

Asset Tracking of Measurement Equipment

Success Story

ZOMOFI®

If a measurement device is being searched for in the development department of Albis Technologies Ltd then no one asks around, an e-mail query is not started nor do people hunt around for it room by room. Everyone can immediately see on an internal web application in which room the devices are located.

Over 200 devices are equipped with ZOMOFI RFID tags (also called transponders) at Albis Technologies Ltd. The active tags also work in a metallic environments and are reliable over long distances.

Furthermore, their service life is longer than comparable tags. Reading devices, which cover the department and which are able to locate each measurement device, are installed in two buildings on six floors.

Complete overview at any time

The web-based solution at Albis Technologies Ltd lists 900 devices and additional components. Over 200 devices are tagged with ZOMOFI tags. It doesn't take more than a minute to log and incorporate a new measurement device and the associated tag in the database.

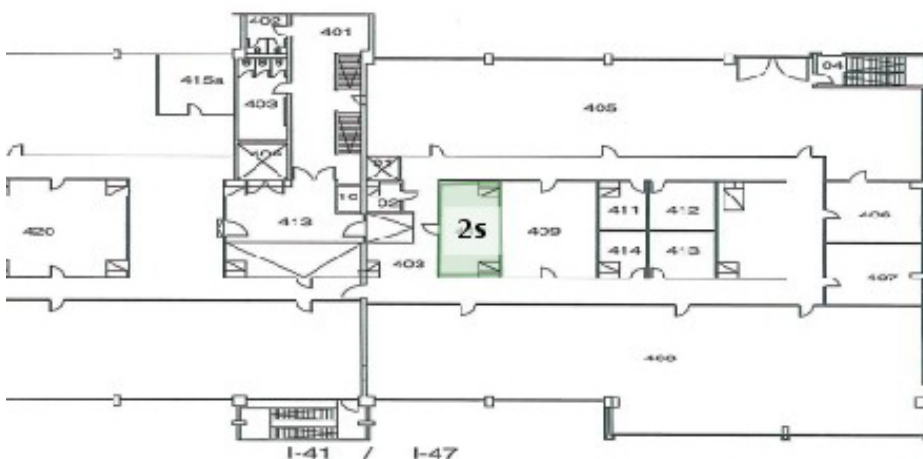
The database also contains information such as time intervals and dates for inventory checking and calibration. Using the extensive search and query functions, it is possible to locate devices which need to be inventory checked at any time.

Without this overview, project delays could not be ruled out even if there was no direct impact on projects - the time needed for basic administration of the devices was considerable. After submitting a search, an overview plan of the rooms appears on the screen; a marking shows where the device that is searched for is located.

Furthermore, it is not only possible to view information on the measurement device by clicking on it, it is also possible to view information on the particular room, such as who the responsible person is if the room has restricted access.

The asset tracking software application is setup on the ZOMOFI edgware platform (drivers, filters, etc.) and was realised in just a few weeks. The Google Web Toolkit, well-known web servers and Enterprise JavaBeans serve as the framework. Programming and integrating the overall solution ran as simply and cost-effectively as the labour-saving potential is great for the developers at Albis Technologies Ltd.

Measurement Instrument found!



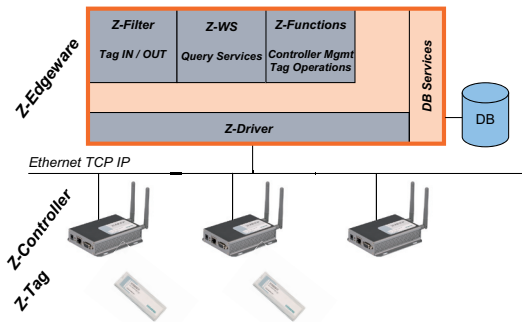
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IT Architecture

ZOMOFI controller are equipped with standard connectors. The integration into existing Ethernet infrastructure is therefore very easy.

ZOMOFI Architecture

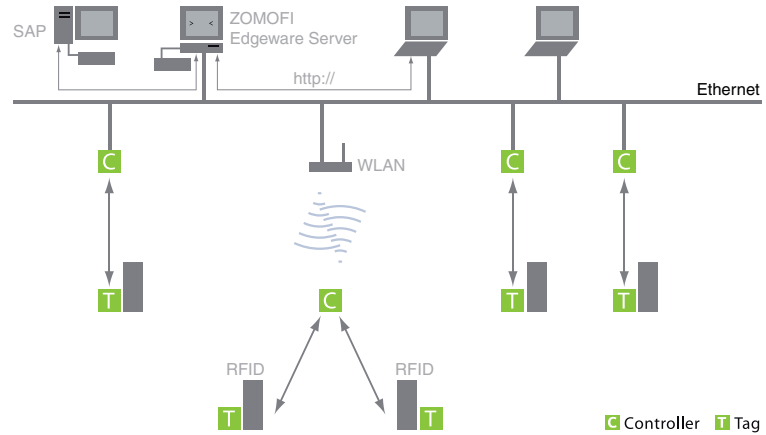
The ZOMOFI architecture includes the hardware elements and the Edgware. The individual software application sits on top of the Edgware and leverages the abstracted interface.



Capital Expenditor

The total costs for hardware, software and installation of ZOMOFI in 2 buildings, 6 floors is as followed:

Zones: 30	€ 30 000
Measures: 300	€ 7 500
Hardware total:	€ 37 500
Installation:	€ 10 000
Application:	€ 40 000
Total Solution:	€ 87 500



ZOMOFI saves money

Even if the ROI consideration is merely based on better utilisation of the measurement devices and not on project delays and personnel costs for searching, a return on investment is achieved in under a year.

Better utilization of existing and new measurement equipment saves at least € 100 000 per year:

Measurement Inventory:	€ 8 Mio.
Amortization	every 8 years
Better utilization of instruments	10 %
Less Instruments to be purchased	
→ SAVINGS (per year)	€ 100 000

Studies from the USA show that the utilisation of instruments in hospitals can be improved by more than 20% as soon as finding them becomes very easy and the departments stop hoarding their devices.

If you are interested in asset tracking then please get in touch with Zeno Stämmer, Albis Technologies Ltd, phone +41 585 584 828 or by email: zeno.staemmer@albistechnologies.com

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