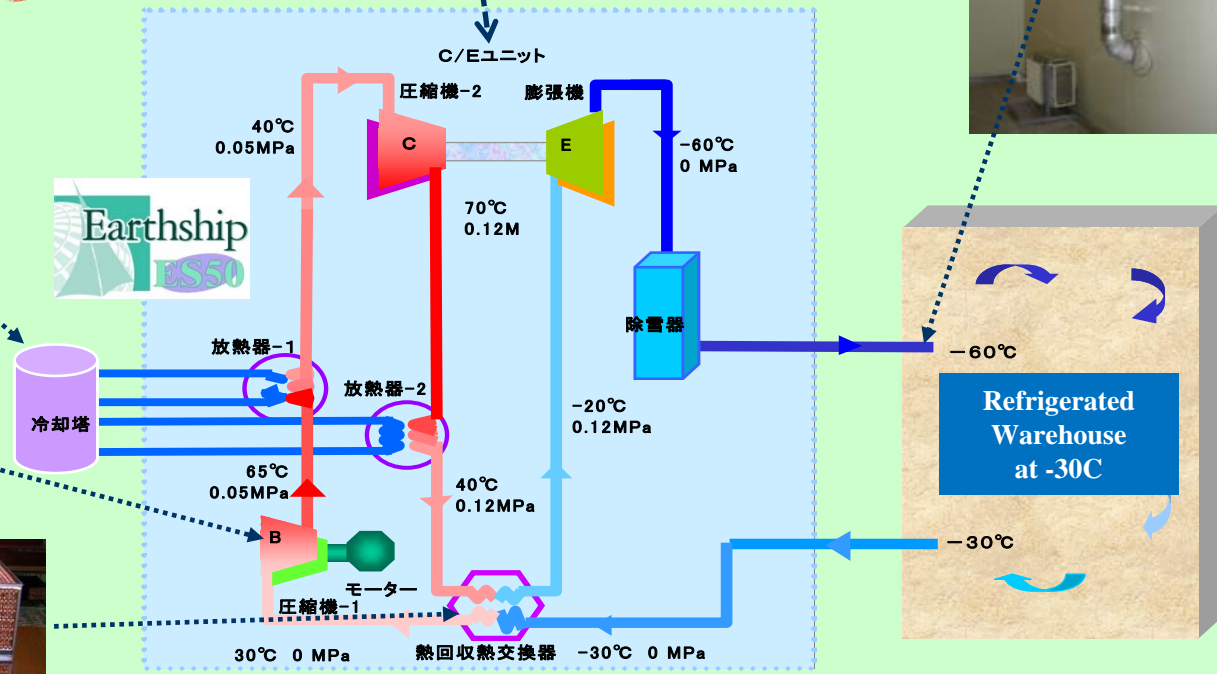
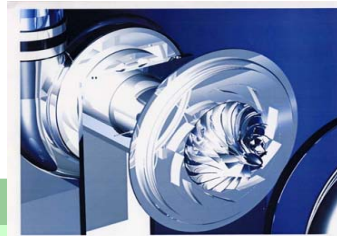


