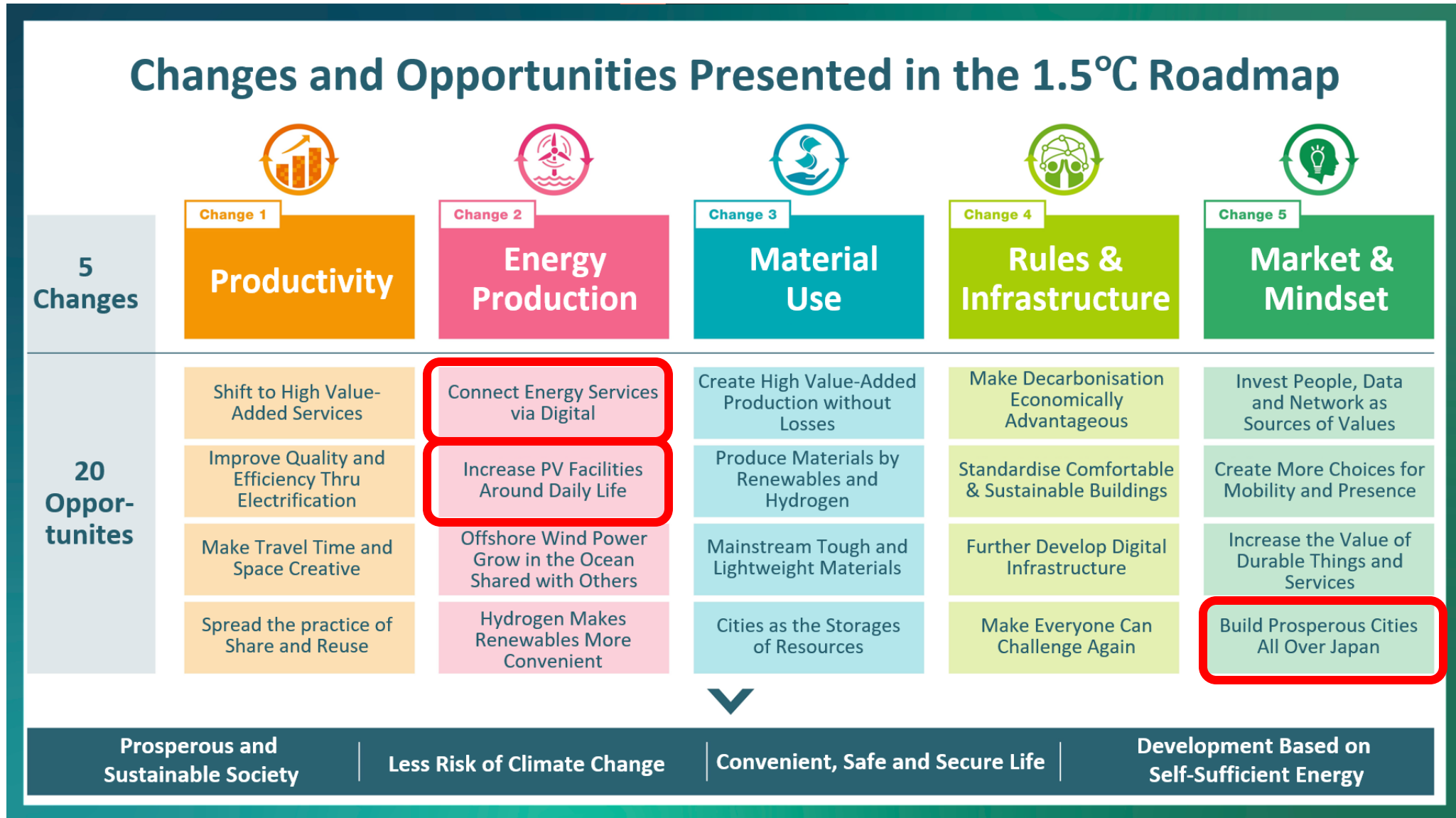
The First Unicorn Company in Green
Transformation industry in Japan



