



Toward the Development of a GX-Related Industrial Cluster Centered on Offshore Wind Power

Industrial Development Promotion Division, Akita City
Director for Renewable Industry Promotion

Yasushi Shinde
February 24, 2026

Overview of Akita City

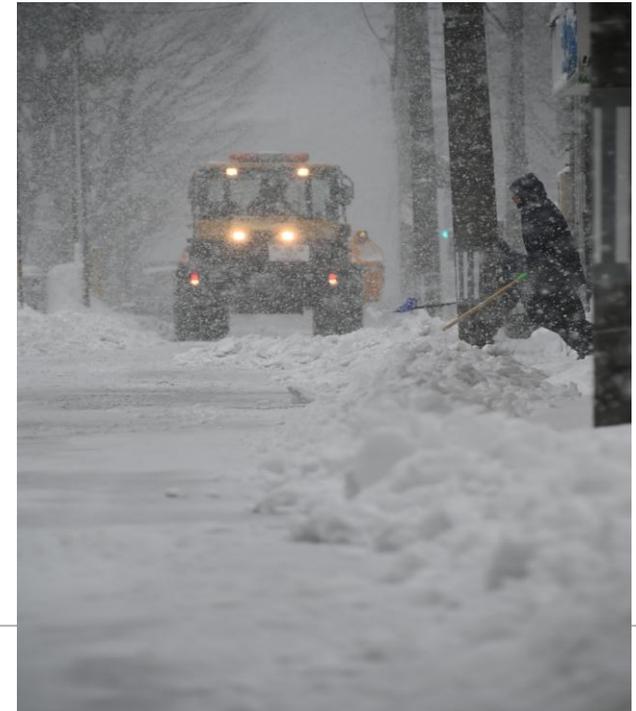
Population

Approximately 300,000 people

It is the second-largest prefectural capital in the Tohoku region, after Sendai City, and accounts for about one-third of Akita Prefecture's population.

Industry

In Akita City, a large majority of workers are employed in the tertiary industry.



