# Creating specific SensorApps in a data flow

**Waldkirch, June 9, 2020 – Create individual SensorApps on your own–without programming skills–and solve new automation tasks, easily. Starting at the end of the year, this will all be possible in the SICK AppStudio, part of the SICK AppSpace eco-system.**

“Automation concepts are rarely standard”, explains Dr. Timo Mennle, SICK AppSpace Strategic Product Manager at SICK AG. Even if you are supposedly dealing with a standard problem, additional configuration and customization work is required for many projects. These are details that could quickly result in higher costs and delays during installation. SICK customers can create their own individualized SensorApps to solve individual sensor applications — without having to program anything.

**SICK AppSpace opens doors**

In the SICK AppSpace eco-system, programmable sensors and edge devices can be configured for new tasks using SensorApps. Many apps are already available for download via the SICK AppPool. For specific applications, SensorApps can also be used independently by the customer and developed together with SICK experts with the support of a developer community. Until now, basic programming skills were required to generate your own SensorApps in SICK AppStudio.

With a new graphic interface in SICK AppStudio, users can now solve specific sensor applications even without programming skills by configuring and linking pre-defined function blocks in a data flow. The starting point is always figuring out what the sensor has to do: “If a customer wants to differentiate between and count deodorant bottles using the cap color, he creates a data flow from function blocks existing in a library. After every step, he gets a preview of the result and can adjust the configuration right away”, says Mennle of the creation process. Thanks to the open architecture of SensorApps, there is still the option of adjusting the source code of function blocks to implement more challenging applications and individual requirements.

**New SensorApps for the AppPool**“By graphically processing data flows, we create the foundation for a larger target and user group. Then more users can take advantage of this for their applications”, says Mennle. The rising demand for new and adapted function blocks can be satisfied from our growing community of developers. The diversity and possibilities of the SICK AppPool are growing, as are the fields of application of sensors and sensor systems.

**Image:** AppSpace\_Application\_2-300 dpi  
**BU:** There’s no standard application? No problem! You can create specific applications on your own in SICK AppSpace.

**Image:** flow.png  
**BU:** A data flow composed of function blocks

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SICK is one of the world’s leading solutions providers for sensor-based applications in the industrial sector. Founded in 1946 by Dr.-Ing. e. h. Erwin Sick, the company with headquarters in Waldkirch im Breisgau near Freiburg ranks among the technological market leaders. With more than 50 subsidiaries and equity investments as well as numerous agencies, SICK maintains a presence around the globe. In the 2019 fiscal year, SICK had more than 10,000 employees worldwide and a group revenue of around EUR 1.8 billion. Additional information about SICK is available on the Internet at [http://www.sick.com](http://www.sick.com/) or by phone on +49 (0)7681202-4183.