

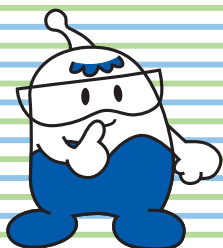


Look, learn and enjoy!

GENKAI ENERGY PARK



Floor Guide



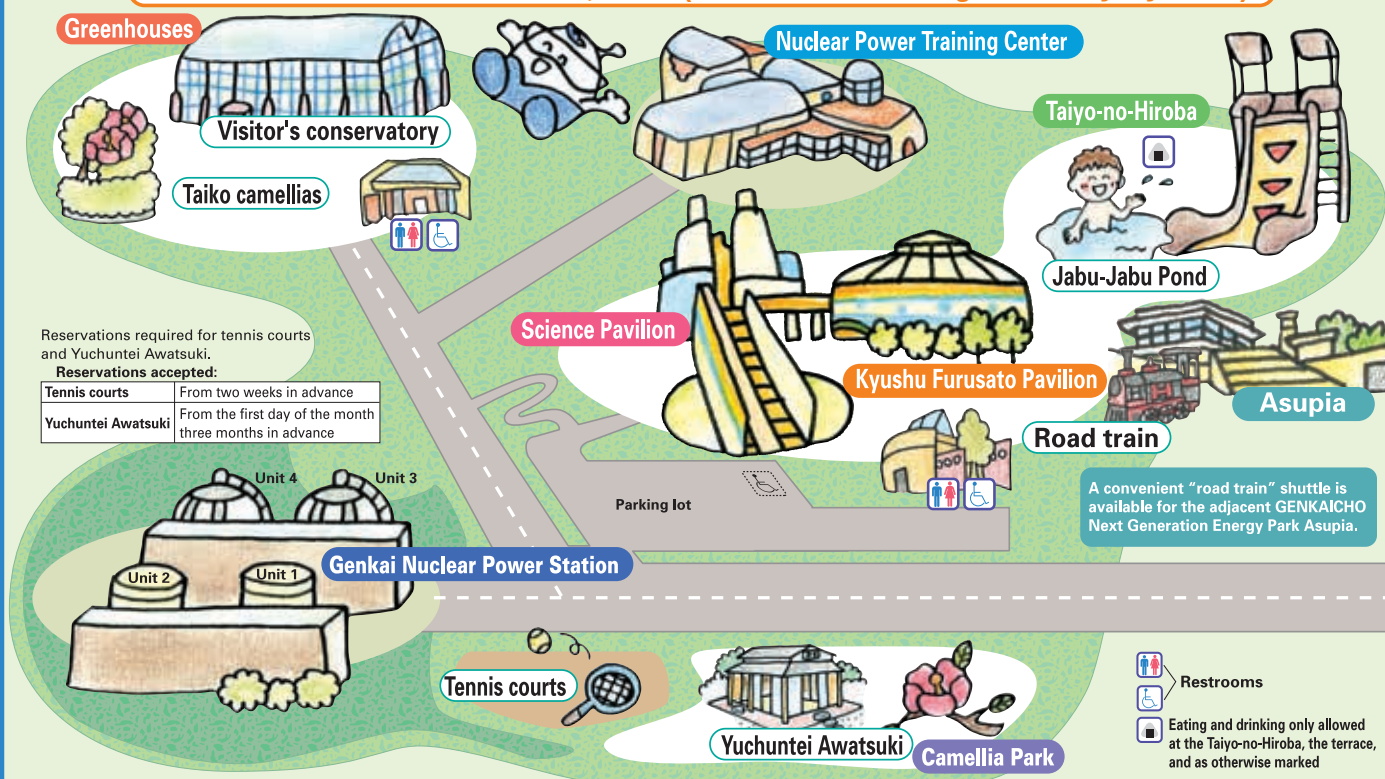
Look, learn, and have fun!

A theme park overflowing with all the energy of Kyushu!

The Genkai Nuclear Power Station is surrounded by beautiful sea and rich natural scenery. The Genkai Energy Park located here contains the Genkai PR Center, an exhibition facility consisting of the Science Pavilion for scientific energy, and the Kyushu Furusato Pavilion with all the energy of Kyushu's people. Outdoor facilities allow one to get in touch with sun, wind, and water throughout the seasons, while sports facilities also await visitors. It is a theme park about energy, whether it comes from people, nature, or atomic power.