02. Our Energy Transformation



5 Changes and 20 opportunities



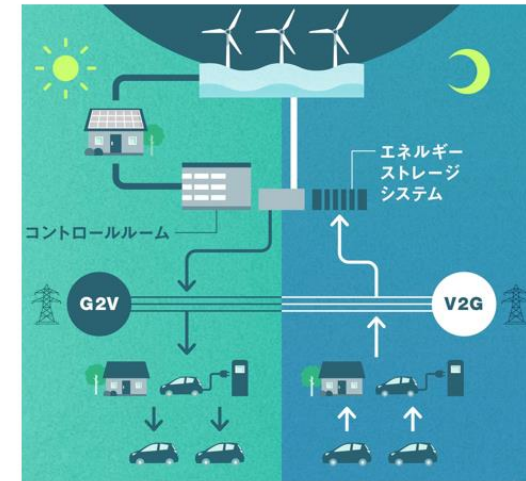
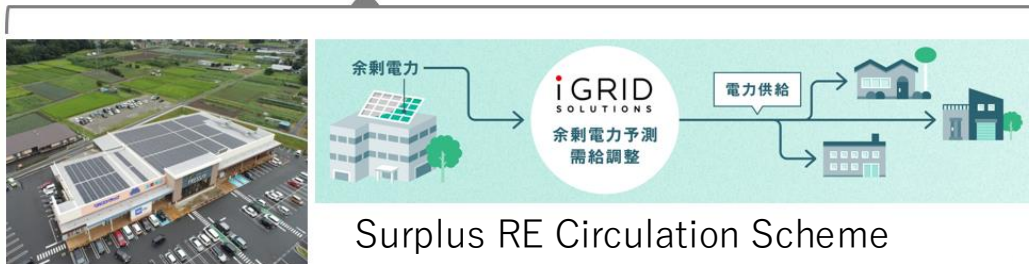
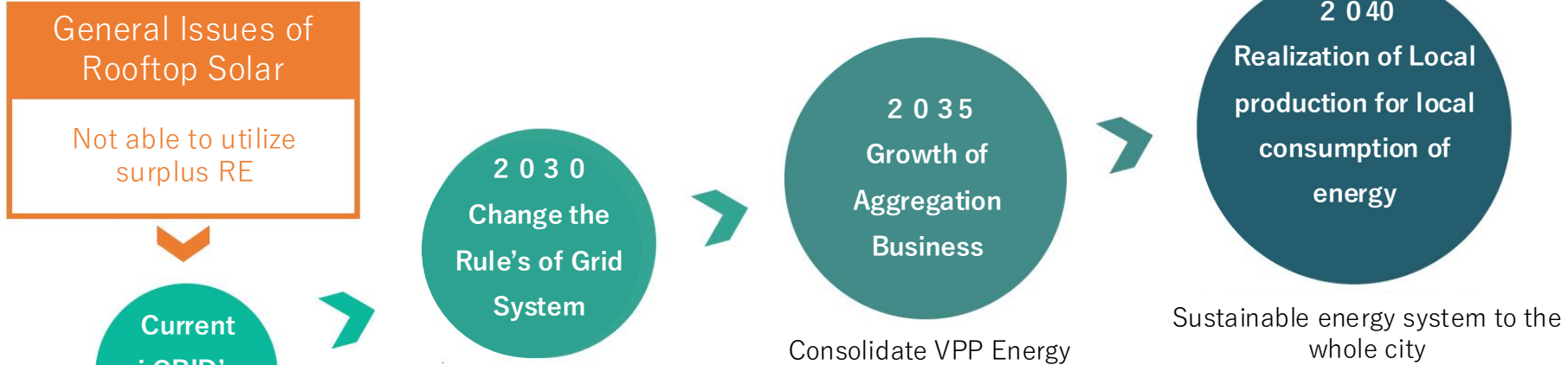
*IGES"1.5°C Roadmap"

Our energy transformation aligned with 1.5°C roadmap



Case Study: Energy Production Changes

Unlock the opportunity of VPP business with Surplus RE Circulation Scheme

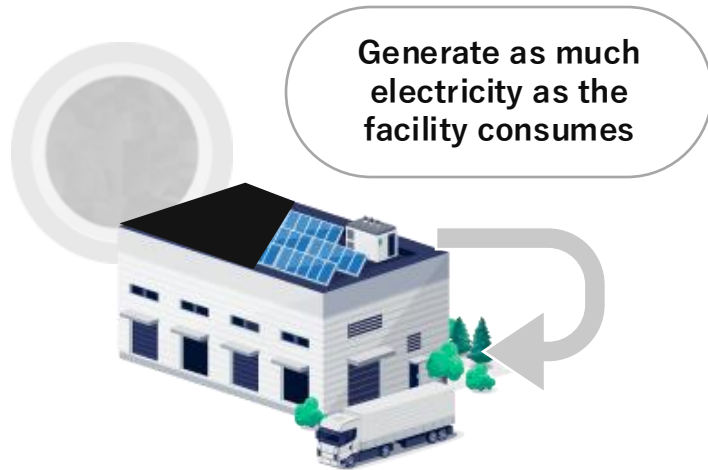


*IGES"1.5°C Roadmap" (Translated by i Grid)

