Erlangen (visitable at short notice)

SMART VOLUME MEASUREMENT

*Plug & Dimension solution for logistics -
efficient measurement of freight volumes*

SUMMARY

MetrixFreight measures freight quickly and efficiently, thus creating an interface between the digital and the real world. The system establishes the data basis for optimizing the storage and/or transport of goods. As well as actively supporting employees in this regard, the smart measurement system also helps to cut the number of trucks and thus CO_2 emissions.

CURRENT SITUATION

An elementary problem in logistics is that it has not been possible so far to record volume data across the board in a streamlined process. This is the only way to record the necessary data for process optimization.
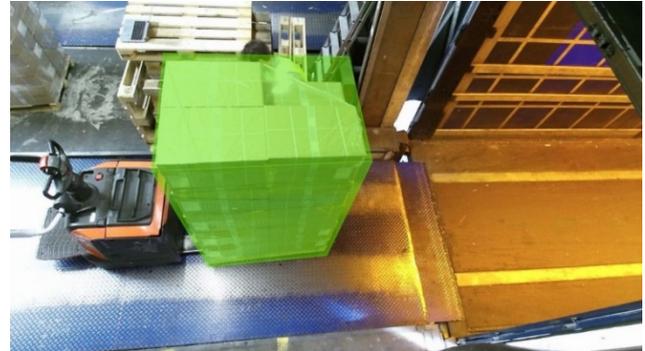
PROJECT DESCRIPTION

MetriXFreight offers enormous potential for the entire logistics sector and is capable of generating efficient but socially compatibly growth. The system is already being used. These implementations have not just made life easier for employees – MetriXFreight also delivers significant environmental benefits. MetriXFreight makes it possible to save on packaging and filler materials, for example. In addition, it cuts the number of transports and thus CO_2 emissions by loading freight space more precisely and using it more efficiently.

REFERENCES

https://www.youtube.com/watch?v=PRpY80y0P2c

www.metrixfreight.de

PARTNERS

SOLUTION

Metrilus has developed a software product that records the necessary data for digital freight processes quickly, simply and cost-efficiently with the help of standard hardware. The system records the volume of items in just a few milliseconds. This makes it possible to determine how much space the items will take up in a truck, for example. MetriX cannot and will not replace real people. It does however offer them support to make their daily work easier and above all to relieve them of their more strenuous activities. The clear visualization of the measurement (green cubes in the picture) makes it easier for employees to use the technology, thus enhancing their job satisfaction. Fast, automatic recording of this data enables the data-driven optimization of processes through learning systems and artificial intelligence.

CONTACT

Dr. Christian Schaller
Metrilus GmbH
christian.schaller@metrilus.de

INDUSTRY 4.0 FEATURES

Logistics processes can be implemented more efficiently and in a more user-friendly manner with AI and other technologies. The resulting CO_2 saving is measurable.

STANDARDIZATION APPROACHES

Interoperability with production systems (ERP, goods) and exchange of information with semantic models is desirable. This is not fully standardized at the present time.