



SETTING A LOCATION FOR EVERYTHING



# 5 direct benefits of indoor positioning *in real warehouse situations*



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**Real-time positioning data allows warehouse employees to get on with the job and focus on smooth everyday operations.**

**Here are five benefits that indoor positioning can bring directly to your work!**

## When global logistics hit problems, the home base has to be in order

Logistics is like the beating heart of the global import and subcontracting network where goods are traded and travel. The Covid-19 pandemic was a sudden shock to international logistics supply chains, and we are still seeing the consequences. Shipping has slowed down and prices have multiplied. Now if ever is the time to get your company's warehousing into shape so your home base is clean, no matter what happens internationally.



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Everyone is speaking about global trends, such as digitalization and data leadership. People want to analyse, improve and optimize things down to the last detail. But if we put all those fine terms aside, what does all this mean?

### Let's get practical!



#### Process improvement: **"We don't know where our goods are"**

Does this sound familiar?

***"We don't know where our goods are. If we knew which warehouse or storage location they were in, it would help us a lot."***

Do you do much stocktaking at your work too? Do people look for the same goods time after time? Do you make notes by hand that should be automated? Does first in, first out work? Warehousing and in-house logistics are very significant for business and they are directly linked to manufacturing costs. With indoor positioning, you never need to search for a single tagged product, machine or person.

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 IIWARI



**All development is based on  
measured data.**

***Improving the use of warehouse facilities will allow production to  
grow without increasing space.***



## **Leading with data: “We have to guess it again”**

Are your delivery times and stock levels a guess, yet again? Leading with data means that every decision is made based on proven numbers. Never by guesswork. Leading with data means understanding the facts and managing flows of goods. It means tracking stock levels and measuring every work stage exactly.

With indoor positioning, you can improve warehouse lead times and ensure small storage spaces can handle large volumes without interruptions. When you make picking more efficient, loads leave fuller and more quickly. Efficient shipments mean more satisfied customers. All this also makes your operations more environmentally friendly, as full loads mean lower overall emissions.



## **Measuring the right things: “We thought we were saving money, but it turned out expensive”**

Measurement is important. It is even more important to know what you measure and why. In good warehouse work, each day begins with measuring how the day before went. Is there anything that needs to be fixed? Precise information means you can immediately start work on areas for improvement.

The best measurements are practical and directly linked to the company's goals: turnover, reliability of supply, safety, factory productivity. And how do the figures directly linked to work, materials and general production costs look on the financial statements? Without smooth logistics, none of these can work.

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*Indoor positioning complements existing WMS or ERP by creating location information for goods, production equipment and forklifts and their changes in real time.*



## **Improving safety: “If only we could have less sick leaves...”**

When your company starts using indoor positioning, you can expect two kinds of effects on your employees' welfare. A worker who gets to work calmly and carefully is less likely to have accidents.

Positioning means an instant drop in the amount of unnecessary traffic and rushed situations, which means fewer accidents.

The other effect is less need for overtime. Indoor positioning helps you predict the exact staffing level you need, meaning there is always the right number of people on each shift. A reduction in overtime means a direct impact on the amount of sick leave.



## **Increased transparency: “Nobody understands our job”**

What if your warehouse never had to give frustrating situation reports to the bosses, the sales team, the production employees — or anyone else? All the company's systems should work together seamlessly. When the warehouse management system (WMS) and enterprise resource planning (ERP) communicate with each other and then you add indoor positioning, all the information is available to everyone right when it's needed, without questions.

Transparency both in house and with your partners can be a significant competitive edge and a revolutionary ease to practical work. Data allows warehouse employees to get on with the job and focus on what's essential: getting logistics done in the best possible way.



# IIWARI

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These situations in practical warehousing were reported by our customers in interviews with the *"Digitalization in indoor Logistics in Manufacturing"* survey in autumn 2021.

If you want to know more about indoor positioning in warehouse management and our solutions, do not hesitate to contact us.

[Contact us »](#)

***We make the invisible visible!***

*liwari Tracking Solutions Oy, a pioneer in indoor positioning, has its roots in the Technical Research Centre of Finland Ltd (VTT) and long-term ultra-wideband (UWB) research. liwari innovates in cost-effective network solutions and products based on UWB technology aimed at increasingly accurate and reliable indoor positioning.*