

About Centrair Zero Carbon 2050

Central Japan International Airport Co., Ltd. announces its goal to reduce the CO2 emissions from the airport facilities to virtually zero by 2050 under the name of "Centrair Zero Carbon 2050".

Global warming is an urgent matter that affects all the countries in the world, countermeasures to reduce our impact in the planet are more important now than ever. In October last year, Japan declared 2050 Carbon Neutral plan to reduce greenhouse gas emissions to zero by 2050. In April this year, a new goal of 46% reduction of greenhouse gases by 2030 (compared to 2013) was also announced.

Until now, we have been working to reduce the environmental footprint by introducing a new cogeneration system, installing a solar power system in the terminal building, and promoting the increase of hydrogen energy. However more initiatives are necessary to reach the goal of zero gas emissions by 2050.

From now on, Central Japan International Airport Co., Ltd. is going to continue to strengthen the cooperation with the national and local governments, including the Centrair Eco Airport Promotion Council to achieve virtually zero CO2 emissions.

Centrair Zero Carbon 2050

- We aim to achieve virtually zero CO2 emissions from airport ground facilities by 2050.
- We will make an effort to achieve the national greenhouse gas reduction target for 2030 (46% reduction compared to 2013).
- We will cooperate with related organizations such as the Centrair Eco Airport Promotion Council, the national government, and other local governments to achieve these goals.

Central Japan International Airport
President & CEO
Riki Inuzuka



* The target of this CO2 reduction plan is the ground facilities of the airport.

In addition, we will be considering options to reduce the CO2 from aircrafts, starting with alternative aviation fuel (SAF), in cooperation with the Civil Aviation Bureau and airline companies.

Major Initiatives for Zero Carbon 2050

Efforts by the Centrair Group

Usage of renewable energy

- Introduction of solar power generators to the airport facilities.
- Possible introduction of solar power generation facilities to airside sites.



Solar power generators (Terminal 1 Bldg.)

Improving the energy saving and efficiency of the airport facilities

- 100% LED conversion of major airport facilities (aviation lights, cargo sheds, office buildings, etc.)
- Improvement of cogeneration system
- Updating to energy-saving equipment, promoting energy-saving activities among employees, etc.

Efforts in collaboration with airport personnel, local communities, etc.

Promotion of Aichi / Tokoname Super City Concept*

- Introducing new technologies to promote the utilization of Cell Fuel and energy optimization.

*In April 2021, Aichi Prefecture and Tokoname City played a central role in formulating the "Aichi Tokoname Super City Concept" that aims for social implementation of cutting-edge technologies and services in the airport island and surrounding areas. The plan was proposed to the national government.

<https://www.pref.aichi.jp/soshiki/kikaku/supercity-aichi-tokoname-20210415.html>

EV / FCV conversion

- EV and FCV conversion of the GSE (Ground Support Equipment) vehicles used at airport.



Cell Fuel powered forklifts



Cell fuel station in Cargo Area

Promotion of greening activities

- Promotion of afforestation activities for forest development.

Other

Introducing, in cooperation with other organizations, new technologies such as energy management AI, expanding the use of hydrogen power generation, on-site CO2 separation and recovery, use of city gas by metanation, among others.



Central Japan International Airport Co., Ltd. supports Sustainable Development Goals (SDGs).