再生エネルギー海域利用法に関する全国の状況



Legend

- Red : Promotion Areas
- Yellow : Promising Areas
- Green : Preparation Areas

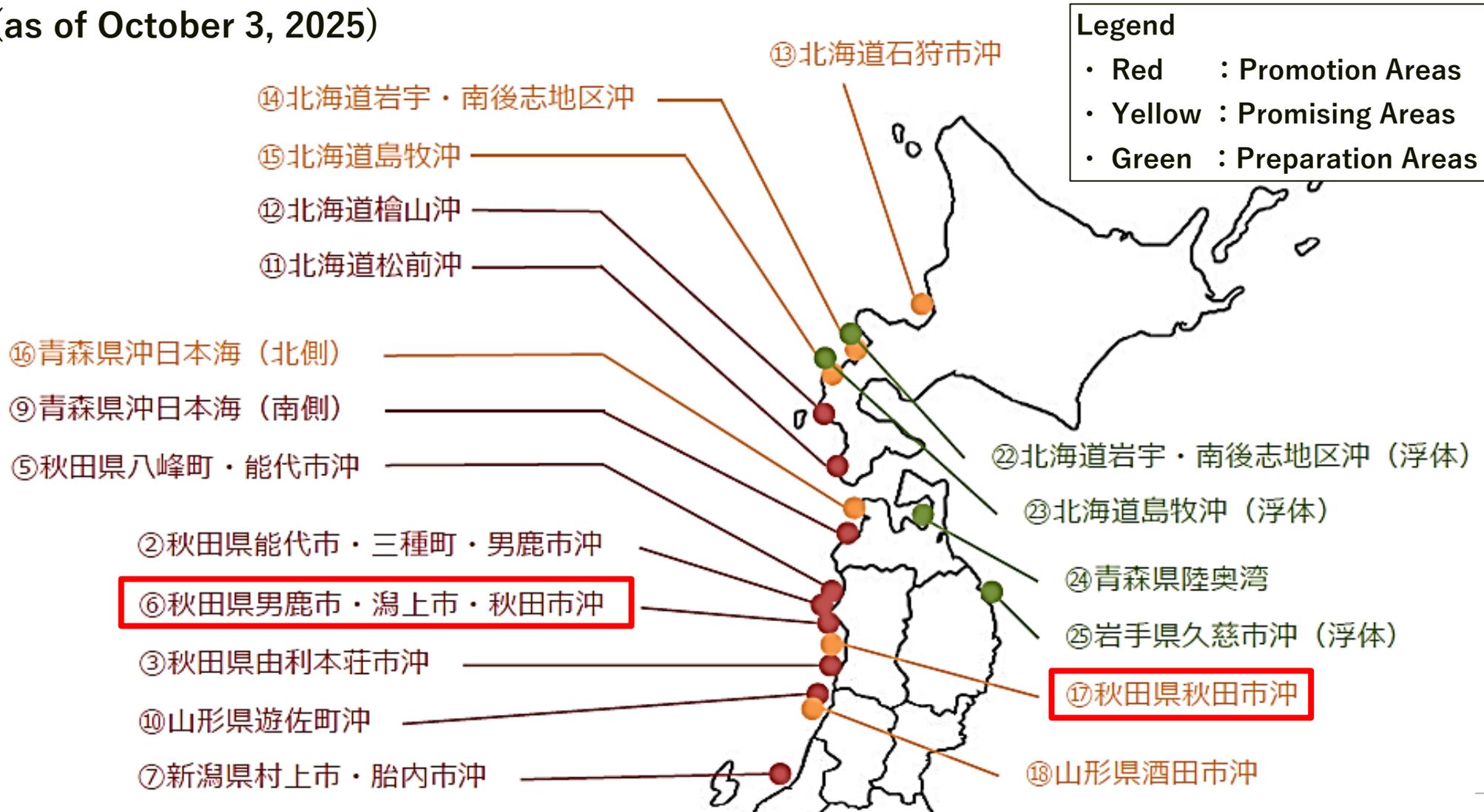
【凡例】

- 促進区域
- 有望区域
- 準備区域

※容量の記載について、事業者選定済の案件は選定事業者の計画に基づく発電設備出力量。それ以外は、事業者が確保している系統接続の最大受電電力、または系統確保スキームで算定した当該区域において想定する最大出力規模であり、区域の調整状況に応じて変動しうるもの。

Offshore Wind Power Projects in General Sea Areas Nationwide

Status of Designation and Classification of Promotion Areas and Prospective Areas (as of October 3, 2025)

