

Locate | Automate | Interact

Pyramid Location System (PLS)



- High Accuracy for location based services & applications
- High process automation
- Complete system, fast setup
- Versatile & highly customizable
- Smartphone compatible
- Lowest TCO
- Real-Time Indoor Localization



Customers can use smart phone or puck

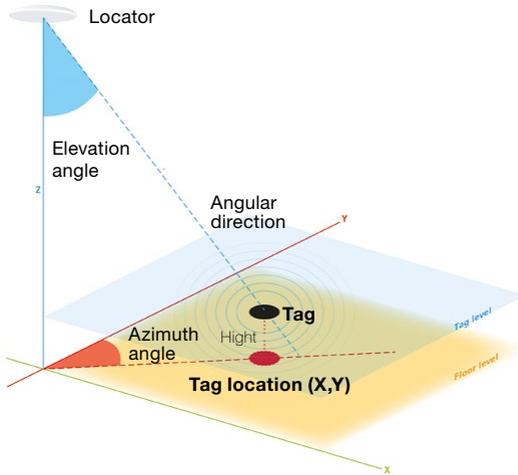
PLS - Locate | Automate | Interact

The PLS (Pyramid Location System) is a flexible and open localization and automation system for location based services. It delivers unparalleled, highly accurate indoor positioning - in real time (RTLS). In contrast to other Bluetooth BLE based beaconing solutions, PLS measures the exact location of a tag device or smartphone by Angle-of-Arrival method, which results in a 6-inch positioning accuracy.

Additional PLS offers an innovative mechatronic dispensing unit helping to automate sales or service processes on highest level of automation.

The systems hard- and software components are immediately ready to use and enable your business to introduce location relevant services and applications.

AoA Signal Processing – Unrivalled accuracy robustness



The Pyramid Location System processes the direction of a radio signal transmitted by a BLE Tag or “puck”.

This method ensures the accuracy of measurement is always between 6” and 10” irrespective of the distance or elevation of the object.

Innovative Automation



The innovative mechatronic dispensing unit helps to automate sales processes.

It is easily integrated in digitized environments and enables highest automation with binding positioning information to data of sales or services processes.

Smart Voice Table Service

PLS provides a skill for Amazon Alexa. This skill can access all real-time information of the PLS system and provide positioning and order information via voice control: „Where is order number 42” „Add one Coke to table number 5”. Active actions are also possible: „Page order number 42.”



Use Case Retail & Stores

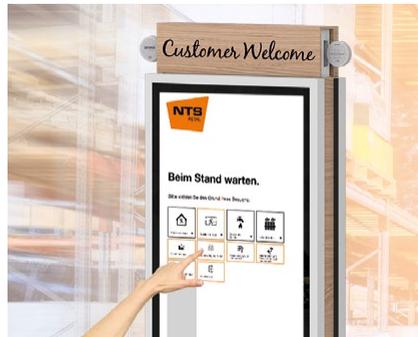
Welcome your Visitors and Customers

Step 1: Queuing in process



- Visitor gets waiting time displayed and starts check-in

Step 2: Registration



- Visitor picks one or more service topics and finishes check-in

Step 3: Automation



- Service staff is being informed of customers requested topic, check-in time and indoor position
- Visitor gets the matching localization tag

Step 4: Consultation



- Service staff finds customer and can advise him
- Customers value personal contact and being referred to by name

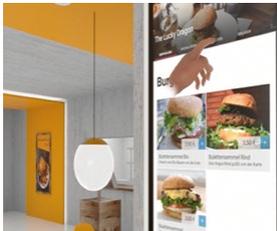
Use Case Hospitality

Increase Customer Convenience with highest automation

Increase your throughput and provide extraordinary convenience to your guests with PLS: The customer easily takes order and pay at the Pyramid self-order kiosk. The puck is automatically dispensed by the kiosk and the customer chooses a seat. The system recognises his location now in real time. As soon the order is ready the customer is served accurately at the chosen table. Within seconds!

This is how a futuristic restaurant works - your guests will be impressed!

Step 1: Order process



■ Order

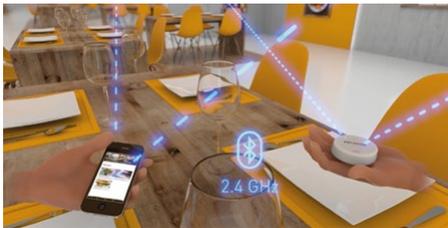


■ Pay



■ Customer takes puck

Step 2: Communication



■ Smartphone / puck sends signals



■ Receivers locate smartphone / puck

Step 3: Localization & service



■ Position of guest is being announced via Voice or POS



■ Waitress serves guest at table

PLS components - One system delivers all components



PLS pucks

Pucks are lightweight and Bluetooth low energy consuming tag devices. They can individually be printed in color. Pucks also support paging.



Table Tents

They are lightweight and unbreakable tags for guests or customers and table tents can individually be printed in realistic colors. .



PLS Antenna

The Receiver is discreetly and elegantly designed to fit well into any indoor environment. It is a compact and lightweight device, comes with an easy to use mounting bracket.



PLS Hub

PLS server hub receives data from the antennas and manages the data through the advanced positioning algorithms to provide an accurate location.



Dispensing unit

The innovative mechatronic dispensing unit helps to automate sales processes. It is easily integrated in digitized environments and enables highest automation with binding positioning information to data of sales or services processes.

Your Advantages with Pyramid Locating System PLS

■ Accuracy

- Position to 6 inches accuracy
- Real-time - 50Hz max update rate

■ Versatility

- Track any Bluetooth Low Energy-Tag
- Smartphone compatible
- Connectivity for IoT sensors
- Photorealistic printing for Puck
- Scales from presence detection, via proximity to pinpoint positioning
- Paging and positioning in one system

■ Scalability

- Lowest TCO of industry
- Easy to deploy
- Active monitoring
- Long lasting tags

To find out more:

www.pyramid-computer.com/pls or

www.pyramid-computer.com/32-passport-puck

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