Welcome to the Genkai Energy Park

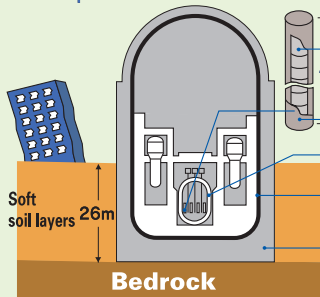
Power station site area: about 870,000m² (or about 13 times larger than PayPay Dome)



Committed to safe, stable operation!

Genkai Nuclear Power Station

Constructed directly on bedrock for maximum earthquake resistance!



	Unit 1	Unit 2	Unit 3	Unit 4
Operation start	Oct. 1975	March 1981	March 1994	July 1997
Electricity output	559 MW	559 MW	1,180 MW	1,180 MW
Operation ends	Apr. 2015	Apr. 2019	—	—

Five barriers prevent the radioactive material from escaping!

- 1st barrier: Pellets (fuel)
- 2nd barrier: Fuel cladding tubes
- 3rd barrier: Reactor vessel
- 4th barrier: Reactor containment vessel (steel plate-lined)
- 5th barrier: Reactor containment vessel (concrete walls)

Nuclear Power Training Center

Nuclear power plant personnel undergo period training here.



Operation training

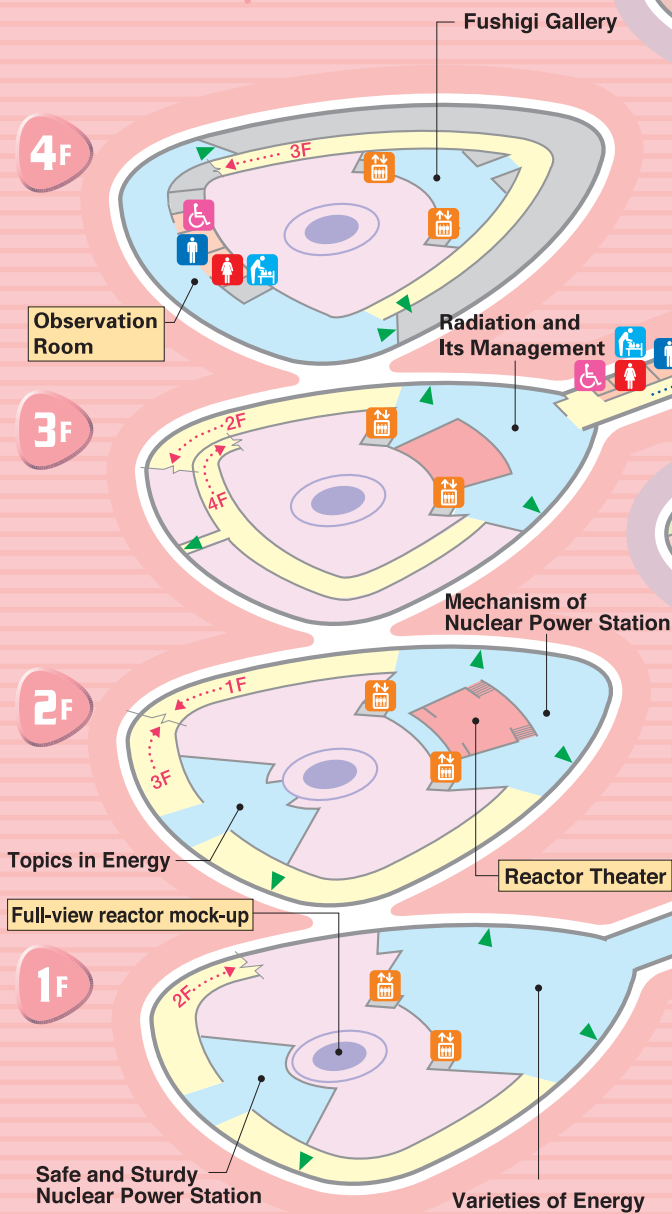
Maintenance and repair training

Science Pavilion



Tour time:
About 1 hour

Science Pavilion



- Elevator
- Men's Room
- Ladies' Room
- Diaper changing
- Multi-purpose toilet
- Emergency Exit
- Automatic external defibrillator (AED)

Attention: ○Please refrain from eating, drinking or smoking except in designated areas. ◎Small children must be accompanied by adults.

