

A national project to build new industrial infrastructure in the Hamadori region of Fukushima

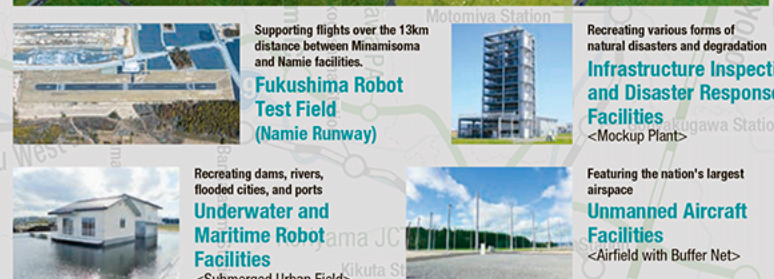
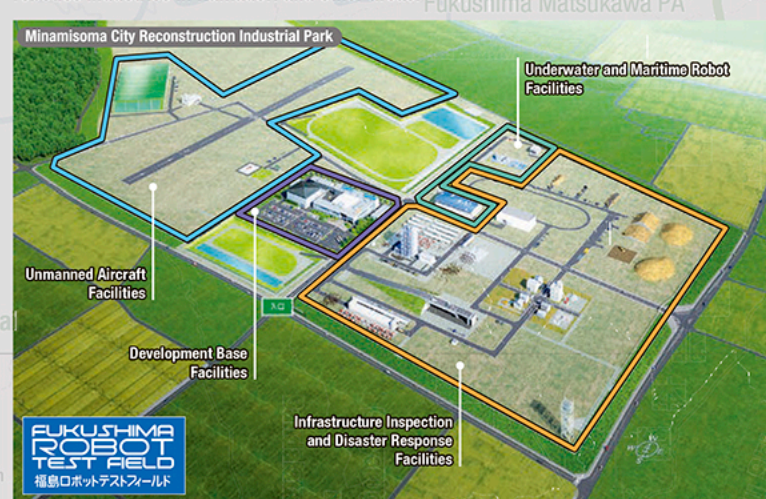
Fukushima Innovation Coast Framework Map

World-Class Scale Testing Facilities

Fukushima Robot Test Field

map C-2 C-3

Robot testing facilities on a world-class scale, comprised of 4 areas which recreate land, sea, and air environments. Located within the Minamisoma City Reconstruction Industrial Park, at 1,000m east-west and 500m north-south it is nearly 10 times the size of Tokyo Dome. It also features a runway for long-distance flight tests within the Tanashio Industrial Park in Namie Town. With the RTF at the core, the aim is to accumulate robotics industries in Hamadori and other areas.

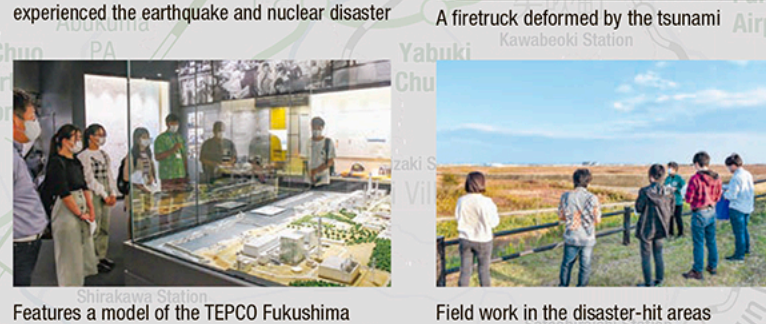


Passing On Records and Lessons Learned from the Compound Disaster

The Great East Japan Earthquake and Nuclear Disaster Memorial Museum

map C-3

This museum works to pass on the unprecedented experiences of the earthquake, tsunami, and nuclear disaster that hit Fukushima, along with the lessons learned from it, to future generations in Japan and around the world. The museum collects and keeps records of the disaster, features exhibits and storytelling programs, and carries out field work and training in the disaster-hit areas on the coasts of Futaba Town and Namie Town. It is also home to research on disaster prevention and reconstruction.



