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BITHERM TOOLS FOR STEAM TRAP MANAGEMENT
LeakTector LT4 + GeSteamTrap + SmartWatchWeb™

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HOJA TÉCNICA

General Description

BiTherm provides a powerful group of integrated tools for inspection, maintenance, and energy management of steam traps, consisting of:

1. LeakTector LT4: Compact portable data acquisition device with ultrasound and temperature sensors to detect steam & gas leaks, with wireless communication to Smartphones or Tablets via Bluethooth.

2. GeSteamTrap: App for Smartphones or Tablets, with NFC card reader & writer, Bluethoot communication to LeakTector LT4, data synchronization with SmartWatchWeb™, software tools for inspection, steam and fluids multiple calculators, technical datasheets, steam traps videos, etc.

3.SmartWatchWeb™:Online platformfor steam traps management (inspection, evaluation, maintenance, diagnosis, analysis, reports,...)

LeakTector LT4 Main Features

- Ultrasound and Temperature Sensors
- Rechargable battery via micro-USB and charger
- Status indicators LEDs
- Compact instrument without cables
- Smartphone Smart-Ex 02 DZ1 (DIV 1 & Zone 1/21)
- Aluminium transport case
- ATEX/IECEX Certification

Outstanding features of GeSteamTrap

- App for Android (App for Windows & Apple on demand)
- Reading / Writing NFC cards (Id, characteristics, working parameters, inspection status,...)
- Data synchronization with SmartWatchWeb™
- GPS geolocation of steam traps
- Steam range and application selector
- Analogical & digital measure of Ultrasound & Temperature
- Automatic diagnosis of steam leaks, flash steam, orifice water flow, steam properties, pipe thickness,...
- Management of preventive/corrective steam trap maintenance.
- Ability to send inquiries and technical support
- Import/export Excel files

Features of SmartWatchWeb™ Platform
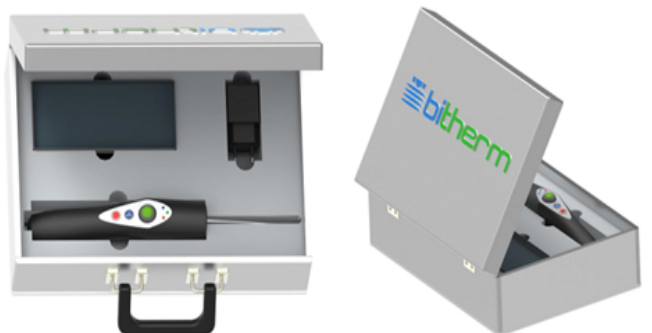Due to its lenght, it is described in the attached document.

How to use

Open the GeSteamTrap App on your Smartphone/Tablet and hold it very close to the trap´s NFC card until the steam trap data appears on the screen (brand, model, application, pressure, status, last inspection date, ...)

Then firmly press the Leaktector probe on to the trap to capture its ultrasonic signal and measure its temperature. GeSteamTrap algorithms evaluate and display the status of the trap.

