



SHIGA PLANT

Fine & Amenity | For the development of environmental comfort

About Shiga Plant

Shiga Plant manufactures room air conditioners and air purifiers with a priority on customer satisfaction, product usability and increased environmental comfort. With its product development system promoting energy savings and environmental comfort while combining digital technologies and proficient techniques, Shiga Plant delivers safety and high-quality in all Daikin products. What's more, as a global mother plant, we also advance the development of products for overseas markets and the expansion of production equipment implemented by Shiga Plant to overseas bases.

Completion : November 6, 1970
Site Area : Approx. 255,838m²



History of Shiga Plant

1970 – Shiga Plant established.

1978 – Production of Daikin System (PDS) introduced.

1980 – Factory No.2 begins operation.

1987 – Total Productive Maintenance (TPM) activities initiated.

1989 – Cumulative production reaches 5 million units.

1993 – Factory No.3 begins operation.

1994 – ISO9001 quality management system certification obtained.

1996 – ISO14001 environment management system certification obtained.

1998 – Production reaches 10 million units.

1999 – High-cycle production system initiated.

2006 – Cumulative production reaches 20 million units.

2016 – Cumulative production reaches 30 million units.

2020 – ISO45001 occupational health and safety management system certification obtained.
(2012 OHSAS18001 certification obtained.)
Shiga Plant celebrates its 50th anniversary.



Production and Development

Air Conditioning Products

With consideration for the global environment, Shiga Plant develops and manufactures an impressive array of HVAC products customized to the needs and unique characteristics of each region to create healthy comfort and durable quality in indoor environments.



Daikin's Aims for Value Creation

To achieve the realization of SDGs through our business, the Daikin Group has identified three priority themes: "The Earth," "Cities," and "People." With our leading global technologies, we consistently provide new value that enables healthy and comfortable lifestyles while reducing environmental impact.



Shiga Plant Works Value Creation

Creating Value for the Earth

- Carbon neutrality initiatives
- Coexistence with nature in Shiga
- Daikin's unique production system

Creating Value for People

- Integrated production from design to supply
- Product development matching trends

Foundation Supporting Value Creation

- Working with the local community
- Health and safety initiatives

Shiga Plant Works Value Creation

Creating Value for the Earth



Carbon neutrality initiatives

Development of environmentally-friendly factories

The factories at Shiga Plant strive for significant reductions of CO₂ emissions through the implementation of an integrated air conditioning system and LED lighting using the Daikin Builmulti Intelligent Partner System (D-BIPS) along with ongoing improvements in air conditioning systems.

We have implemented our KARAKURI KAIZEN system in production lines to reduce environmental load and lower air pressure used by equipment and devices, leading to product development capable of reducing processes, aiming to lower energy consumption from a broad range of important perspectives. With the goal of achieving carbon neutrality, we are actively pursuing net-zero CO₂ emissions at factories by 2030.

To further enhance our contributions to the environment, we strive for zero industrial waste by promoting the separation of waste generated at each factory and implementing a circular economy system for aluminum used in heat exchangers.

Our employee education includes water quality accident and emergency response training for all departments to reinforce knowledge regarding initial measures taken in response to oil and cleaning agent spills. Such programs ensure increased awareness of the environment and day-to-day production activities that consider the future of the Earth.



Visualizing energy circulation at the plant to promote energy-saving activities



KARAKURI designed by employees
Supplying components to production lines while achieving energy savings through the use of thrust



Water quality accidents and emergency response training

Coexistence with nature in Shiga

Biodiversity conservation initiatives

The Daikin Group promotes forestation at each plant.

Daikin Shiga Forest, a biotope established at the Shiga Plant, promotes forestation aiming to reproduce the nature of the region.



Daikin Shiga Forest



Genji fireflies photographed at Daikin Shiga Forest



Forest Conservation Effort:
Installing Light-Blocking
Curtains to Protect Fireflies

Awards received for Daikin Shiga Forest activities

May 2010 — Received the Grand Prize in the Corporate Section at the 3rd Kusatsu City Mitigation of Global Warming Awards

June 2016 — Received the Special CSR Prize at the 8th Biotope Awards from the Japan Biotope Association (NPO)

May 2017 — Received the Excellence Prize in the Large Corporate Section at the 3rd Environment Manpower Creation Awards from the Ministry of the Environment

February 2018 — Received Grand Prize in the Corporate and Organization Section at the Kusatsu City Eco-Style Contest

March 2022 — Received three-star Shiga Biodiversity Certification from the Shiga Prefectural Government

November 2024 — Acquired 2024 OECM site certification from the Ministry of the Environment



Exterminating activities for foreign species, cat's ear (false dandelion)