Promoting relocation & settlement in the 12 municipalities

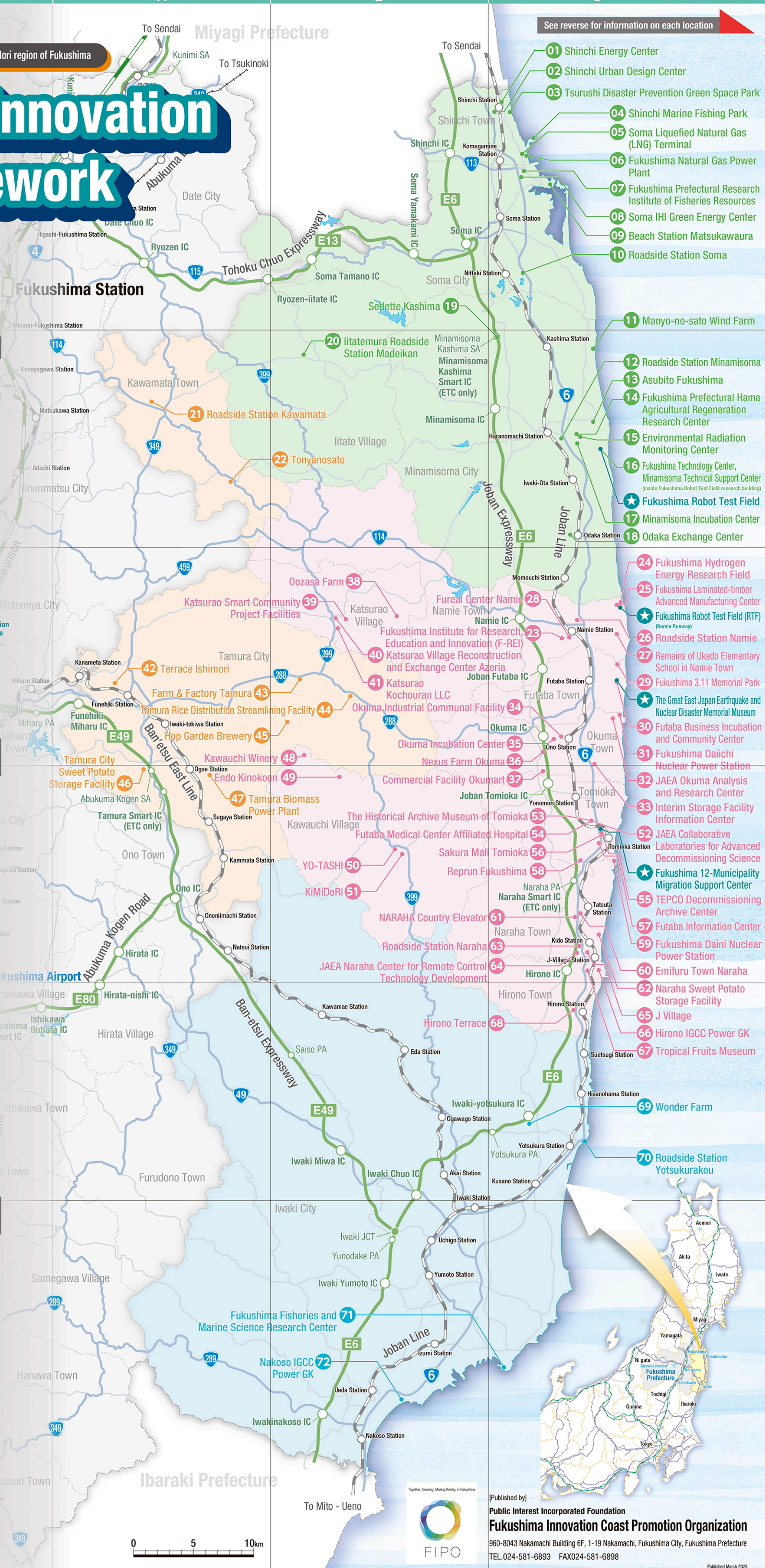
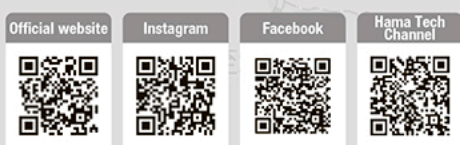
Fukushima 12-Municipality Migration Support Center

map C-4

Founded by Fukushima Prefecture on July 1st, 2021 in order to promote relocation and settlement in the 12 municipalities which were given evacuation orders as a result of the accident at the Fukushima Daiichi Nuclear Power Plant. The center is engaged in a range of activities to support wide-area collaboration and relocation measures for these 12 municipalities.