Energy Transformation 1: Surplus RE circulation Scheme

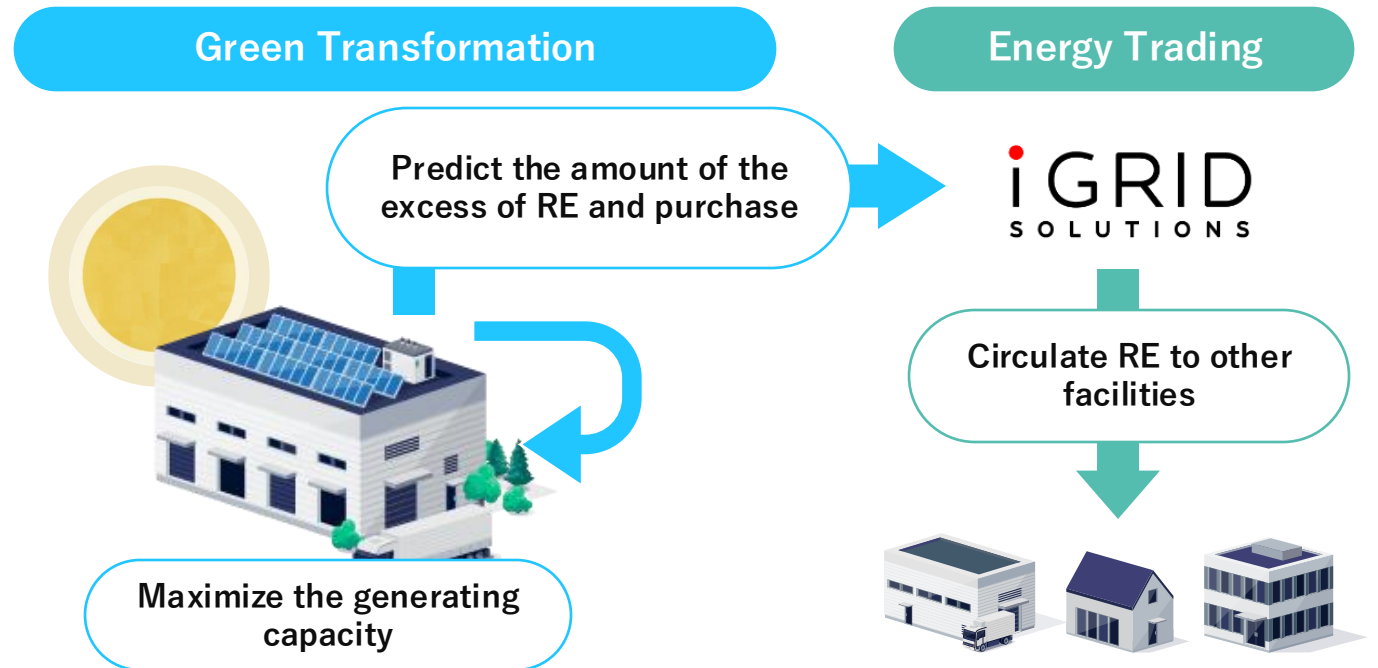
General Onsite Solar PPA in Japan

Solar panels are not installed on the entire roof to avoid generating surplus RE.



Surplus RE circulation Scheme

AI predicts the amount of surplus RE. We purchase it and supply to the other facilities. This circulation maximizes the amount of RE.



R.E.A.L. New Energy Platform®

The integrated AI platform, R.E.A.L. New Energy Platform® was developed by combining energy big data accumulated through more than 20 years of our business and the cutting-edge AI technology.