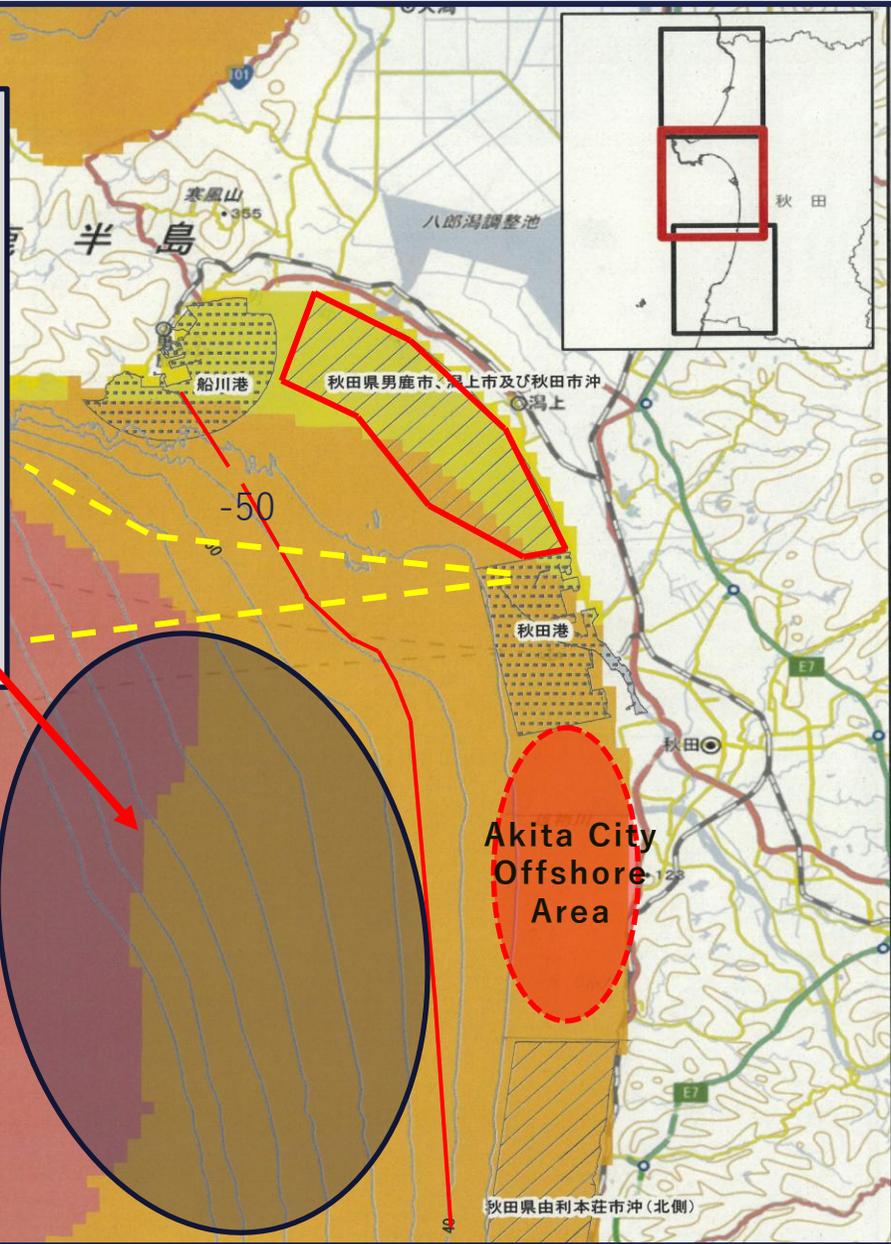


Potential Areas for Promotion

Areas Considered Promising for Floating-type

【 Area Information 】

- ① Wind Conditions : 7.5~8.5m/ s
- ② Geology : Coarse Silt / Fine Silt
- ③ Slope : 0.0~1.0°
- ④ Wave Height :
 2.0~2.6m (Winter)
 0.4~0.8m (Summer)



凡例

年平均風速(地上140m)	
3.0-3.5m/s	5.5-6.0m/s
3.5-4.0m/s	6.0-6.5m/s
4.0-4.5m/s	6.5-7.0m/s
4.5-5.0m/s	7.0-7.5m/s
5.0-5.5m/s	7.5-8.0m/s
	8.0-8.5m/s
	8.5-9.0m/s
	9.0-9.5m/s
	9.5-10.0m/s
	10.0-10.5m/s

Shipping Route

Offshore Wind Power Projects in the General Sea Areas off Akita Prefecture

○ Off the Coast of Happo Town and Noshiro City (375 MW)

Scheduled operation: in June 2029

○ Off the Coast of Noshiro City, Mitane Town, and Oga City (494 MW)

Re-tendering planned

○ Off the Coast of Oga City, Katagami City, and Akita City (315 MW)

Scheduled operation: in June 2029

○ Off the Coast of Akita City
(Assuming a capacity of 375 MW)

**Designated as a “Promising Area” in October 2025
⇒ Aiming for prompt designation as a “Promotion Area ”.**

○ Off the Coast of Yurihonjo City (845 MW)

Re-tendering planned



秋田県沖の洋上風力発電

電

・全国初の本格的な洋上風力発電所
 ・全国最多の「基地港湾」
 (本県2港/全国7港)

港湾内

能代港 [8.4万kW] 秋田港 [5.5万kW]



写真提供：秋田洋上風力発電(株)

[発電事業者]
 秋田洋上風力発電(株)
 (丸紅(株)を中心とする特別目的会社)

