Digitalised material flow – with eKanban and tracking of mobile load carriers

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 At the LogiMAT, steute will be presenting a system which promotes material flow transparency and thus more precise (requisition) control. A wireless network on the shop floor employs special sensors to detect when a box is removed from an eKanban rack. Other types of sensor detect pallets or individual packages on pallets, while yet others are installed in tugger train and dolly "stations", recording the path of components and containers within

the assembly area.

All signals – resulting in a digital and complete visualisation of the material flow – are transmitted wirelessly to a Sensor Bridge, which in turn communicates via an interface with superordinate IT systems for material flow management (ERP, PPC, WMS…).

This leads to truly uninterrupted information flow, providing transparency from the supply of parts to the materials stations and "supermarkets" to the assembly points. Thus sWave.NET - as this wireless and sensor-based system solution is called - not only represents a requisition system which is tailored to individual needs without bottlenecks or excess stock; it also provides users with a data set allowing them active, improved and continually optimised control over material flow.

Last but not least, sWave.NET is a platform facilitating the control and organisation of additional functions – for example the transfer of containers from stationary conveyors to automated guided vehicles (AGV), the operation of signalling columns or stack lights, as well as the integration of Andon buttons for manual consignment. For these and other applications, pre-configured software modules are available.

The latest developments within the sWave.NET wireless network will be presented by steute at the LogiMAT, with the focus on eKanban applications and dolly/tugger train monitoring.

steute at the LogiMAT: Hall 5, Booth D 45