Our energy big data

PPA Power Plants

950 facilities

AI Energy Management

7000 facilities

Electricity Supply

300K facilities



*As of the end of June 2024

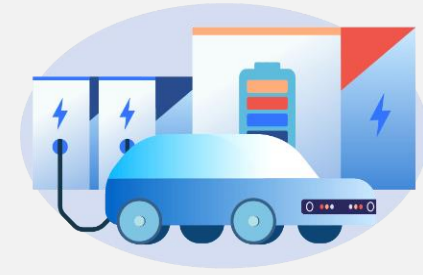
1 Visualize the status of RE self-sufficiency

Weather data, demand forecasts, solar power generation, charging and discharging status of batteries and EVs, amount of CO2 reduction, etc.



*Sample screen

2 Integrated and optimal management of equipment

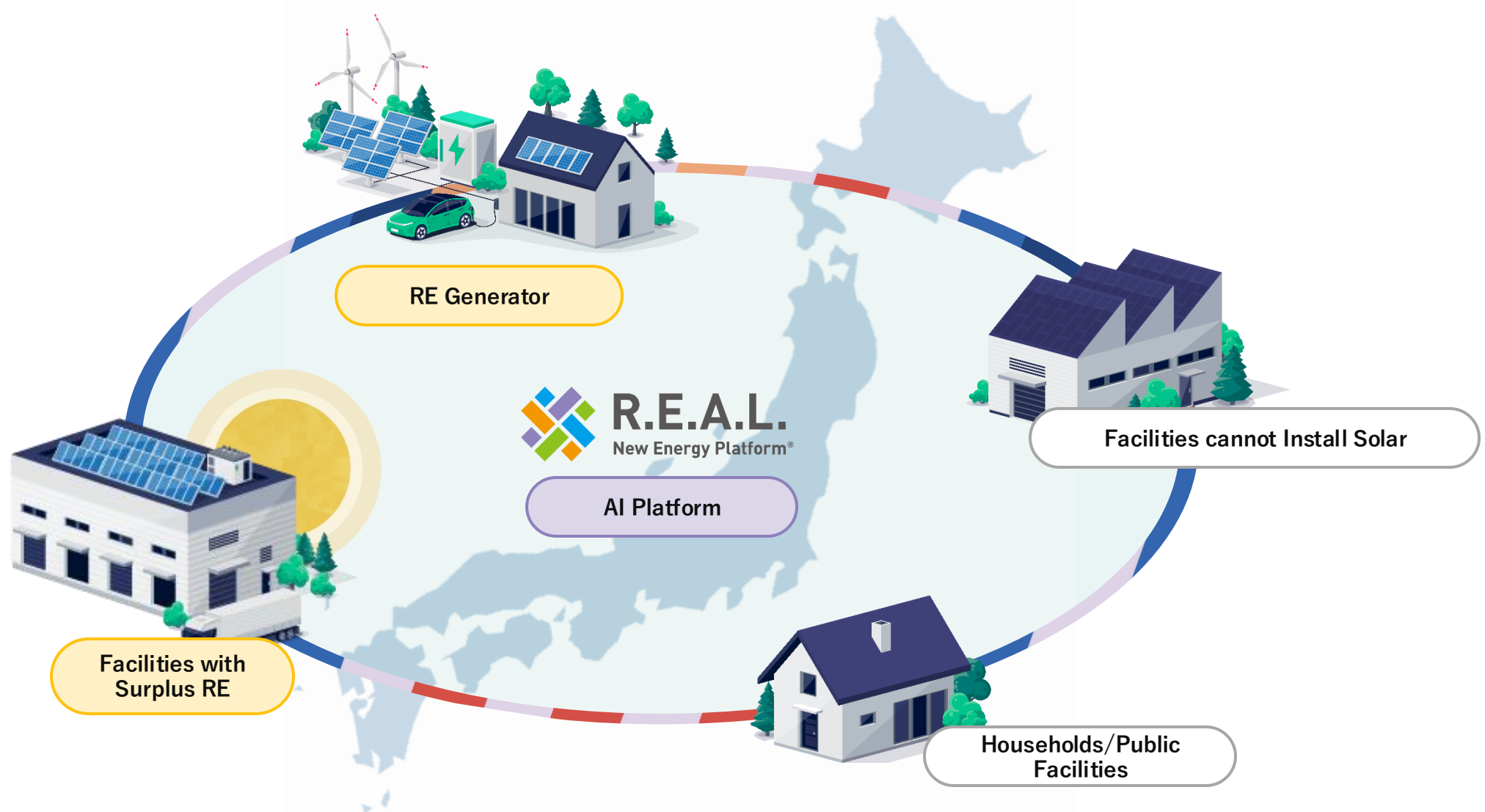


3 Distribute surplus RE to other facilities



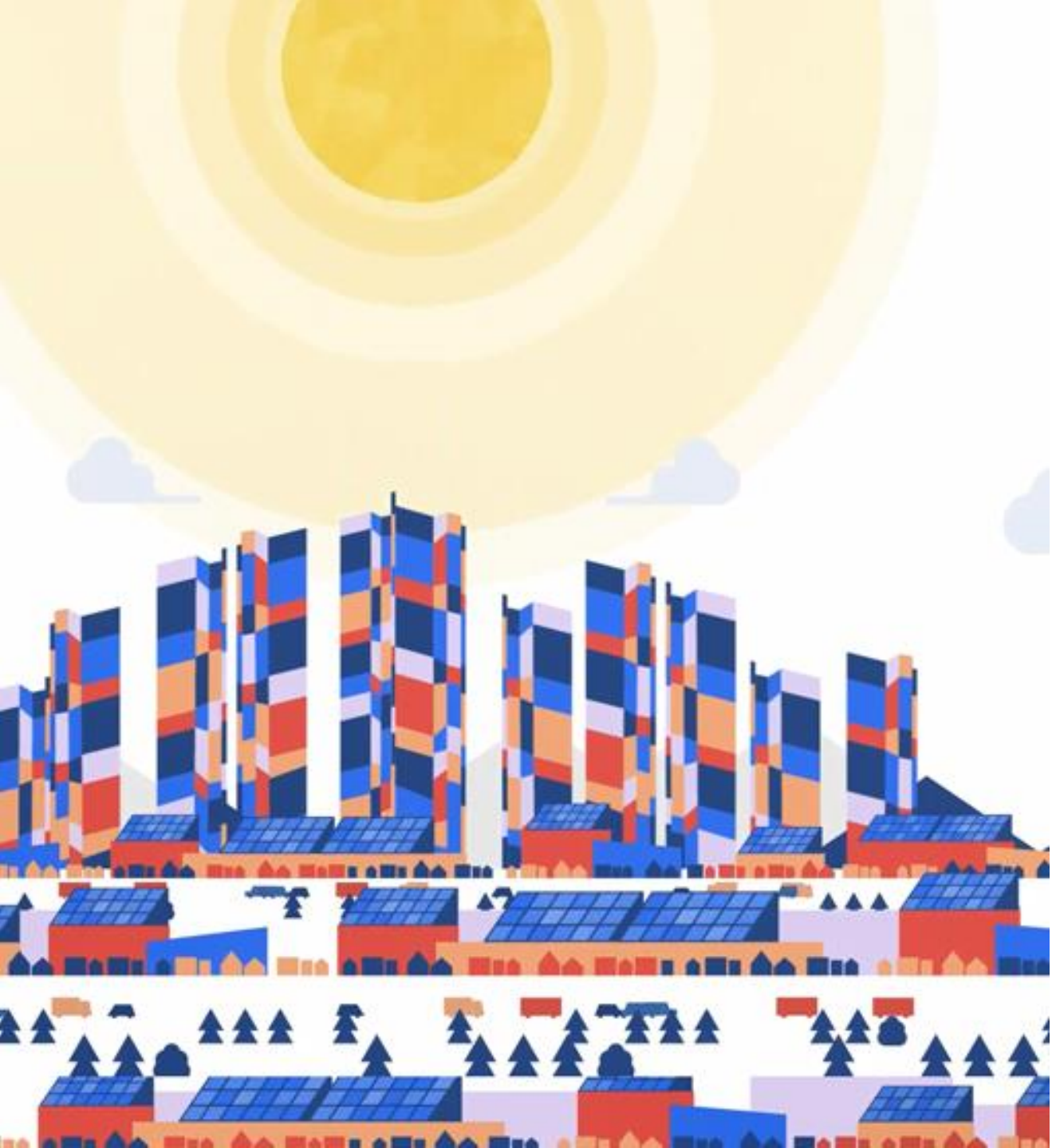
Energy Transformation 2: Circulate RE throughout Japan

As a platformer, we consolidate RE and stably circulate it throughout Japan



Energy Transformation 3: Stimulate Local Economy with circulation of RE





Thank you

変化より、はやく

iGRID
SOLUTIONS