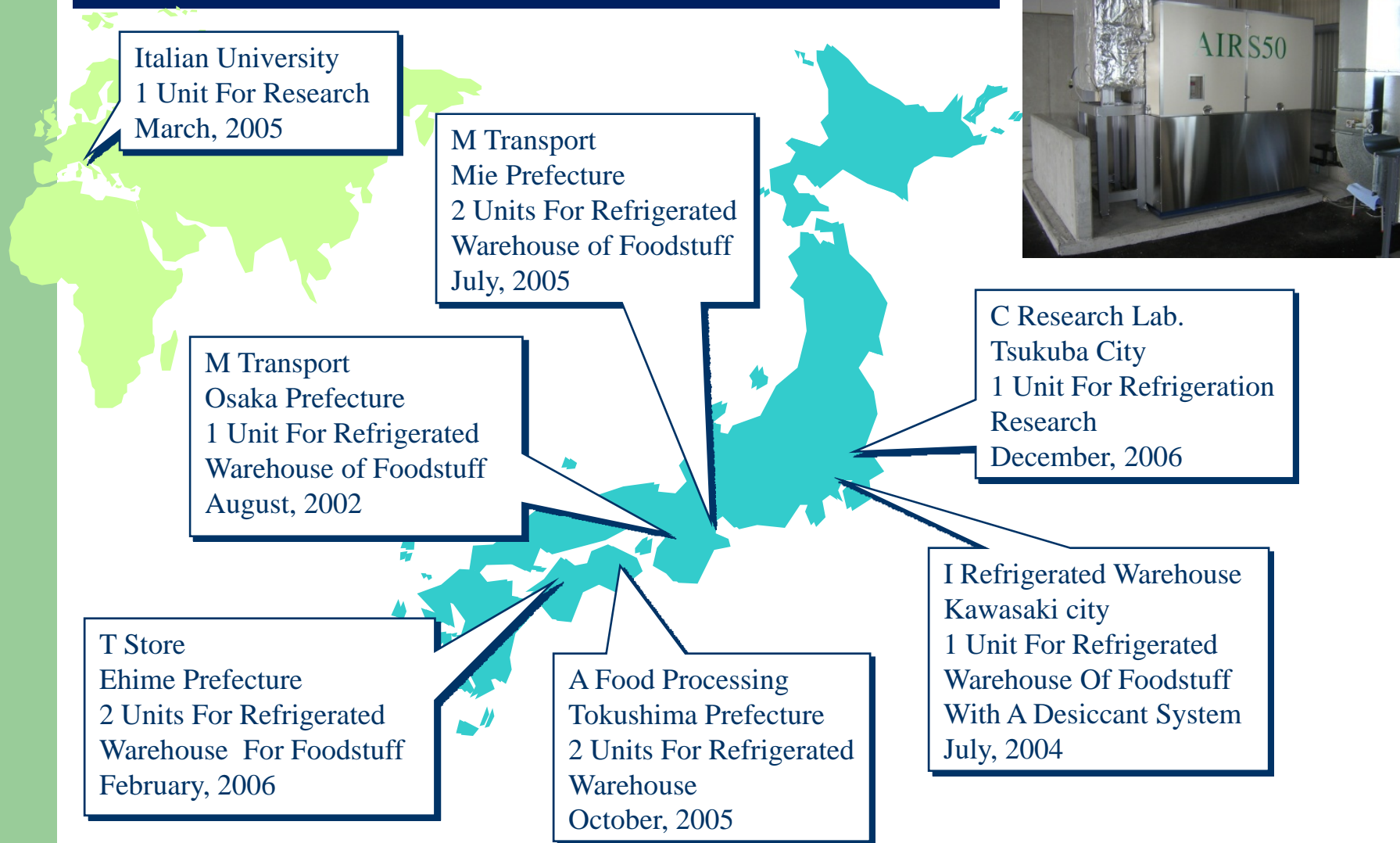
AIRS ES-50

AIR-CYCLE REFRIGERATION SYSTEM

ODP = ZERO
GWP = ZERO
Energy Saving

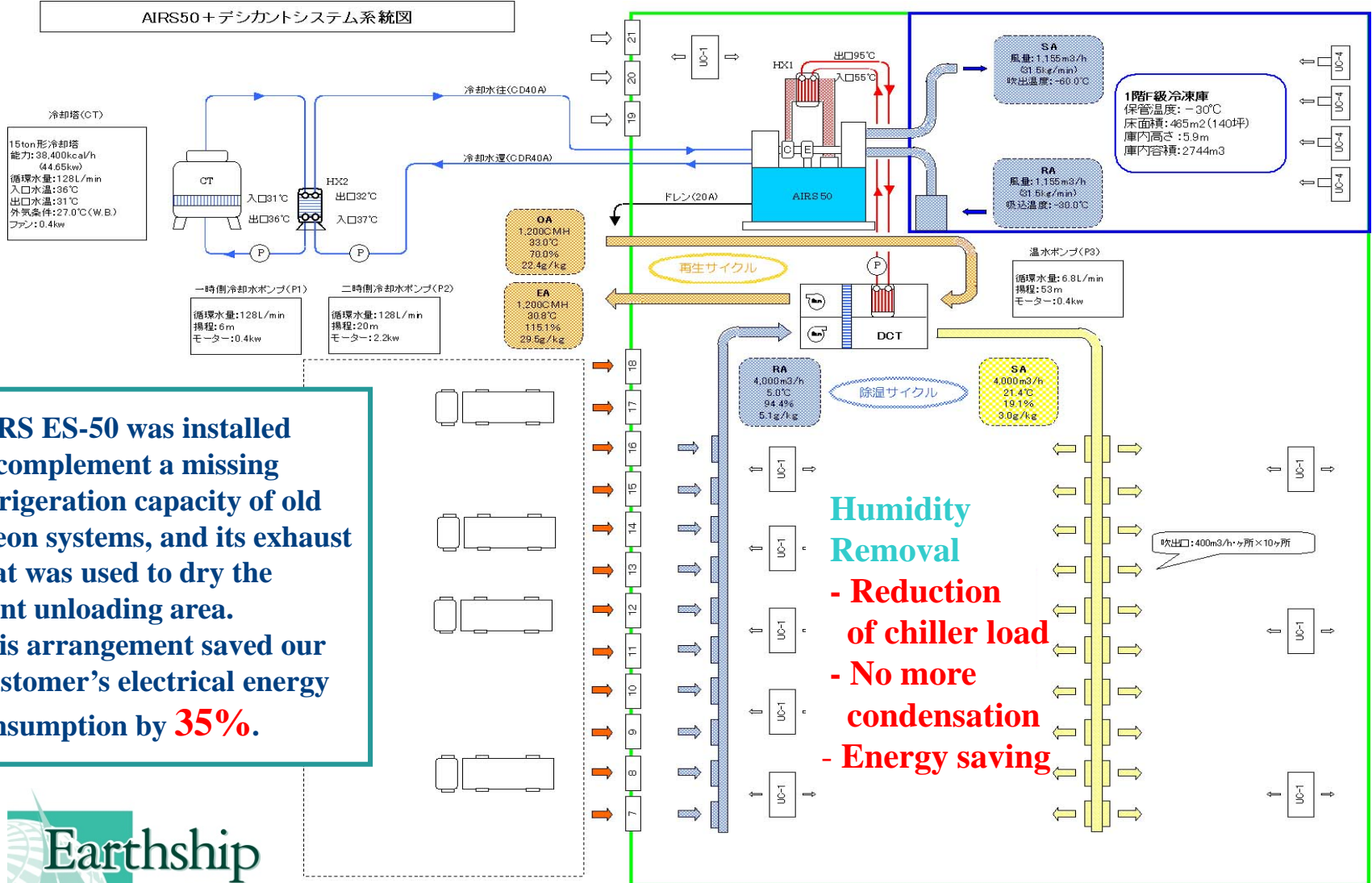


AIRS ES-50 Operating Since 2002



LAYOUT OF AIRS ES-50 WITH DESICCANT SYSTEM INSTALLED AT A DISTRIBUTION CENTER WAREHOUSE

AIRS50 + デシカントシステム系統図



AIRS ES-50 was installed to complement a missing refrigeration capacity of old Freon systems, and its exhaust heat was used to dry the front unloading area. This arrangement saved our Customer's electrical energy consumption by **35%.**

Humidity Removal
- Reduction of chiller load
- No more condensation
- Energy saving



Schematic Representation of two AIRS ES-50's For Fermentation, Chiller, and Refrigerated Storage At A Customer Site

Refrigerated warehouse is kept at -30C with two AIRS ES-50 systems, and a part of that cooling capacity is used in the adjacent chiller room; exhaust heat from one ES-50 is supplied to the 70 sq. m heating room where a fruit fermentation process takes place at +35C.

If this system were to be realized with Freon refrigeration system, a heating system will have to be installed in the heating room as well as another air conditioning system for climate control.

