

3-14. Fixed type GPU/PCA Underground System



Category	Area	Ground Support Equipment and Services
	Theme	Improving air traffic efficiency, Decarbonation

Product Summary

- GPU/PCA for supplying electricity and conditioned air to a parked aircraft
- In recent years, GPUs have been used in place of APUs to reduce CO2 emissions, and the Underground System is the most reasonable Japanese method.

Features

- CO2 emissions from GPUs are about 1/10 of those from APUs (ECOLOGICAL)
- No need for a supply vehicle, eliminating the risk of collision (SAFETY)
- Unlike mobile equipment, the time required for connection is short (WORKING EFFICIENCY)
- No loss of apron appearance due to underground burial (LANDSCAPING)
- Embedded pipes can be almost perpetually used (DURABILITY)
- Cooling effect is not easily affected by outside temperatures (THERMAL EFFICIENCY)

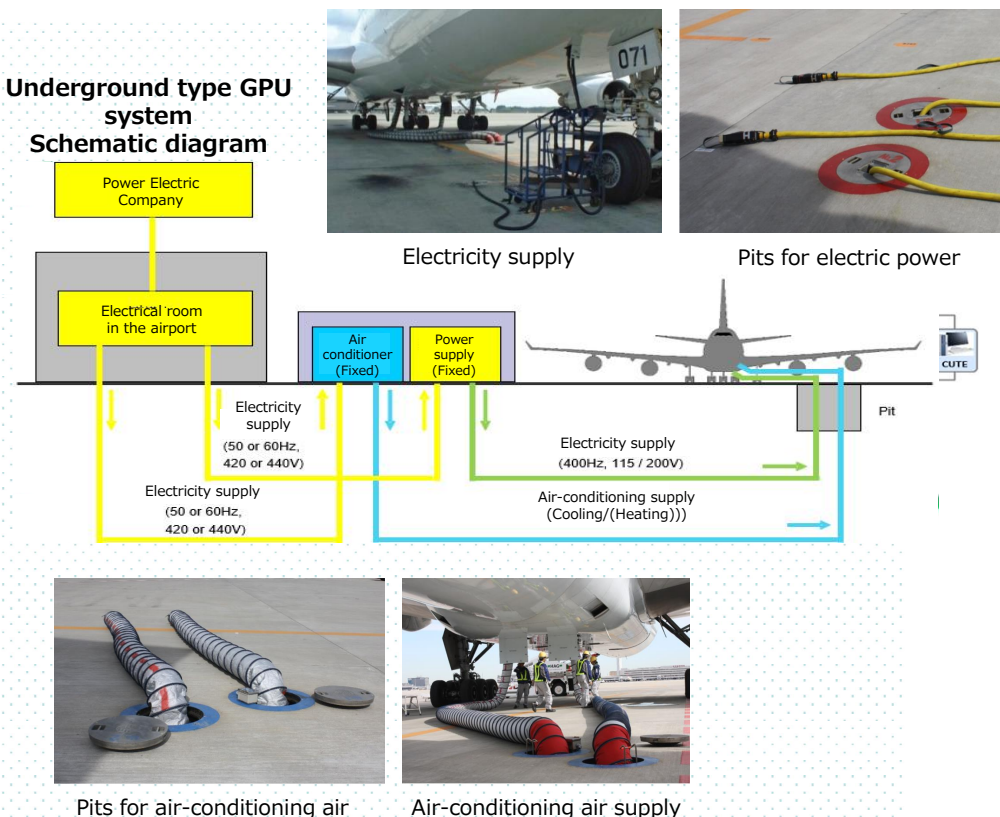
Applications

- Aprons

Past Installations

- Japanese Airports : New Chitose, Narita , Haneda, Chubu Centrair, Kansai etc. (600 units for nine airports)

Underground type GPU system Schematic diagram



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