Claims

1. A computer-implemented method for transport refrigeration unit including an evaluation and diagnostic engine (402) using a processor (98, 300), the method comprising:

receiving, by a processor (98, 300), customer business data (406) associated with the transport refrigeration unit;

obtaining customer usage data (404) associated with a customer business operation, wherein the customer usage data (404) is obtained using sensors (40) associated with the transport refrigeration unit, and wherein the sensors (40) comprise a thermostat for the transport refrigeration unit and a door sensor associated with an outside door of the transport refrigeration unit;

obtaining environmental data (410) associated with the transport refrigeration unit, including obtaining outside air temperature and humidity; and

determining an action for the transport refrigeration unit, wherein the action comprises adjustment of a temperature of the thermostat, and wherein the usage and diagnostic engine (402) is configured to look to the customer usage data (404) and customer business data (406) to determine that the transport refrigeration unit has an upcoming stop that might require the door to be opened and to adjust the thermostat temperature downward based at least in part on the outside air temperature and humidity and in anticipation of the door opening.

2. The computer-implemented method of claim 1, comprising analysing the customer usage data (404) and the customer business data (406) to generate a usage score card associated with the transport refrigeration unit, and determining another action for the transport refrigeration unit based at least in part on the usage score card.

3. The computer-implemented method of Claim 2, further comprising:

displaying, on a display, the another action and the usage score card.

4. The computer-implemented method of claim 2 or 3, wherein the another action comprises a suggested maintenance action for the transport refrigeration unit.

5. A system for evaluation and diagnostic for a transport refrigeration unit, the system comprising:

sensors (40) associated with the transport refrigeration unit, and wherein the sensors (40) comprise a thermostat for the transport refrigeration unit and a door sensor associated with an outside door of the transport refrigeration unit

an evaluation and diagnostic engine (402) with a processor (98, 300) communicatively coupled to a memory, the processor (98, 300) configured to perform the method of any preceding claim.