

Remedy for COVID19-caused information gap in the warehouse:

Smart bins in the small parts warehouse: TeDaLoS' patented intelligent "weighing technology" with included European Cloud is now available with a universal sensor for small parts storage bins and shelves.

Corona-related absences, plant closures, home offices and supply shortages have led to an information gap in materials management globally. Stock levels need to be cut in order to save costs, availability must be ensured, the responsible employees are in home office and/or on short-time work. The risk of production standstill, poor delivery capability and delayed maintenance work due to missing materials in the warehouse increases, as the physically available stock corresponds less and less with the theoretical data in the inventory management system.

Retrofitting an intelligent warehouse without lead time

The universal sensor "Industrial small" fits containers from 12x17 to 30x40 cm, as well as goods stored loose in the manufacturer's carton (e.g. yard goods, individual packages, etc.).

The sensor units continuously measure the content weight of the container, but are wireless and fully mobile. This achieves optimised material management by means of single-bin Kanban, in order to save space, material and process costs, as the container contents are continuously recorded with piece-by-piece accuracy. With a dead weight of just a few grams, the sensor unit can optionally be attached to the container - so that you do not miss any material removals in intralogistics and at the assembly station.

The sensor units have a unique ID and are not permanently connected to the storage location. This means that every warehouse and every material group can be retrofitted and the technology can still be positioned flexibly.

One-Stop Solution

The integrated intelligence and radio technology is controlled via the TeDaLoS Cloud, a multilingual European online software. There is no need for local IT or network integration of the hardware. The cloud software is GDPR-compliant and displays to you, and if desired also to your customers or external parties, the physically available quantities and historical stock changes in your units of measurement and your article and cost centre designations. The integrated report and alarm function ensures that you are informed earlier and more accurately about demand for reordering. Standard programming interfaces allow you to transfer business-critical data into your IT system (ERP, WMS, etc.).

One size fits all

You have complete freedom and flexibility, no matter which containers you already use - even if you change container format or manufacturer in the future. One TeDaLoS design for all small parts container types means protection of your investment. With a maximum load capacity of 40 kg, even demanding product groups can be handled. The only maintenance part is the battery, which you can replace yourself after several years. The energy range can be checked continuously in the cloud software.

Exciting added values result from the temperature and motion detection integrated in the sensor units.

No IT know-how

Thomas Tritremmel, MD of TeDaLoS, emphasizes: “Like all TeDaLoS sensor units, the ‘Industrial Small’ follows the credo ‘Simple, simple, simple’.” There are no switches, plugs, buttons, displays, programming interfaces. Within a few minutes you put the hardware into operation yourself - without training. You assign your material, cost centre and reorder threshold online from your workplace, from your home office or mobile on your smartphone.

You decide who is informed, when and about which material groups, who is allowed to view a real-time inventory online and who is alerted when the reorder point is reached. All without installing any network technology, software or app.

From 5 grams to 1.5 tonnes

TeDaLoS sensor technology can record all your material groups – there are available sensor units for small parts warehouses with an accuracy of a few grams to material on standard pallets or liquid containers up to 1.5 tonnes.

You constantly get data of the physically real quantity in the storage box, on the pallet, in the barrel or shipping tank. The measurement of the content quantity not only at inventory points means for you:

- Independence by elimination of manual logging
- Reduction of reserve stocks
- Loss detection
- Root cause recognition
- Freeing up storage space
- Reduction of the effort required for the ongoing recording of stocks
- Inventory Counts at the push of a button
- Inventory measurement even during intralogistics
- Inventory measurement across company borders.
- Reporting points not only at container level
- Optional automatic replenishment ordering

More details at <https://tedalos.net/?lang=en>

References and best practice at <https://tedalos.net/references/?lang=en>

Typical applications and before+after reports: <https://tedalos.net/?lang=en&s=customer+use+case>

Please send all enquiries to:

office@tedalos.net

Tel. +43 (0)1 890 981 5



