TEMPERATURE CONTROL SYSTEM

The Challenge

A constant balance between maintaining goods quality and cold storage expense level.

The Solution

A temperature control logistics system is an independent unit in cold storage rooms, refrigerators, mobile refrigerating facilities and computer rooms, which constantly monitors the temperature level, reports to the system for the purpose of monitoring and data collection over time, and alerts on temperature deviations in real time, including SMS/
e-mail notifications to a specific recipient.

The Savings

The transition to a preventive action and real time response over a responsive action prevents loss of goods due to a malfunction in the cooling system, while also prevents customer compensation and damage to commercial reputation. Collecting and analyzing the data over time assists in reaching cooling optimization and minimizes ongoing expenses - such as preventing under/over cooling.
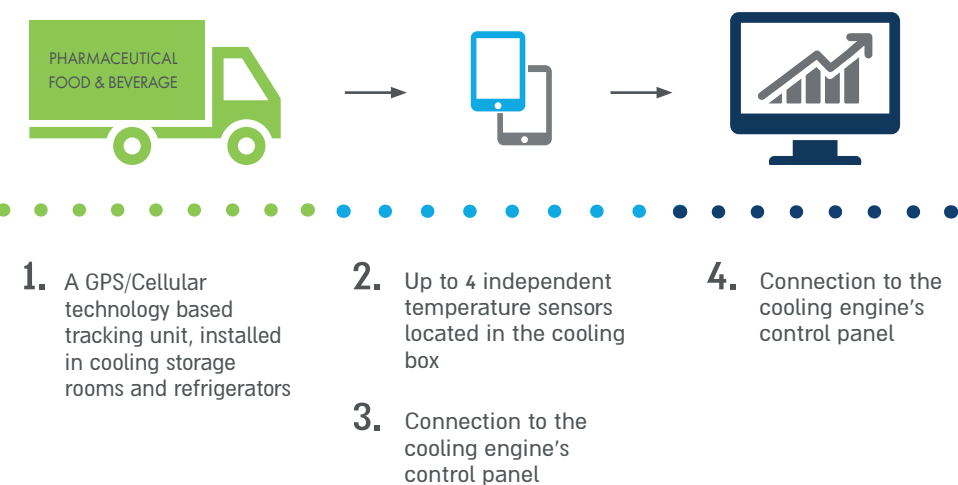
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Main Features

> Real-time temperature monitoring in cooling storage rooms and refrigerators

> Cooling control, refrigeration (or a combination of both)

> Temperature control based on independent sensors (not dependent on the refrigerator/cooling unit)

> Setting the temperature-sampling rate and its transmission to the system in a dynamic manner, based on customer needs

> Accuracy of up to a tenth of a degree (Celsius)

> A user-friendly, monitoring and management application via web/internal-organizational interface

> A smart alerting mechanism measuring temperature deviations according to changing criteria set by the customer through the control and management application

> A built-in alert transfer option, via email/SMS

> Saving data in customer's account over time and presenting it through a structured reporting mechanism

System Components

PHARMACEUTICAL FOOD & BEVERAGE

1. A GPS/Cellular technology based tracking unit, installed in cooling storage rooms and refrigerators

2. Up to 4 independent temperature sensors located in the cooling box

3. Connection to the cooling engine's control panel

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Temperature data is transmitted to the management system in real-time.
The data is collected over time for analysis.
In case of deviation, an alert is sent immediately to a specific functionary.

Ituran Global Solutions

Ituran Global Solutions offer a wide range of unique, innovative fleet management products. The company's activities are focused on three core organizational areas; efficiency, monitoring &real-time control and safety all of which, when run optimally, translate into significant financial savings.

Ituran Global Solutions products are based on GPS/Cellular technologies, enabling high locating quality and broadband data transfer.

Ituran Global Solutions customers enjoy unparalleled personal service and training in addition to a follow-the-sun technical and support call center.

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