

Industrial Decarbonization to be Realized in Ishikari City, Hokkaido

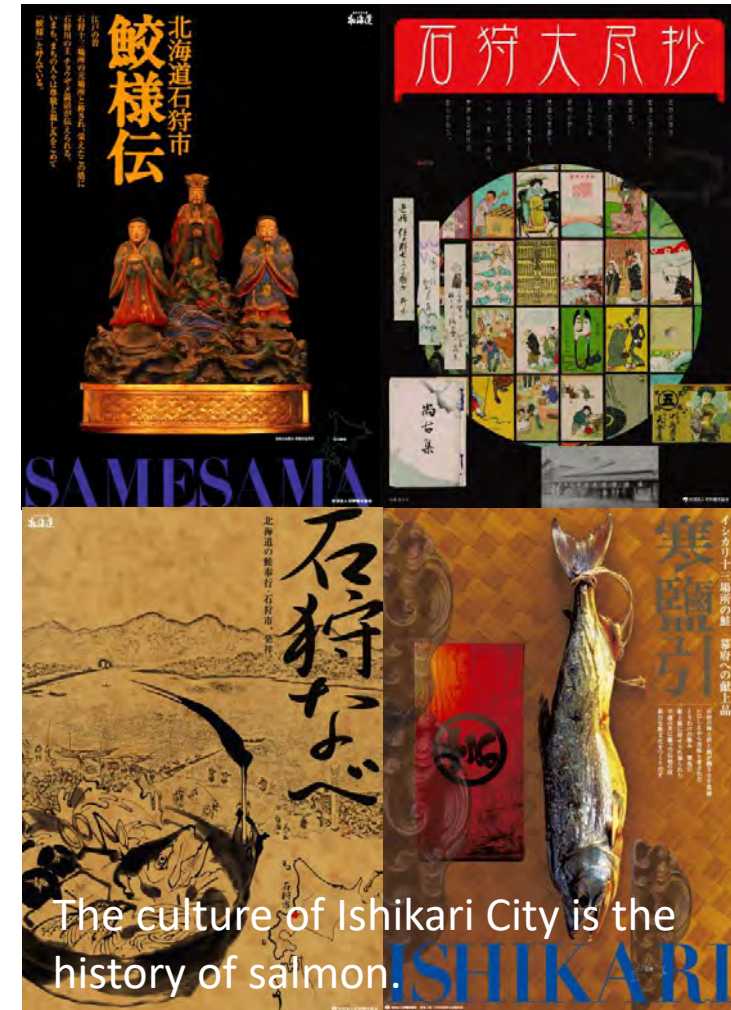
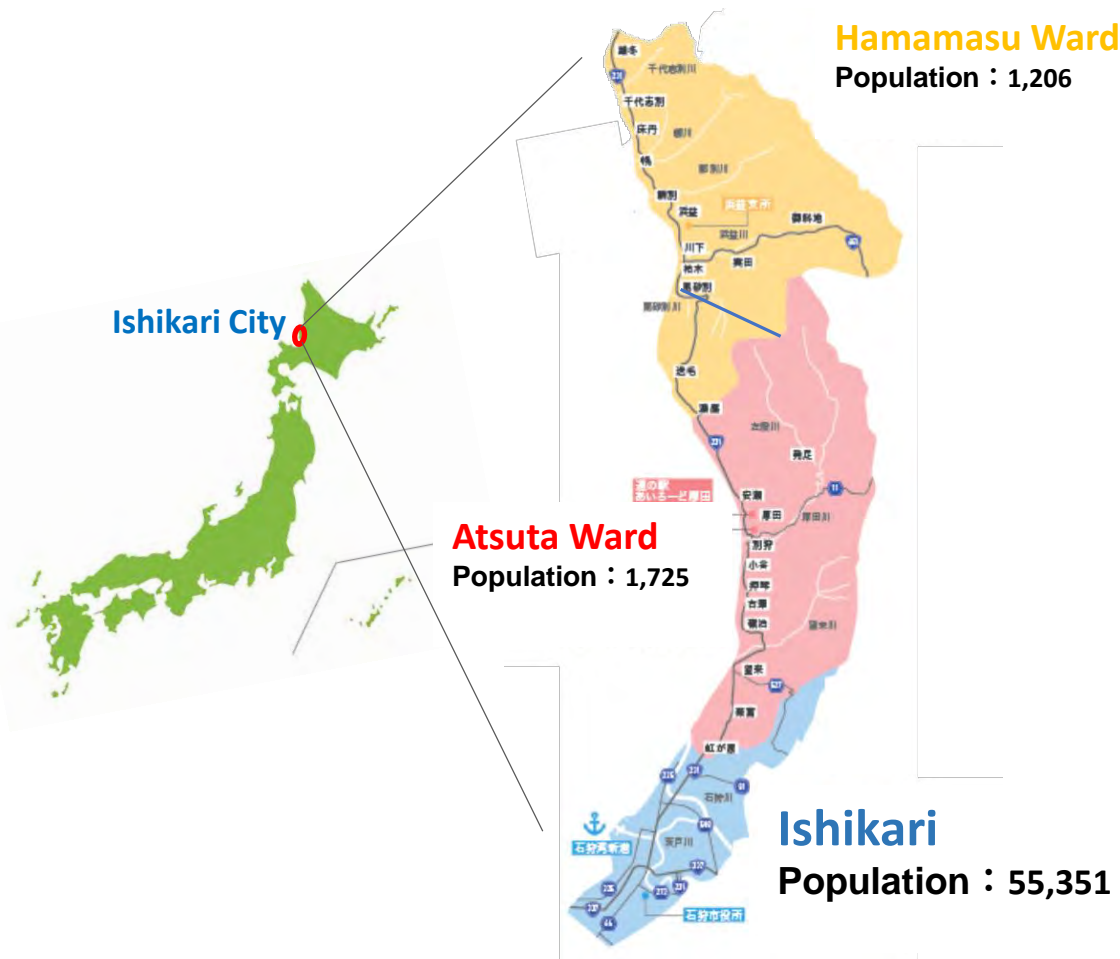
Planning and Economy Department, Ishikari City, Hokkaido



