



## **IFOY Test Report: MOBILE EASYKEY, FFZ-KPI**

### **Category: Intralogistics Software**

The Industrial Truck, in German Flurförderzeug (FFZ), Key Performance Indicator, or FFZ-KPI for short, from the company Mobile Easykey enables the fleet efficiency of the intralogistics fleet to be determined at a glance. The prerequisites for this are a clear key figure and the easy-to-read visual traffic light system.

The FFZ-KPI is made up of four measurement parameters that are calculated together in an algorithm. The following are taken into account: the industrial truck is powered up, the industrial truck is logged on, the industrial truck is in use and the industrial truck is being driven with a load.

50 percent of logistics costs are based on the processes in a warehouse, and thus the industrial truck fleet also contributes a large share of the costs incurred there. The FFZ-KPI provides a manufacturer-neutral view of the performance of the fleet. It is manufacturer-independent, comparable and can be calculated on variable requirement parameters. When collecting the analysis data, the industry and the cycles of the processes on site are taken into account - because the process flows of a warehouse created on the drawing board vary greatly from warehouses that have grown organically. Reliable data can be collected per shift, per month, per fleet and also per vehicle or vehicle type.

From the collected data, clear conclusions can be drawn for fleet optimization and future fleet deployment. Fleet managers and those responsible for the fleet can thus see the overall performance of the fleet at a glance. This is an important building block for making optimum use of the existing intralogistics fleet.

The FFZ KPI is based on the cross-industry OEE figure. This reflects the overall equipment effectiveness as a key business figure. The OEE figure is based on immobile plant and machinery. The FFZ-KPI adds further calculation parameters to the OEE key figure, which makes the key figure calculable for mobile plants.

**IFOY test verdict:** Intralogistics account for half of logistics costs and almost no warehouse can do without industrial trucks. However, the costs within intralogistics outside of the supply chain are often neglected because meaningful and clearly assignable data are missing. Consequently, there is great potential for savings in modern and efficient fleet management. The main advantages of the Industrial Truck Key Performance Indicator are the manufacturer-independent data and the possibility of cross-manufacturer data analysis. In addition, the KPI is easy to read due to the visual traffic light system. This makes the time-consuming analysis of Excel tables and individual parameters a thing of the past. The FFZ KPI is based on the OEE as an industry indicator for production plants. With the hardware and software developed, Mobile Easykey has expanded this industry indicator for mobile machines and created a novelty in intralogistics analysis with the KPI. Another important component is the cross-industry use of the KPI.