For more information on the Fukushima Innovation Coast Framework:
<https://www.fipo.or.jp>



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- 03 Tsurushi Disaster Prevention Green Space Park
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The Fukushima Innovation Coast Framework

Fukushima Innovation Coast Framework is a national project that aims to build a new industrial infrastructure for the coastal region of Fukushima Prefecture to recover the industries lost due to the earthquake and tsunami on March 11, 2011 and nuclear disaster.

In addition to promoting the materialization of projects in the fields of decommissioning, robotics and drones, energy, environment, recycling, agriculture, forestry and fisheries, medical care, and aerospace, we have also been working on the development of a wide range of infrastructure to realize these projects, including the creation of industrial clusters, human resource development, increasing the number of visitors, and spreading information.

Shinchi Town

01 Shinchi Energy Center

map C-1

Provides heat and power to the area around Shinchi Station. The natural gas from Soma LNG Terminal is part of a co-generation system and is paired with solar power energy to provide heat and electricity with a low impact on the environment.



03 Tsurushi Disaster Prevention Green Space Park

map C-1

A park for all ages featuring facilities themed around reducing disasters, encouraging interaction, and keeping records of the 2011 disaster, located on the seaside area of Shinchi Town. It is home to unique playground equipment, one of Japan's largest pumptrack, and has space for cookouts and camping.



05 Soma Liquefied Natural Gas (LNG) Terminal

map C-1

A LNG facility with 2 above-ground 230 thousand kL LNG tanks (one of the largest in Japan). Features a specialized receiving jetty for ocean-going LNG carriers. The terminal receives and stores LNG from overseas, vaporizes it, and sends out the vaporized LNG to gas supply pipelines.



07 Fukushima Prefectural Research Institute of Fisheries Resources

map C-1

These facilities produce and supply aquatic seedlings and conduct research into coastal fish resources in an effort to rebuild Fukushima's coastal fishing industry. Efforts to promote raising flounder and abalone are being taken and test research is underway in improving resource management for righteye flounders.



09 Beach Station Matsukawaura

map C-1

This public market is a successor to the seafood market at this location that was lost to the tsunami. It offers marine products from the coast of Soma and other local produce and features a restaurant which offers food made from local products.



02 Shinchi Urban Design Center

map C-1

The University of Tokyo Graduate School of Frontier Sciences, the National Institute for Environmental Studies, and the town of Shinchi jointly operate this location. Bringing together know-how from the private sector, public sector and academia, they work to promote reconstruction which creates a future for the area.



04 Shinchi Marine Fishing Park

map C-1

A municipal fishing location home to a variety of different fish drawn to the water from the Soma Kyodo Power Company power plant's thermal discharge that flows under the fishing deck.



06 Fukushima Natural Gas Power Plant

map C-1

This facility turns vaporized LNG into electricity with a world-class rate of power plant gross thermal efficiency. It features two units which utilize a gas turbine combined cycle (GTCC), combining turbine generators and pressure generators to produce 590 thousand kW of electricity.



08 Soma IHI Green Energy Center

map C-1

Built jointly by the city of Soma and IHI, this facility conducts tests for a hydrogen-centered society and is equipped with solar power, storage batteries, instruments to produce hydrogen via electrolysis, and fuel cells. It is also home to Soma Labo, an open innovation facility which provides information to research institutions and companies working with cutting-edge technologies.



10 Roadside Station Soma

map C-1

A Roadside Station equipped with a shop floor and a hands-on training hall. Offers a range of locally grown and made products. The soft-serve ice cream made with milk and yogurt from the farm run by Michitane Soma, the 34th head of the Soma Clan, is a popular choice.



Soma City

11 Manyo-no-sato Wind Farm

map C-2

A wind power farm constructed by Minamisoma Sustainability (a joint investment of HSE and 4 local companies in Minamisoma City). Its 4 turbines produce 9.4MW of power.