Ishikari City overview



Area 722.42km² (About 70km north to south)
Population 58,282 (As of the end of December 2020)



Ishikari City aims to be a zero-carbon city by 2050 by utilizing local renewable energy in the community.

Ishikari Bay New Port Area

Ishikari Bay New Port Area is an industrial park that supports urban functions.

〈Sapporo Station〉

About 15km
from the center of Sapporo



[Ishikari Bay New Port]

Industrial park where various industries are concentrated

Development scale 3,022ha

Located companies : over 760

Working population : over 20,000

Warehouse, Logistics, Manufacturing, Power plants,
large-sized commercial store(Costco) and more...

***Including under construction and planning**



existing
300MW



potential

3.6GW

*From the regional economic cycle analysis of the
Ministry of the Environment

Perspective drawing of Offshore Wind Farm
(Ishikari Bay New Port)



Ishikari city has enormous potential for introducing various types of renewable energies.

Presented by Green Power Investment Corporation



Industrial complex



Clustering in the same area

Renewable Energy



Ishikari Bay New Port Area is an industrial space that will curb GHG emissions, which have been increasing since the Industrial Revolution.

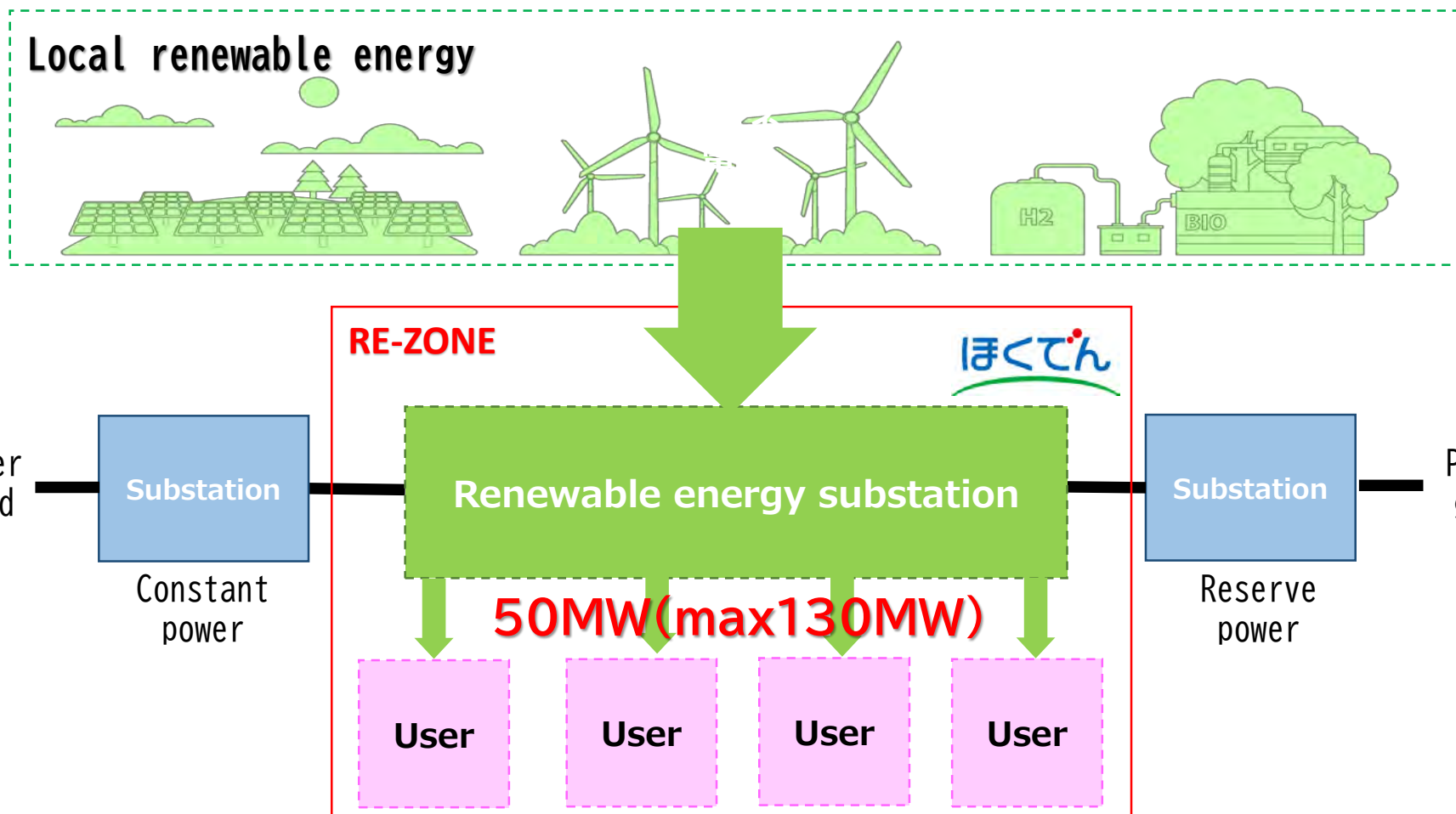


RE-ZONE



Regional renewable energy supply

In 2024, the company plans to begin supplying local renewable energy to the region.



Renewable energy supply capacity to the RE zone starts at 50 MW.

Zero emission Data center

With local renewable energy fully decarbonize data center.
We are working with Hokkaido Electric Power Company and Kyocera Communication Systems to realize the concept.