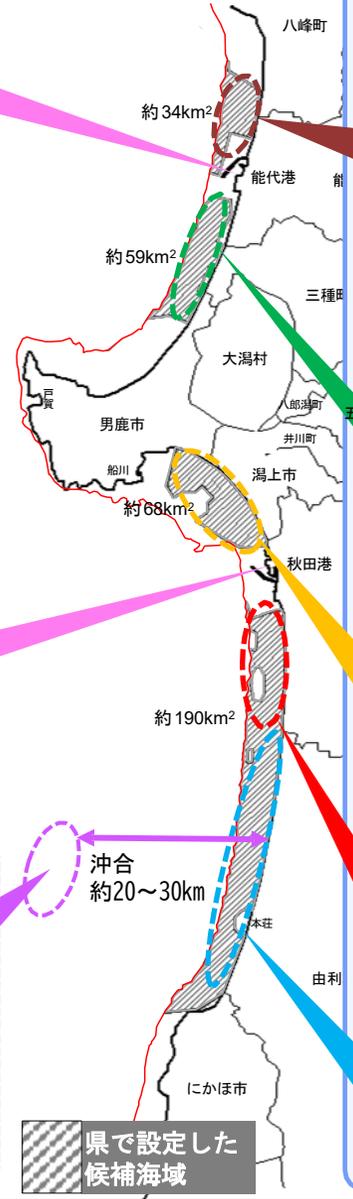
[風車基数]
 能代港：4.2MW×20基 秋田港：4.2MW×13基

[風車メーカー]
 Vestas

[商業運転開始]
 能代港：2022年12月 秋田港：2023年1月

県内企業7社が参画

水深30m



一般海域

全国最多の「促進区域」
 (本県4海域/全国12海域)

八峰町・能代市沖 [37.5万kW] Vestas製
1.5万kW×25基

2021年 9月 促進区域に指定
 2024年 3月 発電事業者の選定

(同)八峰能代沖洋上風力
 * ENEOSリニューアブル・エナジー(株)、
 イベルドローラ・リニューアブルズ・ジャパン(株)、東北電力(株)

2029年 6月 運転開始(予定)

能代市・三種町・男鹿市沖 [41.5万kW]

2020年 7月 促進区域に指定
 2021年12月 発電事業者の選定
 2025年 8月 発電事業者による事業撤退の表明

※再公募予定

男鹿市・潟上市・秋田市沖 [31.5万kW] Vestas製
1.5万kW×21基

2022年 9月 促進区域に指定
 2023年12月 発電事業者の選定

男鹿・潟上・秋田Offshore Green Energy (同)
 * JERA Nex bp Japan (同)、電源開発(株)、
 伊藤忠商事(株)、東北電力(株)

2025年 4月 陸上工事開始
 2028年 6月 運転開始(予定)

秋田市沖 [37万kW] 美郷町

2024年 9月 準備区域に整理
 2025年10月 有望区域に整理

由利本荘市沖 [73万kW]

2020年 7月 促進区域に指定
 2021年12月 発電事業者の選定
 2025年 8月 発電事業者による事業撤退の表明

※再公募予定

秋田県南部沖 (グリーンバケーション基金 フェーズ2 浮体式洋上風力実証事業)

2023年10月 実施候補区域に選定
 2024年 2月 事業者の公募開始
 2024年 6月 実施海域・事業者の公表

1.5万kW超×2基
 セミサブ浮体

丸紅洋上風力開発(株)、東北電力(株)、秋田県南部沖浮体式洋上風力(株)、
 ジャパンリニューナビティ(株)、東亜建設工業(株)、東京製綱繊維ロブ(株)、
 関電プラント(株)、JFEエンジニアリング(株)、中日本航空(株)

事業期間：2024年7月～2031年3月

県で設定した
 候補海域

Initiatives by Akita City

In March 2024, we formulated a vision outlining the direction for promoting the use of new energy and fostering related industries

Akita City New Energy Vision



- Create a cluster for new energy-related industries
- Local production and local consumption of clean energy

What will we do to achieve that?

