What is claimed is:

1. A device for sensing and correcting a marine transport environment of a ship, comprising:

an inertial sensor, configured to measure a roll of the ship; and

a processor, configured to:

receive sensing information regarding temperature and humidity inside a cargo on the ship from an external source,

verify the temperature and the humidity of the sensing information based on at least one of a Global Positioning System (GPS) indicating a location of the ship and an Estimated Time of Arrival (ETA) at a destination of the ship along a navigation route, and

correct transport environment information including the temperature and the humidity based on the verification results,

wherein the processor comprises:

a verifier, configured to:

measure a current location of the ship based on GPS,

verify the temperature and the humidity inside the cargo by comparing predicted values at the current location of the ship with a predefined first reference value,

measure ETA along the navigation route based on externally received input, and

verify the temperature and the humidity inside the cargo by comparing predicted values at the current ETA with a predefined second reference value;

a computation unit, configured to calculate correction parameters based on the measured temperature and humidity and reference values; and

a corrector, configured to correct the transport environment based on the verification results from the verification unit and the correction parameters from the computation unit.

2. The device of Claim 1, wherein:

the verification unit is configured to primarily estimate predicted temperature, humidity, and ETA along the navigation route;

the computation unit is configured to calculate correction parameters based on the predicted temperature, humidity, and ETA along the navigation route; and

the correction unit is configured to update time and humidity variations and update average temperature changes by longitude.

3. The device of Claim 2, wherein:

the verification unit is configured to verify temperature and humidity by comparing actual log values with estimated values for each navigational trajectory, and when an error occurs in the

temperature and humidity log, update the error data,

the computation unit is configured to calculate the correction parameters in response to temporal errors, and

the correction unit is configured to update navigational information based on error cause analysis, using temperature, humidity, and temporal error data.

4. The device of Claim 3, further comprising a memory configured to store lookup tables (LUTs) containing error data measured for each navigational route of the ship, error data measured for each location where the ship can be positioned, and error data measured for each cargo loaded on the ship,

wherein the verification unit is configured to verify the temperature, and the humidity based on multiple LUTs stored in the memory.

5. The device of Claim 4, wherein the inertial sensor comprises an Inertial Measurement Unit (IMU) including:

a gyroscope configured to measure angular velocity of the ship,

an accelerometer configured to measure acceleration of the ship, and

a magnetometer configured to measure geomagnetic properties of the ship.

6. The device of Claim 5, further comprising:

a salinity sensor configured to measure salt levels around the ship at sea to track corrosive effects on precision machinery,

wherein the verification unit is configured to verify the temperature and the humidity based on data sensed by the salinity sensor.

7. The device of Claim 6, further comprising:

a communication module configured to transmit ship information, including corrected temperature and humidity data, to external devices via a communication network.

8. A method for sensing and correcting a marine transport environment of a ship, comprising:

receiving sensing information on temperature and humidity inside a cargo contained in the ship from outside;

measuring a roll of the ship;

verifying the temperature and the humidity of the sensing information based on at least one of a GPS indicating a location of the ship and an ETA at a destination on the ship along a navigation route; and

correcting transport environment information including

the temperature and the humidity based on the verification results;

measuring a current location of the ship based on GPS;

verifying the temperature and the humidity inside the cargo by comparing predicted values at the current location of the ship with a predefined first reference value;

measuring ETA along the navigation route based on externally received input;

verifying the temperature and the humidity inside the cargo by comparing predicted values at the current ETA with a predefined second reference value;

computing, which calculates correction parameters based on the measured temperature and humidity and reference values; and

correcting, which corrects the transport environment based on the verification results from the verification unit and the correction parameters from the computation unit.

9. A computer program stored on a recording medium, which, when combined with hardware, executes the method of Claim 8.