Kyushu Furusato Pavilion



Kyushu Furusato Pavilion

Energy Park Guided Tours

- 10:15 ●10:45 ●11:15 ●11:45
- 13:15 ●13:45 ●14:15 ●14:45

(Tour takes about 30 min. Starting times subject to change.)



Science Pavilion 1F

Adventure into the world of energy

① Kyushu & Energy

Here we can see geothermal energy, nature's generation in Kyushu, as well as the heat & light from the sun and nuclear power.



An audio-visual perspective of "Kyushu & Energy"

③ Full-view reactor mock-up



Full-view reactor mock-up rising high in the center of the pavilion

Science Pavilion 2F

That's what nuclear power generation is



⑤ Mechanism of Nuclear Power Generation

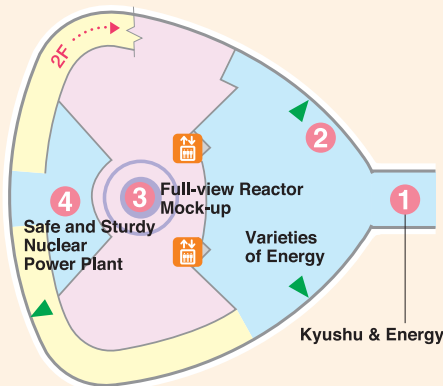
Panels, a theater video and fun games introduce how power is generated and safety ensured.



"Reactor Theater"
Mechanism of nuclear power generation is presented with images by computer graphics, lighting and sound for easy understanding.



"Nuclear Power Game"
Take the quiz, and win the game with correct answers!



② Varieties of Energy

Explains the various methods of generating electricity, why nuclear power is a needed solution to the energy and environmental problems, and efforts to reduce CO2 emissions.



The "Varieties of Energy" panel teaches about power generation through videos and fun games.

④ Safe and Sturdy Nuclear Power Plant

Explains how a nuclear power station is made safe and sturdy and protected from earthquakes.



Reactor containment, a sturdy concrete construction

⑥ Topics in Energy

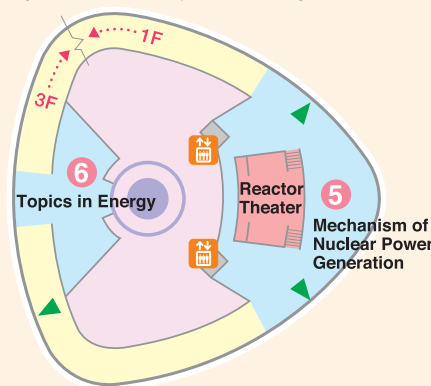
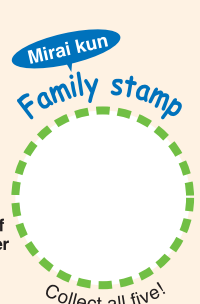
Introduced here are atomic fuel recycling to repeatedly reprocess and reuse uranium for nuclear power generation.



Full-size mock-up of nuclear fuel assembly



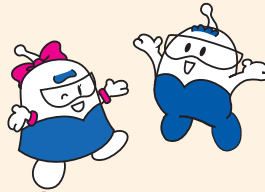
A model of the atomic fuel cycle displays uranium ore and pellets. The monitor screen inside the circle shows a simple introduction to the atomic fuel cycle and the necessity of plutonium use in thermal reactors.





Science Pavilion 3F

What is radiation?



⑧ Radiation and Its Management

Learn about radiation and radioactive substances and see how radiation exists in your everyday life. Varieties of radiation and their use are introduced, as well as radiation control in the nuclear power station.



The amount of radiation around the Genkai Nuclear Power Station is constantly monitored, and is shown on the pictured panel in real-time.