- ⇒ ① Expand renewable energy generation, including offshore wind power
- ⇒ ② Attract renewable energy-related companies and encourage local business participation
- ⇒ ③ Attract GX-related companies that require renewable energy

Government review of GX industrial localization and incentivizing related industries

- ▶ In the GX 2040 Vision formulated in February 2025, the government considered promoting the siting of power-intensive industries, such as data centers, in renewable energy supply areas.
- ▶ To concretize GX industrial siting based on the plan, the “GX Strategic Region” framework was established and a call for proposals from local governments and private business was launched, and our city, in collaboration with the prefectural government, submitted an application for designation as a GX Strategic Region.

Initiatives toward designation as a GX Strategic Region ②

Overview of the Call for Proposals for “GX Strategic Regions”

- ▶ A working group led by the Cabinet Secretariat, organized the following categories as types for attracting GX industries to regions with decarbonized power sources, and is soliciting regions wishing to implement them.

Support from local governments

① Industrial Complex Regeneration Model

Effectively utilize former industrial complex sites, etc. to form an industrial cluster

② Data Center Cluster Model

Form a cluster of data centers (DCs) and an industry cluster built around them, considering the efficiency of power and communications infrastructure development

③ Decarbonization Utilization Model

Develop an industrial park utilizing decarbonized power sources and form an industrial cluster centered on these power sources

Initiatives toward designation as a GX Strategic Region ③

Support for individual businesses

④ Decarbonized Power Source – Regionally Contributive Model

Promote capital investment by businesses that utilize decarbonized power and contribute to the local communities where these power sources are located

Various support programs for each type/category

② Data Center Cluster Model

- ▶ Proactive and planned grid development
- ▶ Support for submarine cable development

③ Decarbonization Utilization Model

- ▶ Support for improving the business environment for industrial park development, attracting companies, and developing related infrastructure

④ Decarbonized Power Source – Regionally Contributive Model

- ▶ Capital investment for businesses locating in GX industrial parks and other areas hosting utilized power sources

Northern Akita City Renewable Energy Industrial Park ①

- There are abundant renewable resources around the renewable energy industrial park, including wind power generation.



※ Large-scale Coastal Wind Farm



※ Akita Port Offshore Wind Power Plant



Northern Akita City Renewable Energy Industrial Park ②

①

There is an abundant supply of renewable power sources around this industrial park!

▶Off the coast of Akita Prefecture, offshore wind power projects are progressing actively, and the area is currently designated as a ‘preparation zone.’ Including the waters off Akita City, the expected output is approximately 2.5 million kW, equivalent to 2.5 nuclear power plants.

②

The infrastructure around this industrial park is well-developed!

▶Nearby lies the former Tohoku Electric Power Akita Thermal Power Plant site, decommissioned in 2024, with extra-high-voltage transmission lines and industrial water facilities in close proximity.

③

This industrial park is well suited for GX-related industries siting!

▶This industrial park aims to be 100% powered by renewable energy, and by collaborating with Akita Prefecture, it is a region well-suited for GX-related industrial locations, as pursued by the national government.

④

Generous administrative support is also provided!

▶In addition to existing incentives, companies locating in the industrial park are expected to benefit from preferential measures under GX transition bonds.