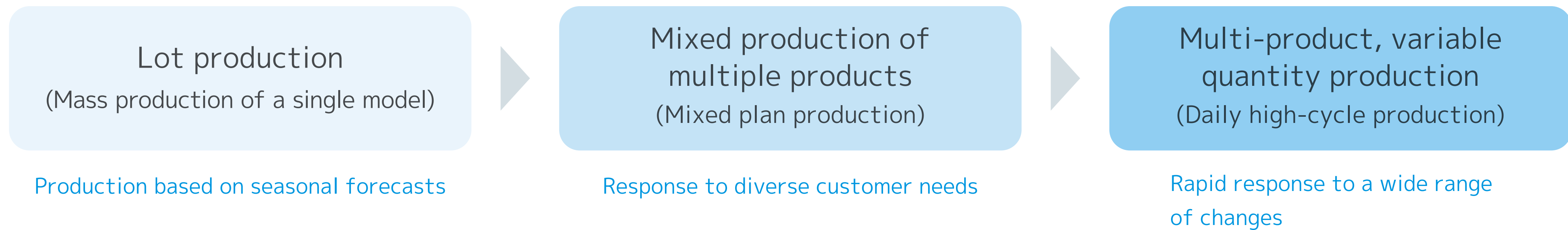
Shiga Prefecture
Biodiversity Initiative
Certification Logo



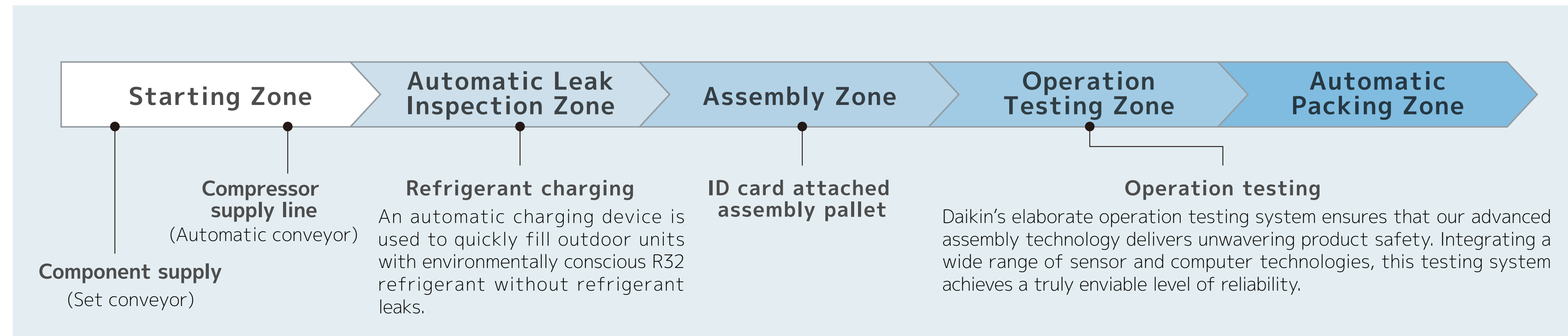
30by30 Alliance
OECM Site Certification Logo

Daikin's Unique Production System

Delivering of the right products at the right time in the right quantity



Example of Production System <Assembly line for outdoor units>



Daikin's Unique Production System

Providing what's needed, when it's needed, in the amount needed: Daikin's unique, constantly evolving PDS (Production of Daikin System) delivers on efficiency that creates value. At the forefront of the PDS is the High-cycle Production (multi-product, variable-quantity production) system, which is capable of swift variations in product type and quantity according to requirements. Tapping Daikin's exclusive IT resources, this system responds rapidly and flexibly to changing customer needs using a production plan that reflects up-to-the-minute data on markets, inventories, components, and human resources. With the introduction of this system, we are now capable of adjusting production capacity on a day-to-day basis. Daikin endeavors to both minimize lead times and lessen environmental impact by constantly developing the Daikin production system to improve processes even further.



Responding to any change with multi-product, variable-quantity production

Satisfying diverse customer needs by manufacturing 80 to 150 different products every day.



Production lines aligned with SDGs

Adjusting work table height for employees. Our plant manufactures products that align with SDGs, including gender equality.



Automatic conveyor for components

Employees discuss and implement ideas to minimize loss. An example is reducing transport services that fail to create added value.

Shiga Plant Works Value Creation

Creating Value For People



Integrated production, from design to supply

Integrated production factories for room air conditioners

All employees engage in product manufacture as a team, from the design, production, and in-house procurement of components to product development, manufacture, and supply.



Close cooperation not only among designers, but also with all departments, including in-house procurement, manufacture, and production technology



Integrated production, from design to supply

Flow of production



Product development



We develop technologies that improve comfort energy saving capability to ensure customer satisfaction.



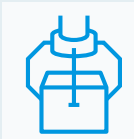
Quality management



Repeated testing ensures the best quality products.



Production technology



We develop factories and equipment that ensure safe production.



Supply



We create production plans for each factory based on the needs of nationwide customers.



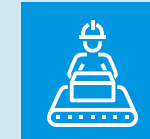
Component procurement



We ensure the most suitable components for production.



We produce high-quality products combining IT technologies and proficient techniques.



Distribution



We deliver our products to customers safely and quickly.