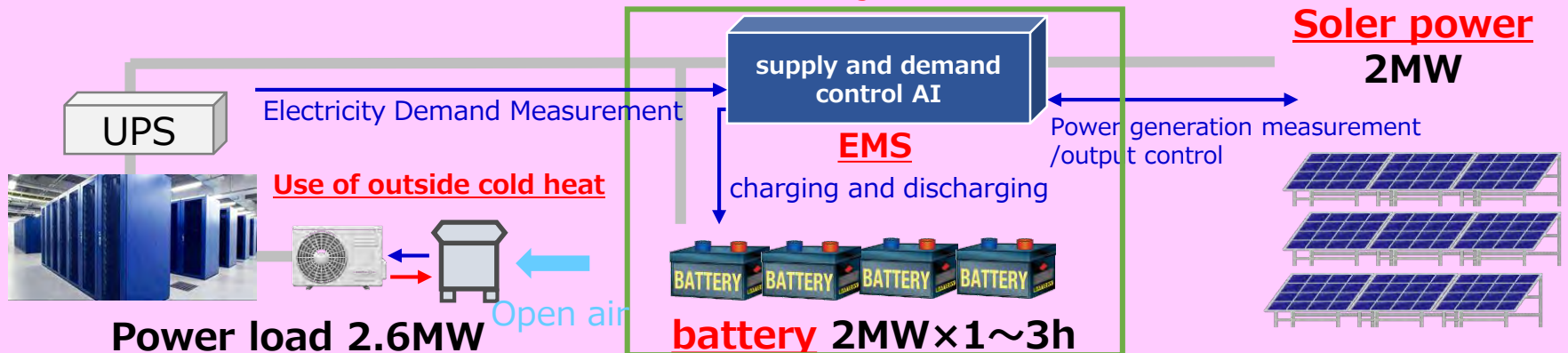


Renewable energy
substation



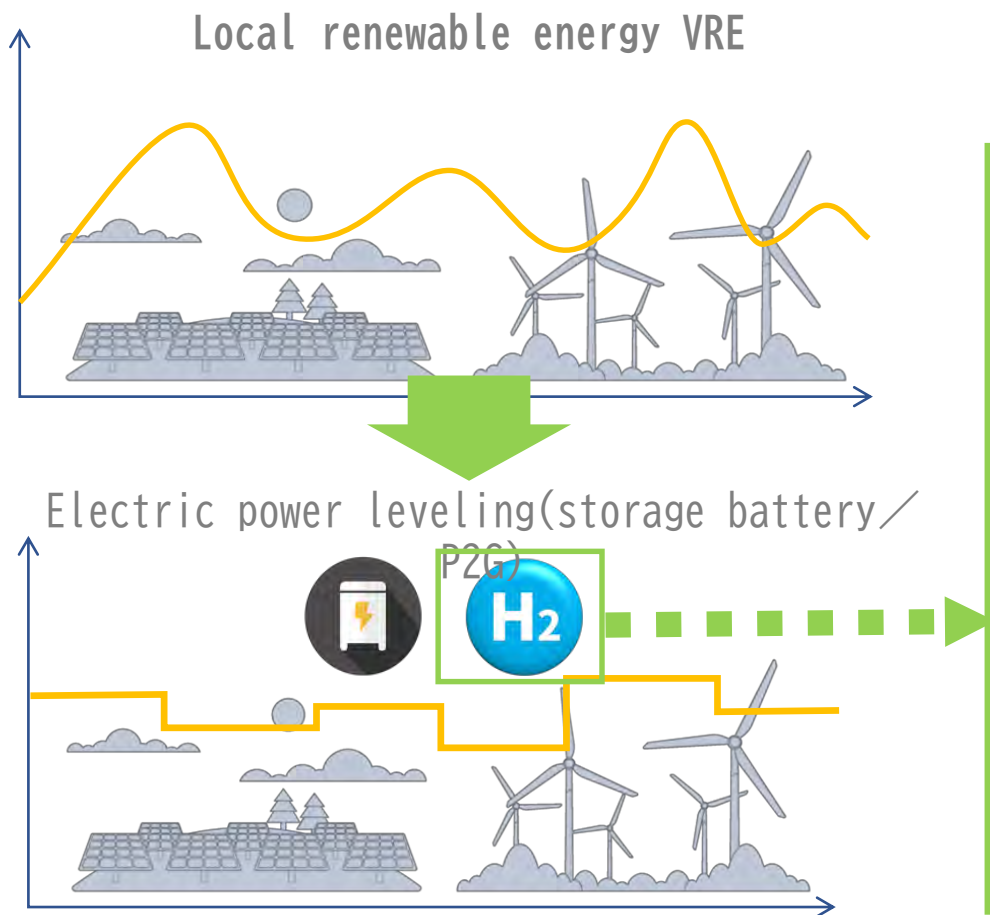
Data center

Fluctuation adjustment function



Aiming for the realization of a Hydrogen society

Plan to produce hydrogen from fluctuating renewable energy surpluses.



[Partners]



- Building a hydrogen society -

Urban energy(Fuel cell)

SAPPORO etc.

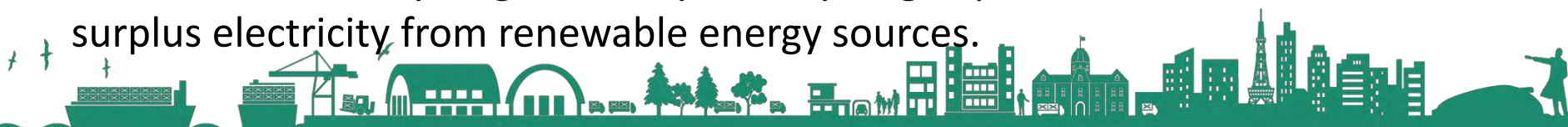