Northern Akita City Renewable Energy Industrial Park ③



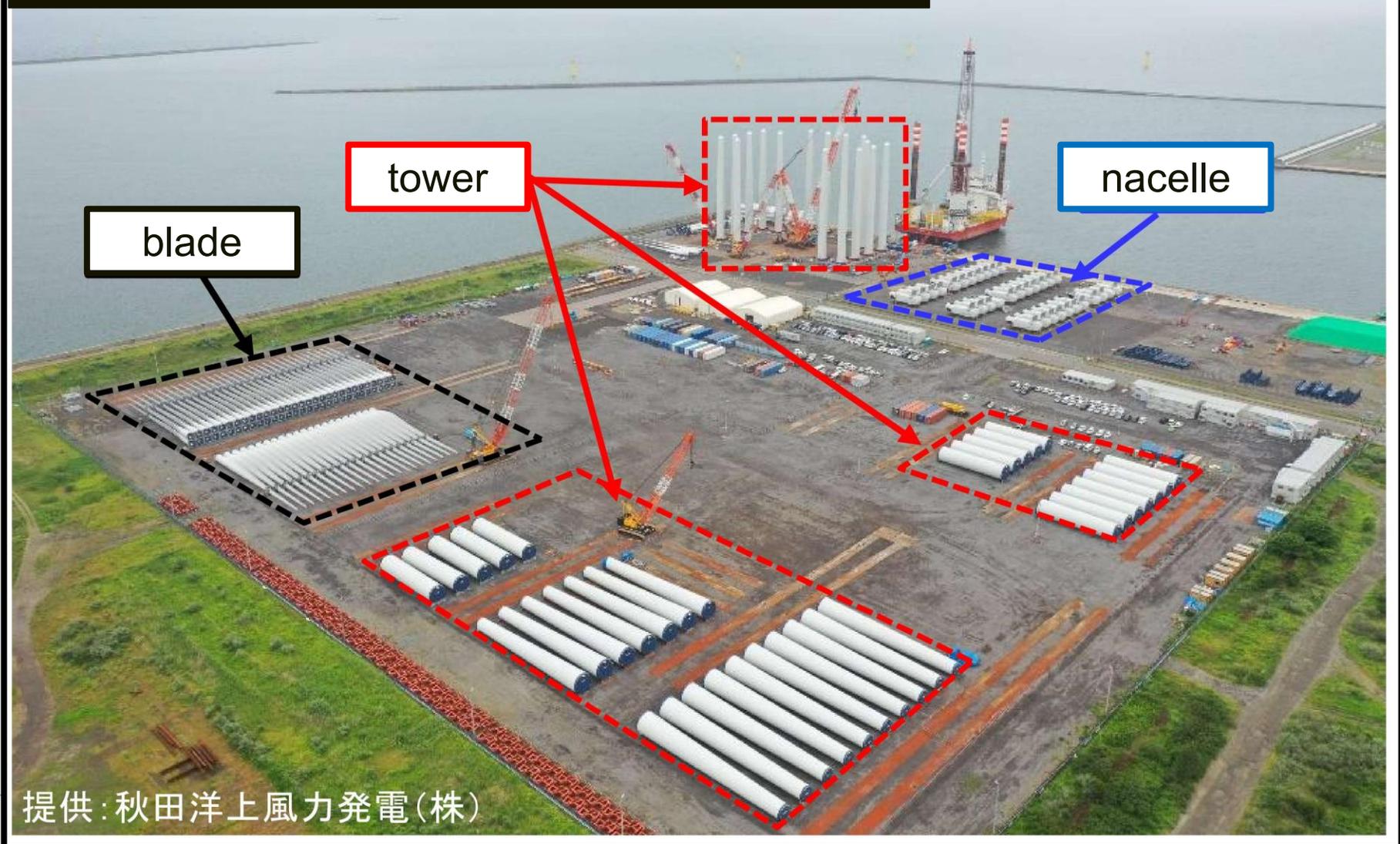
Overview of the Industrial Park

Proposed Schedule

- | | |
|----------|--|
| FY2026 | Basic design formulation
Land-use and topographical survey |
| FY2027 | Detailed design formulation
Development permit application
※ Start of lot-sale contracts |
| FY2028 ~ | Earthworks and infrastructure development |
| FY2030 | Planned start of lot-sales |

Promote the attraction of GX-Related industries that seek renewable energy in collaboration with the renewable energy industrial parks developed by Akita Prefecture