12 Roadside Station Minamisoma

map C-2

A Roadside Station built on the site of the Haramachi radio tower which first reported the 1923 Kanto Great Earthquake to the world. Features a restaurant, shop, and rest area, and is located next to Takami park, which offers great fun for families throughout the year.



13 Asubito Fukushima

map C-2

Conducts programs and events for all generations, including company training and hands-on renewable energy lessons for elementary and junior high students.



14 Fukushima Prefectural Hama Agricultural Regeneration Research Center

map C-2

These facilities conduct empirical studies and offer technical support to aid in the revitalization of agriculture and a return to farming in the 12 municipalities which were evacuated due to the nuclear disaster. A wide range of research is conducted here including investigations into the dynamics of radioactive materials, methods to improve farmland soil fertility after decontamination, countermeasures against wildlife damage, and test cultivation of crops.



15 Fukushima Prefectural Centre for Environmental Creation (CEC) Environmental Radiation Monitoring Center

map C-2

Built to monitor the area around the nuclear power plant and implement safety measures. Adjacent to the Hama Agricultural Regeneration Research Center and Minamisoma Office Center.



16 Fukushima Technology Center, Minamisoma Technical Support Center

map C-2

Located within the research building at the Fukushima Robot Test Field. Offers support for manufacturing companies to improve their technological capabilities and enter new industries and fields.



17 Minamisoma Incubation Center

map C-2

Offers both physical and intangible support with its rental offices and factories combined with support for tenants and efforts to bring tenants and local businesses together. The Center works to promote the creation of infrastructure necessary for industrial development in Minamisoma City, provide environmental support to make it easier for companies working on new businesses to get started, and develop the city's industry.



18 Odaka Exchange Center

map C-2

A central reconstruction point facility in Odaka Ward. Home to local businesses, free-use areas for indoor fun, and events for families.



20 Iitate-mura Roadside Station Madeikan

map B-2

A central reconstruction point facility in Iitate Village. The wooden construction offers the facility a warm, welcoming aura to a location which offers local produce, restaurants, and a place to rest. Built along with it are flower cultivating facilities which work to help restore agriculture, once the primary industry in the village, as well as a place for children to play ("Fukaya Kazenoko Hiroba"), a dog run ("Wanko-no-niwa Nobinobi"), and more.



21 Roadside Station Kawamata

map A-2

A Roadside Station which offers a variety of local goods including Kawamata silk products, Kawamata Shamo chicken, and more. The restaurant also serves dishes made with Kawamata Shamo.



22 Tonyanosato

map A-2

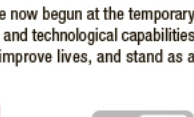
A commercial center for the reconstruction of the Yamakita region. Home to stores for necessities, restaurants, a desk for local government services, and a multi-purpose hall.



23 Fukushima Institute for Research, Education and Innovation (F-REI)

map C-3

Founded by the national government in April 2023, operations have now begun at the temporary office in Namie Town. F-REI works to strengthen Japan's scientific and technological capabilities, and industrial competitiveness, contribute to economic growth, improve lives, and stand as a world-leading center for creative reconstruction efforts.



25 Fukushima Laminated-timber Advanced Manufacturing Center (FLAM)

map C-3

Produces high-grade laminated cross-laminated lumber and other timber in an effort to rebuild the forestry industry and grow demand for lumber from Fukushima Prefecture.



27 Remains of Ukedo Elementary School in Namie Town

map C-3

The remains of Ukedo Elementary School, devastated by the 2011 Tohoku earthquake and tsunami and subsequent nuclear disaster, are now open to the public. The location is meant to pass on the dangers of such disasters, and the lessons learned from them, to future generations.



28 Fureai Center Namie

map C-3

A facility which strives to enliven the region and promote good health for residents of all age groups in the hopes of becoming a base for building a town of happy and healthy people.



30 Futaba Business Incubation and Community Center

map C-3

A central facility of the Nakano area base which will lead the reconstruction of Futaba Town. Located beside the Great East Japan Earthquake and Nuclear Disaster Memorial Museum and Fukushima 3.11 Memorial Park. Home to restaurants and shops, it presents much of what the town has to offer. A shuttle bus runs between the center and Futaba Station.