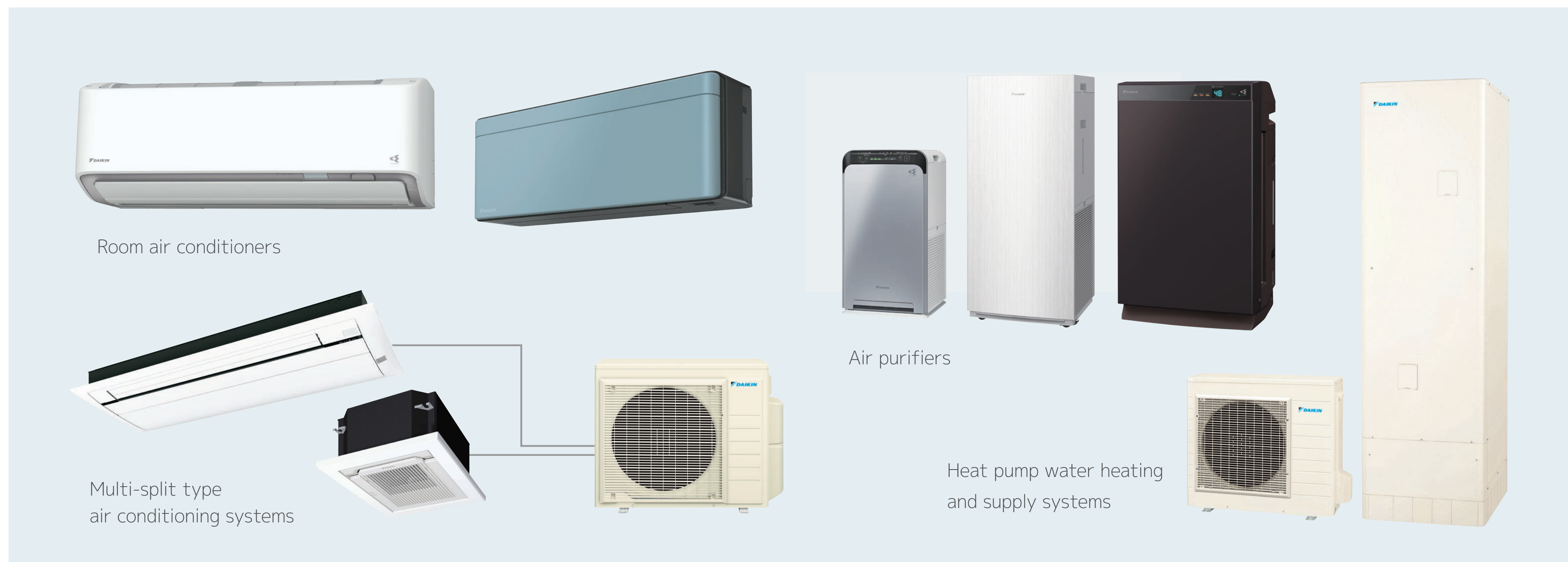
Services



We maintain trusting relationships with customers after product delivery.

Product development matching trends

The wide variety of products we develop includes air conditioners, air purifiers, water heating and supply systems, all of which keep pace with advances in technology and prioritize design that reduces environmental load. The unified support system connecting all departments enables us to deliver safe and secure products that are friendly to both people and the environment.



Shiga Plant Works Value Creation

Foundation Supporting Value Creation



Working with the local community

Shiga Plant works closely with the local community to contribute to regional vitalization.

Since the establishment of the Regional Community Department in 1973, Shiga Plant has been working with local residents as the regional point of contact. Through plant visits, the annual summer evening festival, and area cleaning activities, we promote communication with local residents to deepen our relationship with and contributions to the community.



Plant visits by elementary school students in Shiga City



Every year on July 1st, "Lake Biwa Day," we participate in a prefecture-wide cleanup activity.



The summer evening festival organized by employees attracts more than 8,000 visitors each year.

Health and safety initiatives

Ensuring a comfortable workplace where individual employees can work with confidence and peace of mind

Hands-on safety classes at the Shiga Plant provide employees with the opportunity to deepen their understanding of safety issues and increase their awareness through firsthand experience of controlled stressful situations.

In addition, industrial physicians conduct personal interviews and seminars to monitor and maintain both the mental and physical well-being of our employees and ensure approaches to problem-solving from multiple directions.



Screw installation training



Lifesaving training conducted by the in-house fire brigade



Mental health seminar

Access to the Shiga Plant

1000-2 Okamoto-cho, Kusatsu-shi, Shiga,
525-8526, Japan
TEL:077-563-1151

By train

- From JR Kusatsu Station (East Exit), take a Teisan bus bound for Aoyama 5-chome or Kamikiryu, and get off at Daikin-mae stop (Approx. 20 mins.)
- From JR Kusatsu Station (East Exit), take a Teisan taxi (Approx. 15 mins.)

By car

- From Ritto IC on the Meishin Expressway, exit to National Route 1 and head toward Otsu, turn left at the Kusatsu 3-chome intersection, and then go straight (Approx. 20 mins.)
- Turn right onto the prefectural road from Kusatsu-Tanakami IC (Approx. 10 mins.)