Science Pavilion 4F

Imaginary world and a view of the beautiful Genkai Sea

⑨ Fushigi Gallery

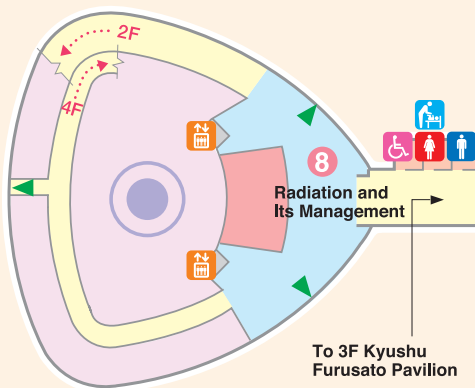
Use the latest digital technology to join in an adventure game, or take a fun quiz with seemingly 3D imagery!



Explore Energy Park with Mirai-kun. Mirai-kun Genkai Running Tour

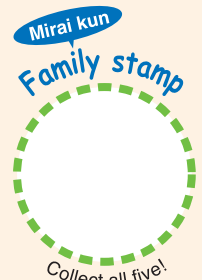
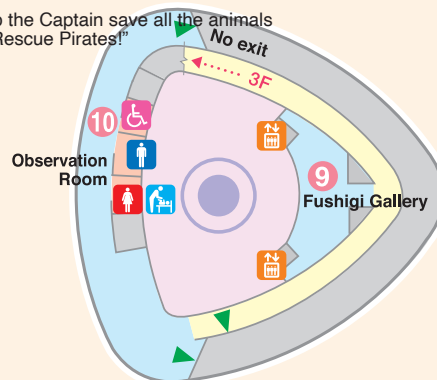


Take the Mirai-kun Pop-up Quiz and learn about the natural environment.



To 3F Kyushu Furusato Pavilion

Help the Captain save all the animals in "Rescue Pirates!"



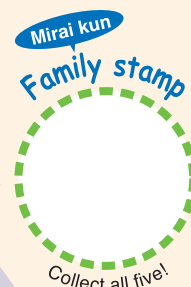
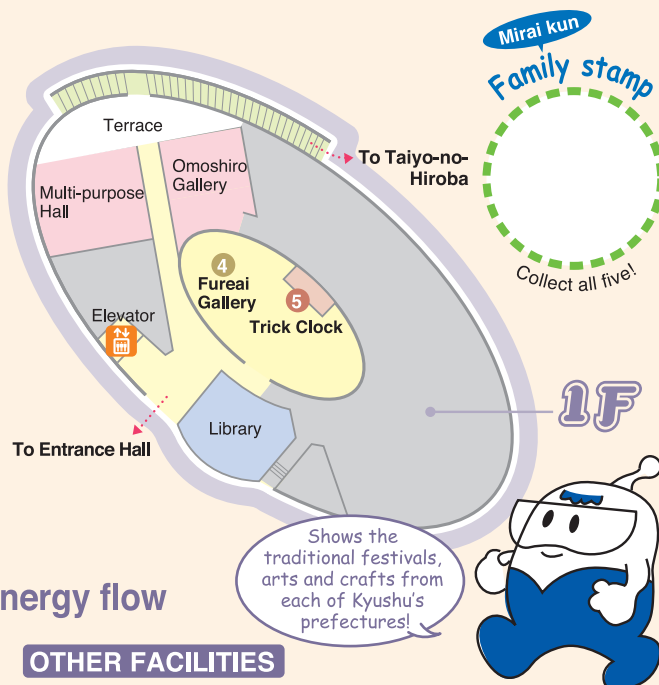
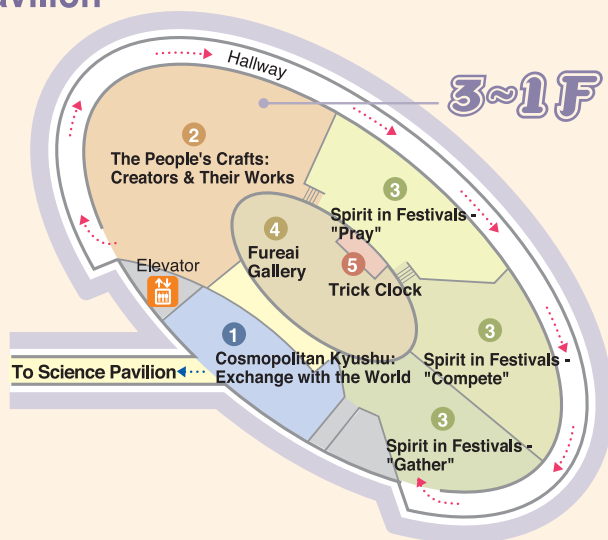
⑩ Observation Room

This is located on the top floor of Science Pavilion, allowing a sweeping view of the beautiful Genkai Sea, the islands of Genkai Quasi-National Park and the Genkai Nuclear Power Station from 47 meters above sea level.



