



Hydrometers conference mat with the ACURA RFID solution



sabesp

Overview

Problem: Lack of traceability of water meters (asset management).

Solution: Use of specific UHF RFID tags that support harsh environments, streamlining the process of checking the items.

Advantages: Reduction of errors, misplacement and agility in the logistics process.

Benefits: Increased safety and agility at the conference, control inputs and outputs active, separation and recycling of raw materials.

Target consumer: Logistics.

Winner case of the Green Award at RFID Journal Awards.

Sabesp makes conference of water meters with speed and security

One of the solutions implemented by ACURA Global allows identifying hydrometers, managing inventory and recycling materials.

Sabesp is responsible for water supply, sewage collection and treatment of 364 municipalities in the state of São Paulo. 28.2 million people are supplied with water and 22.1 million people with sewage, and therefore is considered one of the largest sanitation companies in the world in population served. In partnership with private companies, also operates in the municipalities, Mogi Mirim, Castilho, Andradina and Mairinque, and partnerships with state sanitation utilities in the states of Alagoas and Espírito Santo. Sabesp still performs consulting services in Panama and Honduras. In addition to basic sanitation services, Sabesp is authorized to operate in drainage, street cleaning, solid waste management and energy markets. Sabesp's Mission is "Providing sanitation services, contributing to improved quality of life and environment" and aims, in 2018, "To be recognized as the company that has universalized sanitation services in its area of operations in a sustainable manner and competitive, with excellence in customer service."



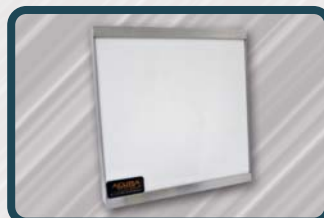
Ideal Products for the Solution



500.024 - Mercury 6 UHF Reader

UHF M6 reader, has a capacity of up to 4 mono-static antennas, PoE and availability of communication API for programming.

For more information about this product, [click here](#).



100.098 - Monostatic UHF Antenna

The Monostatic UHF Antenna offers a great cost/benefit relation, and may be used indoors and outdoors, with metallic inox and aluminum parts. It may be used with any ACURA RFID UHF reader which uses monostatic antennas.

For more information about this product, [click here](#).



500.699 - 300U UHF Data Collector

High performance and great accuracy RFID reading. Rugged and compact, the UHF 300U also has features like Bluetooth, Wi-Fi and GPS.

For more information about this product, [click here](#).

About the Solution

The Client: Sabesp is responsible for water supply, sewage collection and treatment of 364 municipalities in the state of São Paulo, is considered one of the largest sanitation companies in the world in population served.

Proposed Challenge: Issues in the logistics process as control and low per one meter (processing orders, receiving, loading and recovery of meters), difficulty in planning involving deadlines and request for inspection of the manufacturer, flaws in exchange for lack of political control and exercise the warranty policy. Besides the impact on the management of the meters, there was accumulation of physical documentation and liability losses.

Equipment: M6 UHF Reader, UHF Monostatic Compact Antenna, 300U UHF Data Collector.

Solution: Creating an Integrated Management System Meters (GIM) of. Applying RFID tags on water meters and water meter readers to identify inside the boxes. Use handheld readers to streamline the verification process inventory and conference items inside the boxes.

Functioning: The tag is applied to the meter and come in the unity of Sabesp, a check is made with the Collector 300U data that identifies the items inside the boxes, thus speeding the process of material received conference. Made the conference can process orders from receiving, loading and recovery of meters that can be selected by several factors, such as manufacturer, capacity, type of raw material, flow, etc.

Features / Practical improvements: The use of the Integrated Management System Meters (GIM) avoids human errors as the control and low per lot, plus miscarriages and warranty (controls and manual actions), and streamlines the logistics process.

Gains / Benefits: Reducing of error control, receiving, logistics and guarantee greater safety and speed in the conference and low assertiveness in inspections and service delivery. The environment will also benefit since they will be separated scraps more assertive, allowing them to be reused.



ACURA has a focus on the market of general identification, with emphasis on RFID (radiofrequency identification), providing RFID Tags (Transponders), Proximity Cards, RFID Readers and Data Collectors.



Testimonies



"The system can identify and reduce points of water meters deviations enables gains and agility in the process, cutting red tape, reducing the number of documents digitally transiting through e-mails, failures and delays in the receipt of such information [...] The environment will also benefit since they will be separated scraps, allowing reuse".

Benemar, Watermeters Department Manager Sabesp



"This project involved a lot of work teams, was a big challenge for ACURA, as encompassed industrial automation, process improvement and utilization of RFID technology to optimize the logistical operations of Sabesp. Noteworthy environmental gain due to the recyclability of materials".

Wagner, Project Coordinator



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