WHAT IS CLAIMED IS:

1. A carrier, comprising:

a body having at least one cabin that defines a compartment for accommodating at least one transported object; and

at least one adaptive air conditioning system for controlling the air and internal installation in the compartment at a predetermined temperature, the adaptive air conditioning system including:

data collecting apparatus including at least one internal installation temperature sensor, at least one compartment temperature sensor, and at least one object sensor, the internal installation temperature sensor capable of measuring temperature of the internal installation and outputting signals representative of the temperature of the internal installation, the compartment temperature sensor capable of measuring temperature of the air in the compartment and outputting signals representative of the temperature of the air in the compartment, the object sensor capable of sensing condition of the transported object and outputting signals representative of the condition of the transported object;

temperature control apparatus including at least one liquid circulation unit, at least one air circulation unit, and at least one control switch for starting the liquid circulation unit and the air circulation unit, wherein the liquid circulation unit is thermally connected to at least one piece of the internal installation while the air circulation unit is thermally connected to the compartment; and

a microcontroller capable of receiving the signals outputted from the internal

installation temperature sensor, the compartment temperature sensor, and the object sensor, and capable of deciding whether or not to enable the temperature control apparatus according to temperature differences between the temperatures measured by the sensors and the predetermined temperature in view of temperature trends based on thermal energy changes in the cabin, and capable of commanding the control switch to start the liquid circulation unit and/or the air circulation unit according to the temperature differences if the temperature control apparatus is enabled;

wherein the adaptive air conditioning system has an exchange port in communication with the liquid circulation system, the exchange port capable of being connected to an external heat exchange tank at a station, so that the liquid circulation unit and the external heat exchange tank may exchange their liquids.