Mobility(FCV)

car

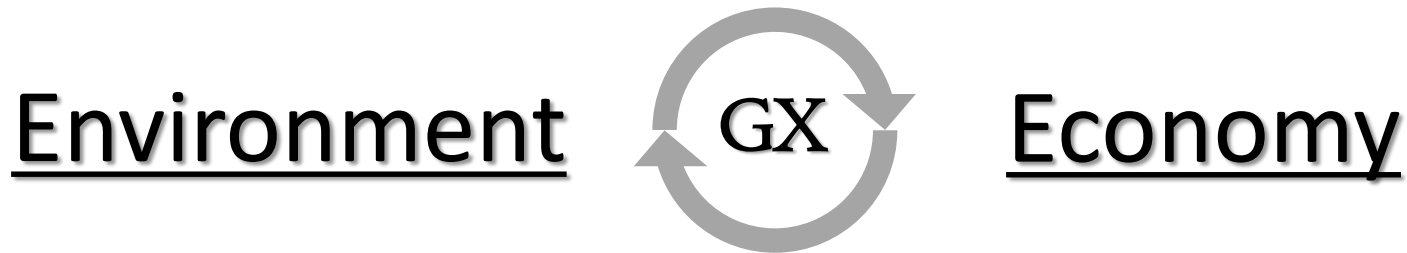
truck

bus

We aim to build a hydrogen society with hydrogen produced from surplus electricity from renewable energy sources.



Ishikari City aims for local production of renewable energy



We will promote local production of renewable energy
and
decarbonize the industry.

Realization of a decarbonized region = **Realization of sustainable industry**