The user can read an confirm or modify the diagnostic displayed on the screen of the Smartphone/Tablet, and finally can save and writes this new status to the NFC card.
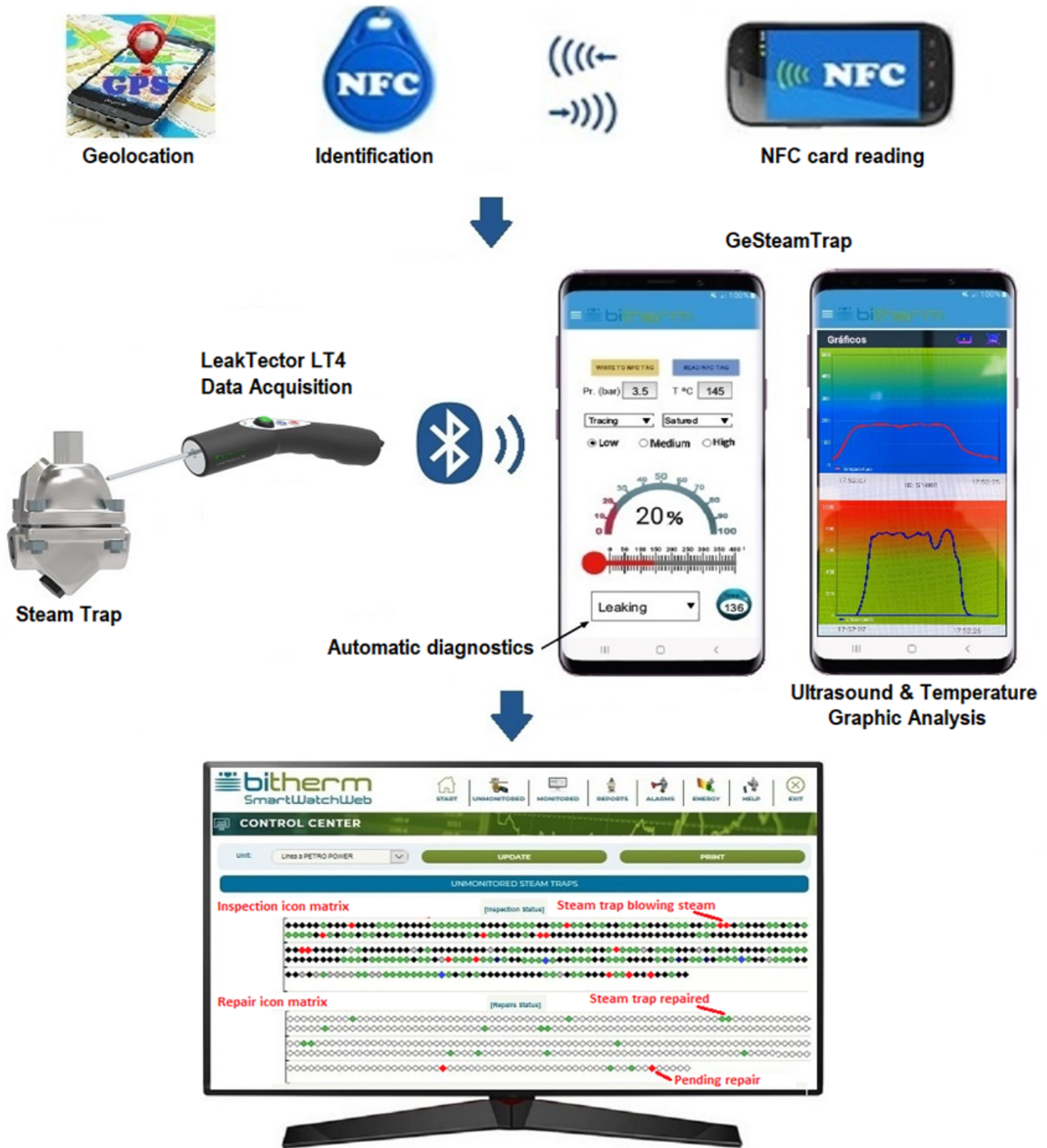
Once the inspection of all the traps is completed, the user can download the results in Excel format and update the SmartWatchWeb™ platform.
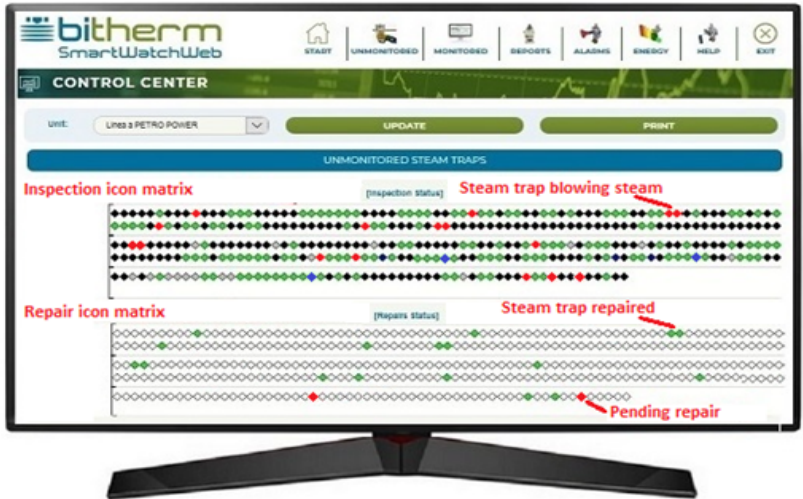
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Inspection process outline

Geolocation

Identification

NFC card reading

GeSteamTrap

LeakTector LT4
Data Acquisition

Steam Trap

Automatic diagnostics

Ultrasound & Temperature
Graphic Analysis

CONTROL CENTER

Inspection icon matrix

Steam trap blowing steam

Repair icon matrix

Steam trap repaired

Pending repair

Analysis, maintenance management, statistics, steam leak evaluation, reports, ...

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For more information please visit web www.bitherm-sistemas.com or contact your Bitherm´s distributor.

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