Explains underground disposal of high level radioactive waste.

Kyushu Furusato Pavilion



The people of Kyushu and their powerful energy flow

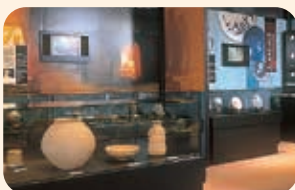
① Cosmopolitan Kyushu: Exchange with the World

Kyushu has served as a focal point of cultural exchanges between Japan and other countries since ancient times.



② The People's Crafts: Creators & Their Works

Traditional craft products representing each prefecture in Kyushu are all gathered here.



③ Spirit in Festivals

The folk entertainment in Kyushu is divided into three categories of "Pray", "Compete" and "Gather".



④ Fureai Gallery

Provides information on tourist spots and events of Genkai-cho and other areas in Saga Prefecture.



⑤ Trick Clock

Every 30 minutes, this trick clock made with Aritaware beauty delights onlookers.



OTHER FACILITIES

- ◎ **The Visitor's Conservatory**, which is home to about 200 different species of plants, offers a chance to enjoy a pleasant space throughout the four seasons.
- ◎ **Tsubaki (Camellia) Park** has an area of 20,000 m², and delights visitors with a wide variety of Tsubaki, about 800 plants of 100 kinds from around Japan.
- ◎ **Yuchuntei Awatsuki** is suitable for various events such as tea ceremonies and haiku meetings (free of charge, reservations required).
- ◎ At the **Taiyo-no-Hiroba**, may be found the "Jabu-Jabu Pond" and many field athletics facilities.



《Taiyo-no-Hiroba》



Fun playground equipment

《Tsubaki Park》



《Yuchuntei Awatsuki》

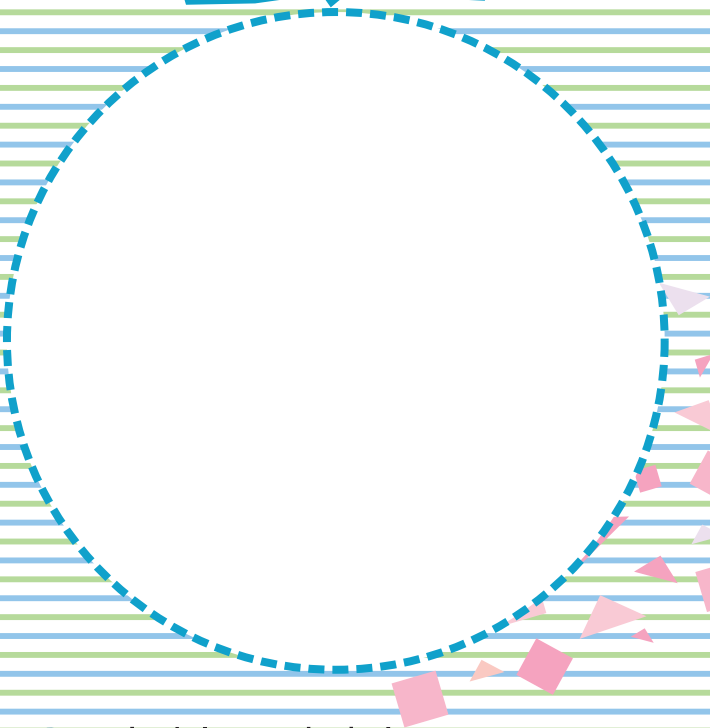


《Visitor's Conservatory》





Commemorative Stamp



Look, learn and enjoy!

GENKAI ENERGY PARK

● Hours : 9:00 a.m. to 5:00 p.m.

● Closed : Third Monday of every month (following day if holiday)
Winter holiday (Dec.29-Jan.3)

● Inquiries/Phone : 0955-52-6409

Fax : 0955-52-3796

● URL <http://www.kyuden.co.jp>

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