



# ASSET ANALYTICS

## TRANSPARENCY BEYOND BOUNDARIES

Localization solutions

**SICK**  
Sensor Intelligence.

Logistics processes in the field of warehousing and manufacturing are subject to a constant striving for efficiency. The goal: Reducing costs and raising the quality of sequential processes. For decades, SICK has been assisting customers in a wide range of sectors in identifying objects in automated areas, and is now also enabling the monitoring and evaluation of the material flow in partially- and non-automated areas with indoor localization and Asset Analytics.

With a powerful and proven portfolio of code readers and RFID read-write devices as well as other identification solutions, SICK is an established partner for identification and object tracking in automated areas, e.g. conveying systems.

A new localization system based on ultra-wideband technology (UWB), consisting of UWB tags and receiving antennas, now ensures that the valuable information of where which goods are currently located is now available even in partially- and non-automated areas.

The optimally coordinated components make it possible to reliably trace the objects and provide complete transparency in the material flow, from the beginning to the end of the logistics chain. The data collected and merged by the system is also available for analysis thanks to the Asset Analytics platform developed by SICK, thereby enabling the optimization of production and logistics processes.



Identification solutions



Localization



Asset Analytics

### Data recording systems

Identification and position and status detection in all areas of intralogistics and production logistics using identification and localization solutions as well as additional SICK track-and-trace systems.

→ See [www.sick.com/industries](http://www.sick.com/industries)



### Identification in automated areas

Identification of objects using 1D or 2D vision sensors and RFID read-write devices, e.g. in conveying and sorting systems.

→ See [www.sick.com/4dpro](http://www.sick.com/4dpro)



### Tag-based indoor localization in partial- and non-automated areas

Position detection of objects indoors using UWB tag and UWB receiving antennas (LOCU).

