

# Fixed-type Underground GPU(Ground Power Unit)/ PCA(Pre Conditioned Air Unit) System

## Product Summary

- This is one method of GPU / PCA for supplying electricity and air-conditioning air to parked aircraft.
- In recent years, CO2 emission restrictions are demanded and APU use restrictions during parking have become widespread across the globe. From among various types of GPUs in lieu of APUs, the fixed type underground GPU/PCA system is the most reasonable and superior Japanese technology.

## Features Advantage

- **Ecological** : GPU CO2 emission quantity is about 1/10 of that at the time of use of APUs
- **Safety** : Risks of accidental contacts will be eliminated as supply vehicles are unnecessary.
- **Operational efficiency** : The time up to connection is shorter than that possible with mobile units
- **Landscaping** : GPU/PCA are embedded underground. Thus, they do not spoil apron landscapes
- **Endurance** : Embedded pipes can be almost perpetually used.
- **Energy efficiency** : The conditioning air is less sensitive to the outside temperature.

## Applications

- Aprons

## Past Installations

- Japanese Airports : New Chitose, Narita, Haneda, Chubu, Itami, Kobe, Kansai, Fukuoka, Naha, etc. (600 units for 9 airports)



Electricity supply



Pits for electric power

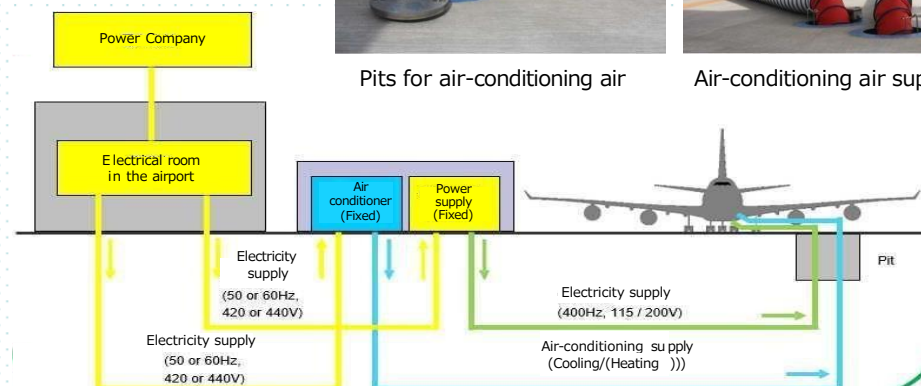


Pits for air-conditioning air



Air-conditioning air supply

## Underground type GPU/PCA system Schematic diagram



## Contact Information

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