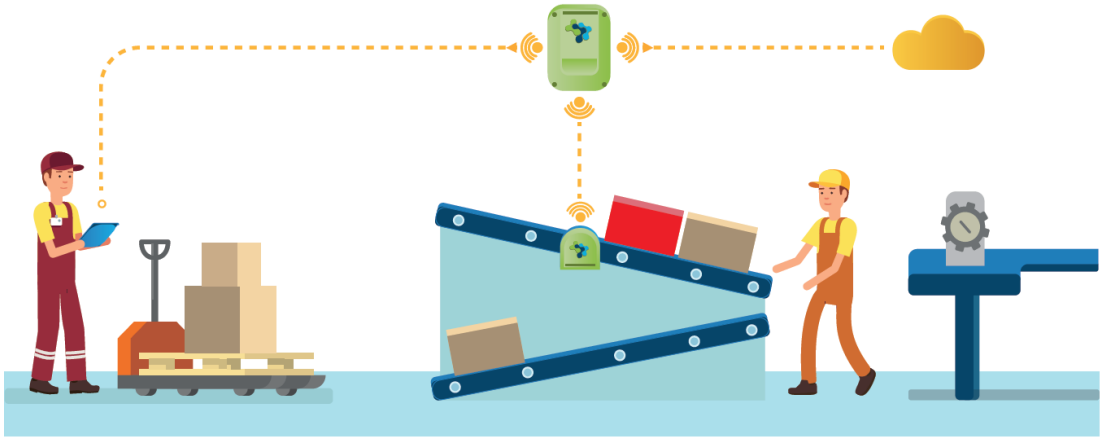
Kanban 4.0

“Feels and manages the factory in real-time”

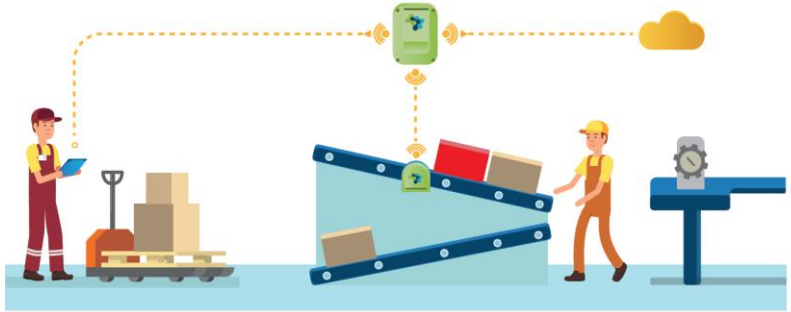


maccion

Kanban 4.0 Smart system for logistics management

Kanban 4.0 is the platform to **lean the work processes** and improve the efficiency of the material supply chain.
https://www.youtube.com/watch?v=jCMONZHSS84

https://youtu.be/ECLmEbblheQ
https://youtu.be/g_QshCEWxT4



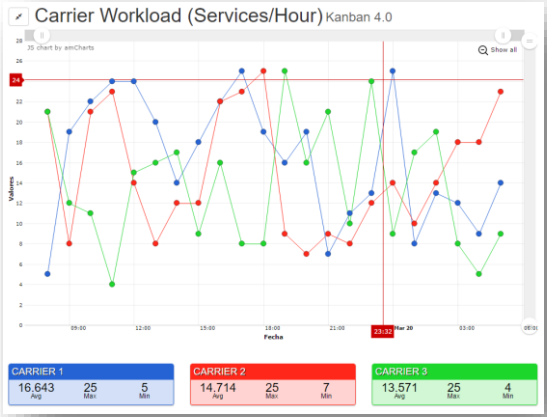
- ✓ **Automatic management** of Kanban calls
- ✓ Wireless sensors with **10 years of battery autonomy**

Kanban 4.0 Integral system for logistics management

- ✓ **Manual calls** for material replacements
- ✓ Delivery and production tasks **confirmation**

- ✓ Tasks assignation algorithm depending on the **carrier geolocation** and the current workload

- ✓ **Stock level** reports
- ✓ **Workload peak** detection



Kanban 4.0

SMAC100® Our Smart Sensors

- ✓ **Easy installation** to allow the configuration of the stock security level
- ✓ Detection of **container** position to manage the automatic replacement

- ✓ **Automatic detection** of a box in a certain position of the ramp to call material and detect that material has been delivered
- ✓ **… and 10 years of battery autonomy!**

Kanban 4.0

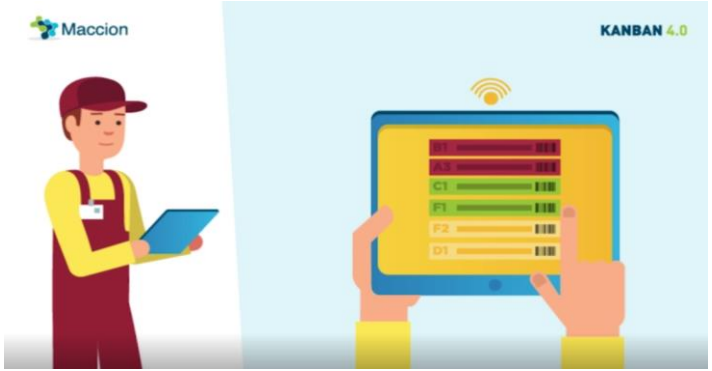
Bicaptor® Our platform for data acquisition

Sensors *are installed in material locations to detect if a Kanban call needs to be triggered*

Information *is transferred all over the plant through a secure protocol*

The ***Server*** *stores all the events as Big Data and manages the material supplies*

Kanban 4.0 Integration with SAP and other ERPs



- ✓ **Kanban 4.0® notifies to SAP** to add material calls that are triggered so they can be managed for customers systems

- ✓ Production manager software may notify Kanban 4.0® for an **authomatic configuration of the production changes** in a working station

Kanban 4.0 Benefits

Kanban 4.0 will help to check and improve the cost structure

✓ **Lead time reduction**: The automatic detection and the management of the most efficient call will reduce the response time of the service in more than 50%

✓ **Stock level reduction**: If the lead time is reduced the safety stock level can be reviewed and reduced in more than 40%

✓ **Analytics for the logistic processes review**: “As we measure, analyse and apply changes within the same platform the **continuous improvement** cycle will be faster”

Kanban 4.0

Customers

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