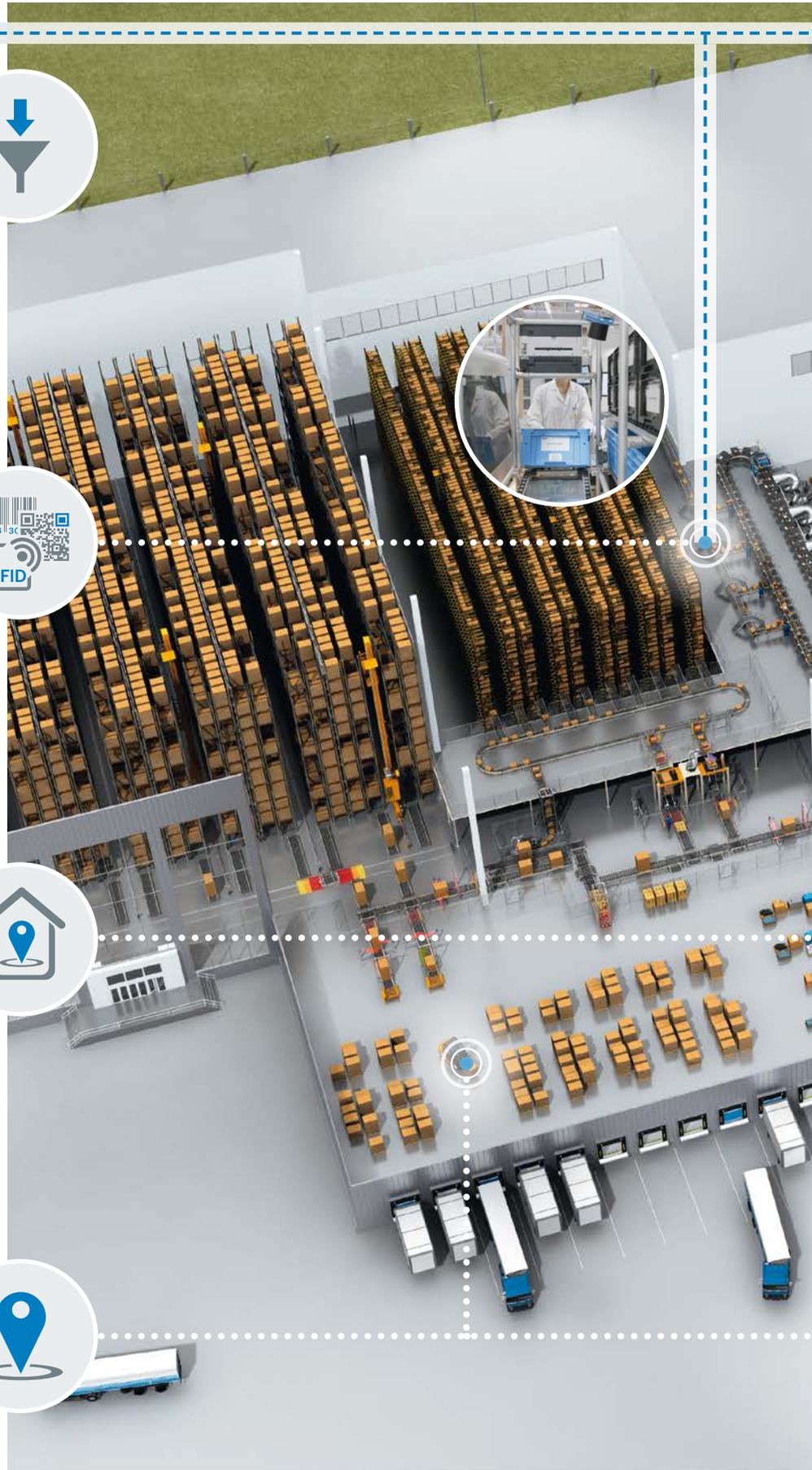
See LOCU flyer, 8024041

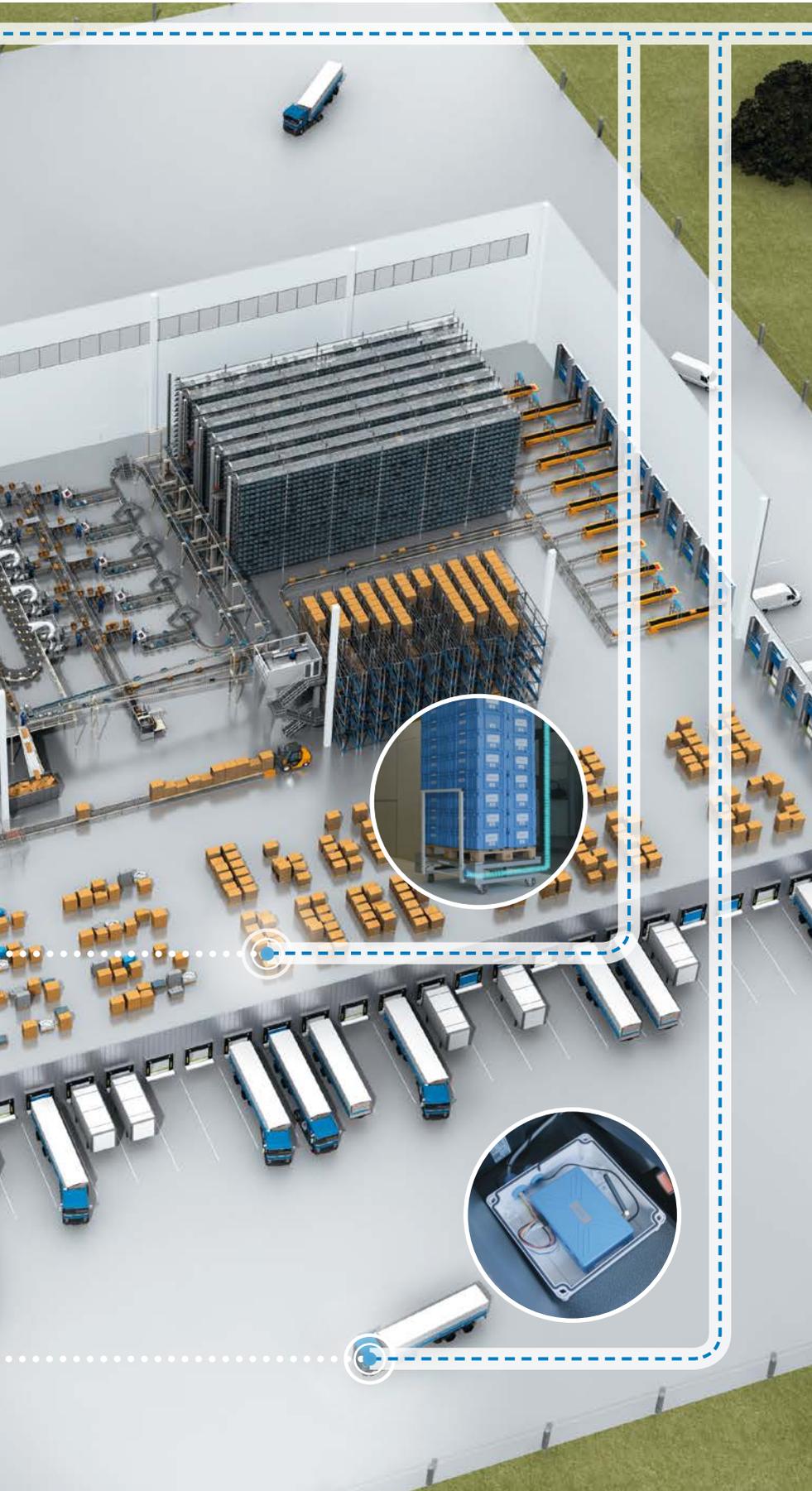


### Tag-based localization in partial- and non-automated areas

Position and status detection of vehicles and industrial trucks both in- and outdoors as well as the fusion of position and sensor data with the TDC-E.

→ See PI TDC-E, 8021458



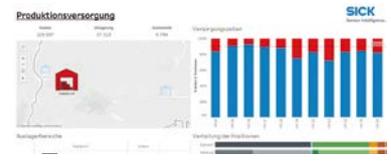


## Asset Analytics



Adjustable platform for the visualization and analysis of the position and status data recorded through the SICK systems as well as automated initiation of user-defined actions.

→ See [localization.sick.com](https://www.localization.sick.com)



## Data visualization



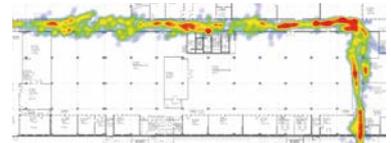
Clear representation, for example of current object positions, position and status information as well as additional sensor information in real-time.



## Data analysis



Processing of recorded data, for example for the simplified analysis of routes and transport- and down-times as well as for the derivation of potentials for optimization.



## Event management



Automated initiation of user-defined actions such as messages via SMS or e-mail, for instance when reaching or leaving pre-defined geo zones.





8024009/2019-02-07 • SIKOM/ITL (2019-02) • Subject to change without notice