32 JAEA Okuma Analysis and Research Center

map C-3

Rubble, ash, and secondary waste from water treatment after the nuclear disaster are analyzed here. Constructed on September 25th, 2022, it began full operation soon after on October 1st.



34 Okuma Industrial Communal Facility

map C-3

Construction is underway on an industrial communal facility on the western side of JR Ono Station (expected completion in December 2024). It will feature office space for businesses looking to set up base in Okuma Town, and also double as a multi-purpose space for the public. The area is also expected to offer shopping facilities, parks, and social educational facilities.



36 Nexus Farm Okuma

map C-3

A company 100% funded by capital in Okuma Town that carries out nutrification of strawberries. It works to create a process that lowers worker burden and improves productivity in an effort to create agricultural work anyone can do. It also strives to ship safe and healthy strawberries by carrying out total radioactive substance inspections.



33 Interim Storage Facility Information Center

map C-3

Releases information on safety efforts and progress on the construction of intermediary storage facilities to house contaminated waste soil until it can be appropriately processed.



35 Okuma Incubation Center

map C-3

Works to support and foster businesses, researchers, and developers who will one day move on from Okuma Town to the wider world. In addition to rental offices and shared office space, it is also equipped with community spaces and meeting rooms available to the public.



37 Commercial Facility Okumart

map C-4

The reconstruction center in Ogawara has become a social space for locals and is home to the commercial facility Okumart, communal center Linkru Okuma, and lodging facility Hotto Okuma.



Iitate Village

Kawamata Town

Namie Town

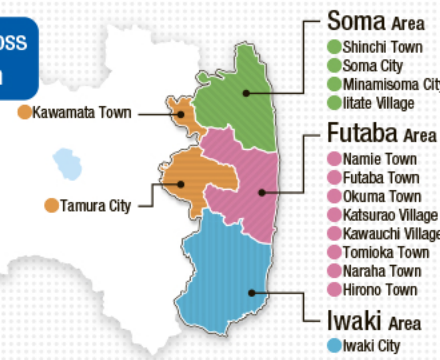
Futaba Town

Okuma Town

Spanning 15 municipalities across the Hamadori region

Fukushima Innovation Coast Framework Bases & Reconstruction Facilities

15 municipalities across the Hamadori region



Katsurao Village

38 Oozasa Farm

map B-3

A poultry farm with a total of 6 wings that produces 530,000 broilers a year. The rearing process requires minimal human labor, as food, water, and temperature inside are all automatically controlled via a computer management system.



39 Katsurao Smart Community Project Facilities

map B-3

In an effort to produce and consume renewable energy locally and improve disaster prevention capacity, Katsurao Electric Power utilizes its approx. 1,200kW solar power equipment and large-scale 3,000kWh storage batteries to provide electricity to homes and commercial locations via the microgrid (private lines) built in the center of the town, as well as in the town's demand-responsive transit system. Visits are available to those who apply.



40 Katsurao Village Reconstruction and Exchange Center Azeria

map B-3

Built to be a symbol of reconstruction in Katsurao Village, this facility supports local social events and acts as a space anyone can drop by to take a break or find out information about the town. It also features a small shop.



41 Katsurao Kochouran LLC

map B-3

In order to create jobs and revitalize the area, companies and farmers in the town have volunteered to raise orchids. These flowers are shipped to markets in Tohoku and the Greater Tokyo area.



Tamura City

42 Terrace Ishimori

map A-3

A remote work center built inside a closed school building. Through its use as a satellite office space, co-working area, and place for people and companies in the region to interact, it aims to create new business, work, and vocational opportunities, improve working conditions, and become a center of learning, social interaction, and information exchange.



44 Tamura Rice Distribution Streamlining Facility

map B-3

A facility developed by the city of Tamura and run by JA Fukushima Sakura to promote the return to rice farming in the areas where evacuation orders have been lifted. Capable of storing a maximum of 20,000 bales (1,200t) of brown rice in flexible containers or bags.



