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General Vision

Problem: Establishing a logistic control of usage of resources allocated to the healthcare unit.

Solution: Tags implanted in uniforms, read by high frequency readers in strategic positions.

Advantages: Usage of the paperless method for data communication.

Benefits: Resources automatically system-controlled and fiscalized.

Target: Health.

RFID to improve health care in Brazil

The Instituto Data Rio uses radiofrequency technology to controls diverse items in health units

The IDR, constituted in July 11th, 2005, is a Civil Association, and private legal non-profit entity. In its Responsive Care Units (Unidade de Pronto Atendimento, or UPAs), it decided to innovate its management system and create automatized control methods with RFID and protocols that fight hospital infection.

Atrio Rio is a company which works in the market of outsourcing and has more than two thousand hired professionals. Currently, outsourcing certain sectors of a company has been the most efficient way of managing, as it enables the focus of the company to be exclusively aimed at its end activities.





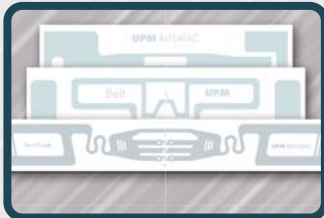
Ideal Products for the Solution



500.320 - AT-870 Handheld

The Smart AT-870 offers the capacity to combine various functions on a single robust and profitable solution. From reading barcodes to RFID labels with cellular and wireless connectivity, the Smart AT-870 transfers data from the workfield to your office. The Smart AT-870 has a design that allows a customized configuration, allowing you to create the adequate unit to cater to your needs.

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



UHF Gen2 Tags

The design, especially projected for UHF antennas, allow the user to reach a new reading level in any part of the world, independently of radiofrequency norms. Among many applications, there is: supply chain, industrial environment and medical/pharmaceutical area.

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



100.226 - EDGE-50 UHF Reader

The EDGE-50 is an UHF RFID reader of small dimensions and high performance, based in the powerful M6-e module, and supports monostatic antennas and communicates through Serial RS-232 or USB. It also has an API for software development in C, .NET and Java.

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

About the Solution

The Client: The IDR, constituted in July 11th, 2005, is a Civil Association, and private legal non-profit entity. In its Responsive Care Units (Unidade de Pronto Atendimento, or UPAs), it decided to innovate its management system and create automatized control methods with RFID and protocols that fight hospital infection.

Proposed Challenge: Establishing a logistic control for the usage of allocated assets in the health care unit. Better care for the population in general. Avoiding hospital infection risk.

Equipment: M6 readers, Edge-50, GPIO-100, AT-870 collector and Inlay tags which work on Gen2 protocol.

Solution: Identification passage portals were installed in strategic points for flux control of resources in the health care unit. UHF tags were used for medication control, using the paperless method which automatically informs the pharmacist which medicaments were scheduled and automatizing the

inventory counting system. It was also used for Asset Control, Cleaning Asset Control, Laundry Control and Uniform Control, not allowing professionals to exit the work environment wearing uniform (avoiding infection risks).

Functioning: Atrio Rio developed a system, installed in the UPA (Unidade de Pronto Atendimento) of Mesquita, in Rio de Janeiro, which allows patrimonial control, the tracking of cleaning assets and medication control. In order to reduce hospital infection, medical uniforms and blankets received RFID chips, and, in the future, cleaning assets will also be monitored, as well as medicines and syringes.

Features / Practical improvements: Identification passage portals were installed in strategic points for flux control of resources in the health care unit, using equipment such as PDAs and Gen2 protocol-enabled readers.

Gains / Benefits: Unit management system integration, automatized control of uniforms, working goods, cleaning assets and medications.

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.