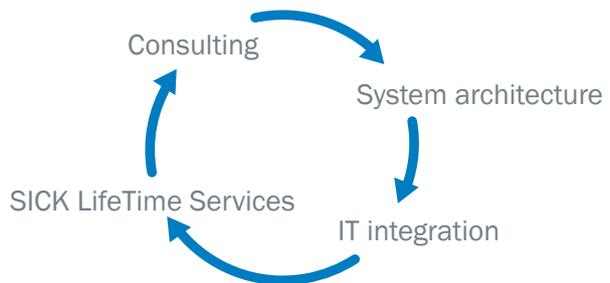


## Transparency beyond boundaries

Asset Analytics provides decisive added value to the identification and localization solutions from SICK as it collects the data recorded by the hardware components, merges it and provides it to the user for further use.

The technology-dependent platform therefore enables a clear representation and intelligent evaluation of information as well as the derivation of additional possibilities for optimization in processes. The platform, which can be adapted to the needs of the user using various interfaces, can be operated on a local server, in a user-specific cloud or one provided by SICK.

## Everything from a single source



Technology-dependent consultation, the design of total systems, the integration of IT components into existing customer systems as well as SICK LifeTime Services round out the efficient Asset Analytics services.

## INCREASED QUALITY AND EFFICIENCY WITH ASSET ANALYTICS

- ✓ **Complete transparency** of all important movements of assets and goods
- ✓ **Minimization of search times** through the query of object positions in real-time
- ✓ **Calculable provision** of resources to prevent downtimes
- ✓ **Simple automation** of tasks using provided interfaces
- ✓ **High flexibility** even in complex environments with data fusion