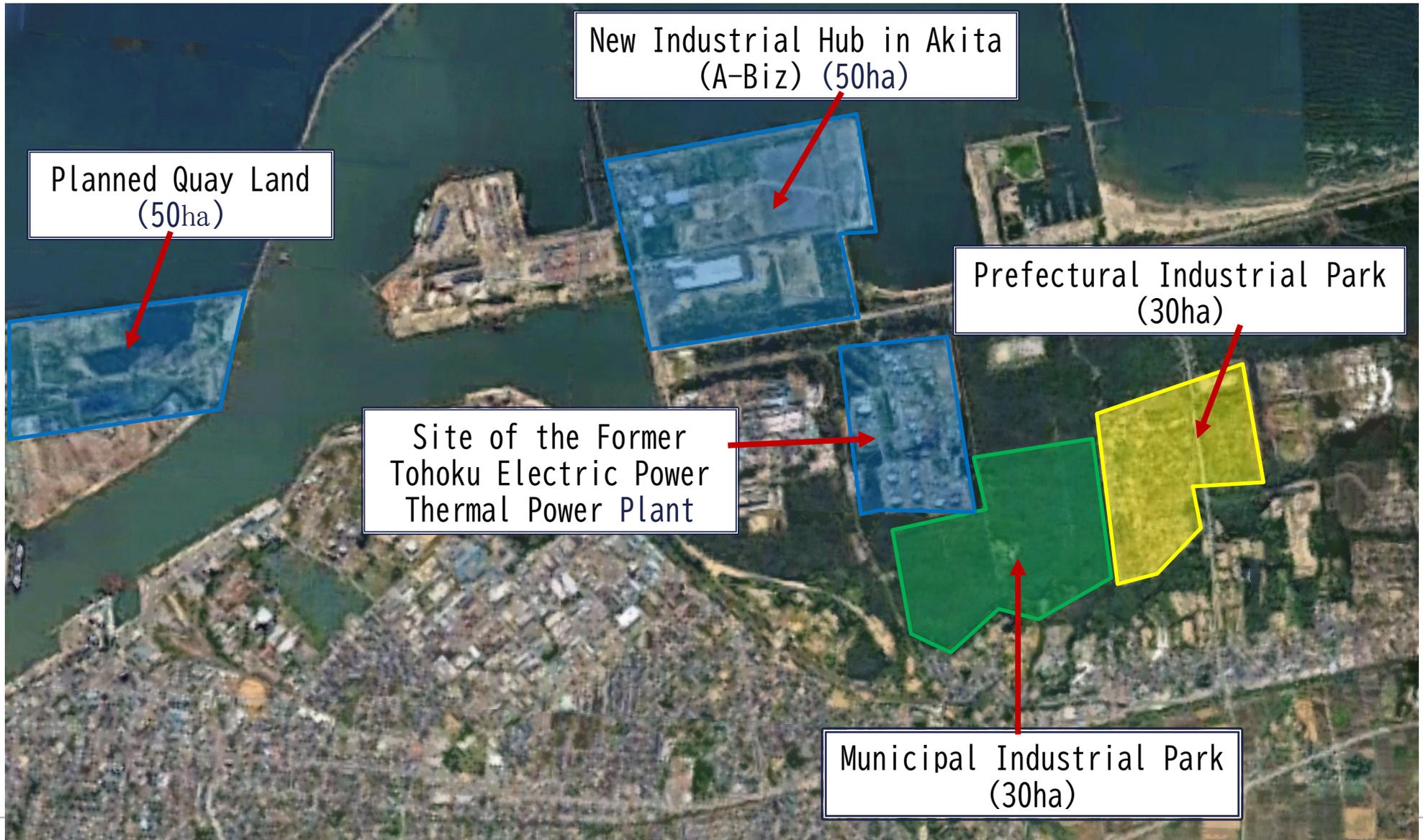
Base Port Operations at Akita Port



Northern Akita City Renewable Energy Industrial Park ⑤



Northern Akita City Renewable Energy Industrial Park ⑥



An aerial photograph of an offshore wind farm. In the foreground, a red and white service vessel is moving across the water, leaving a white wake. The vessel has 'CWA' and 'Red Sun II' written on its side. In the background, several large white wind turbines are visible on the horizon under a cloudy sky with a bright sun low on the horizon, creating a golden glow. The water is a deep blue-grey color.

**Akita City aims to become
“Japan’s most advanced
Renewable industrial city.”**

Thank you for your attention!

Industrial Development Promotion Division, Akita City

TEL: 018-888-5743

E-mail: ro-inne@city.akita.lg.jp