43 Farm & Factory Tamura

map B-3

Produces lettuce in a massive closed-off plant factory equipped with cutting-edge technology. This facility is home to the world's first automatic transport system and is equipped for automation and solar power. It also features processing facilities to produce salad cups.



45 Hop Garden Brewery

map B-3

A craft beer brewery which produces its own hops. It works towards "sixth industrialization" by producing, processing, and selling its own products, while also focusing on "zero industrialization" by re-using and recycling waste alcohol and malt remains in an effort to create a sustainable circular community.



47 Tamura Biomass Power Plant

map A-4

A 7.1MW output timber biomass generator which uses lumber from the prefecture (from forest thinning, etc.). Operated by Tamura Biomass Energy, it seeks to locally produce and consume its energy output in an effort to contribute to the restoration of the forestry industry in the prefecture.



Kawauchi Village

48 Kawauchi Winery

map B-3

With its fantastic vines and nearly 12,000 grape vines, this winery and vineyard has become a new symbol of Kawauchi Village. Its delicious wine now helps spread the appeal of the village far and wide.



49 Endo Kinokoen

map B-4

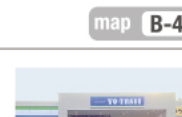
Produces 200 thousand fungal beds a year. The housing used to maintain the fungal beds features automated misting and temperature and humidity can be finely adjusted to produce the thick flesh and stems of their original "Hitamuki Shitate" brand mushrooms.



50 YO-TASHI

map B-4

A commercial complex in Kawauchi Village. Home to convenience stores, cleaning services, and household goods shops, it serves as a social space for local residents.



51 KiMiDoRi

map B-4

Produces leaf lettuce using LED and fluorescent lighting along with CO₂ gas to promote photosynthesis and culture solutions to provide nutrients.



Tomioka Town

52 JAEA Collaborative Laboratories for Advanced Decommissioning Science

map C-4

Works to build a promotional system for integrated R&D and human resource development among industry, academia, and government and create a network which brings people from domestic and international universities, research institutions, and industries together to promote the decommissioning of nuclear power plants.



54 Futaba Medical Center Affiliated Hospital

map C-4

With cooperation from Fukushima Medical University, this hospital supports the emergency care, in-house visits, and general good health support the area requires. It offers medical support to put the minds of local residents and staff involved in reconstruction efforts at ease.



56 Sakura Mall Tomioka

map C-4

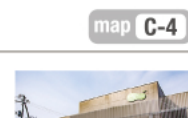
A publicly constructed, privately managed commercial complex. Features a hardware store, supermarket, drug store, and restaurants. The "Tomioka Wapaku Park" exchange hall is also located on facility grounds.



58 Reprun Fukushima

map C-4

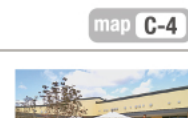
A center for information on the specified waste landfill project under the Ministry of the Environment's jurisdiction. Offers a hands-on way to learn about the disposal process of contaminated radioactive waste.



60 Emifuru Town Naraha

map C-4

A reconstruction center in Naraha Town which features a hall, commercial facilities, public housing for those displaced, and a clinic. Using renewable energy from Naraha Town, it is also a demonstration base of efforts to create disaster resistant, sustainable, low-carbon towns.



62 Naraha Sweet Potato Storage Facility

map C-4

A facility equipped by the town of Naraha and operated by Fukushima Shirohato Farm. With a curing room to preserve sweet potatoes and room to store up to 1,260t of them, it is one of the largest facilities of its kind in Japan.



64 JAEA Naraha Center for Remote Control Technology Development

map C-4

Conducts development and testing for remote operation devices (robots, etc.) required for decommissioning the Fukushima Daiichi Nuclear Power Station. Its facilities can also be used for development demonstration tests of general-use robots and devices, human resource development for related technologies, as well as for lectures and conferences.



66 Hirono IGCC Power GK

map C-4

Japan's first Integrated Coal Gasification Combined Cycle (IGCC / 543MW) commercial facility. Coal is turned into gas, and gas/steam turbines work alongside it to produce additional electricity, achieving higher efficiency and enabling a 15% reduction in CO₂ output over conventional coal burning.

