



Dear Partners,

*In order to create the best and most progressive solutions for the buildings of the future, we are always breaking new ground with you. This includes our Internet of Façades with the IoF ID that will be on all Schüco products in the future. There is a lot going on behind this unassuming tag. The small QR code takes you to the digital twin of the unit.*

*We believe that information makes buildings better! In this brochure, we will show you why you should take this step with us and how we can support you.*

Best wishes,

Andreas Engelhardt  
Managing Partner & CEO

# IoF ID in serial production



## From the IoF ID to the digital twin

The Schüco IoF ID gives windows, doors and façade units a digital identity. It means that building components can be identified uniquely, located and linked automatically to all of the information and documentation associated with the product. For example, the IoF ID provides information about materials installed, the carbon footprint, warranties, CE documents or the maintenance history. All of this information can also be shared at any time. This saves time and money, and creates complete transparency. Which handle was installed? What maintenance work was carried out? How can old components be recycled? All of this information is available in the digital twin and can be tracked anytime, anywhere.

## Digital twin in serial production

The IoF ID is an important step towards a digital building envelope and makes daily work considerably easier for our Schüco partners and all the different trades that are involved with a building and the units installed. That is why Schüco products will be fitted with an IoF ID as standard from 2025. This includes all fittings articles that have been installed in the unit and covers almost every Schüco system. The ID, with its new design, can primarily be found on cavity-fitted gearboxes and locks.

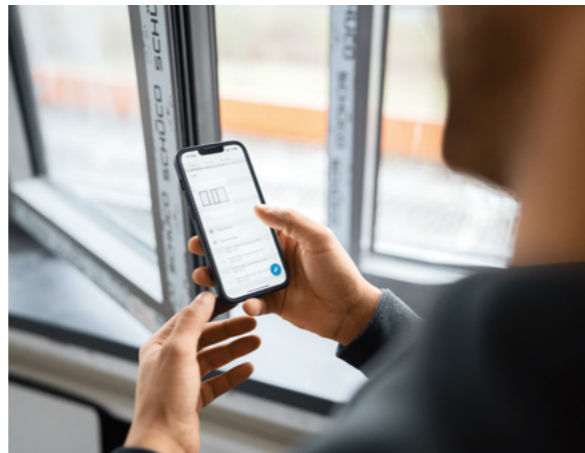
SCHÜCO TALKS TO  
**Andreas Grimm,**  
 Managing Director of Dallwig GmbH

»» *For us at Dallwig, loF means transparency, efficiency and sustainability.*



**DOCUMENTATION** → **Why are you using the loF ID?**

← As part of our monitoring of installation quality, the loF ID helps us to document the condition of the building. We upload images, for example showing wall attachments and the type of installation. The ID also gives us about information about building progress because we know that the unit has been installed if the installer locates the loF ID.



**EASY TO USE** → **What is the benefit for you of loF?**

← We have worked previously with our own ID, i.e. with our own labelling of our units. This really helped us to advance, but with the link to SchüCal and the simple export of the digital twin, we now have a lot more information available about each unit than we had with our own system.

**SERVICE & MAINTENANCE** → **How does loF help you once the project has been completed?**

← As a company, we have always been strong on service. Our customers see us as providing help across windows, doors and façades. It saves our service engineers on site an enormous amount of time by being able to identify the spare parts using the loF ID. Where repairs are required, we can then respond quickly, order the right spare part and carry out the repair for the customer.



**RECYCLING / LIFE CYCLE / SECOND LIFE** → **What added value will loF bring in the future?**

← Aluminium is an ideal material for building units due to its longevity. With the loF ID, we can now generate a digital twin and show the materials fabricated and the associated CO<sub>2</sub> via the connection to SchüCal. It means that subsequent generations can access this information when the building units or the building structure reach the end of their life and decide whether these resources are used for future building projects.



# + Benefits at a glance

**All the information in one place**

- Straightforward provision of the relevant documents for a unit (CE, maintenance, components, etc.)
- Proven sustainability values (EPDs, carbon footprint etc.)
- Documentation on absence of defects

**Easier maintenance and repair**

- Transparent service and maintenance history
- System for digital service notifications
- Maintenance cycle can be set for specified intervals
- Identification of articles in the building – no search for repeat order articles

**Three components**

- The loF ID is pre-installed on each unit or retrofitted to existing units.
- All of the information can be read off directly at the unit via the loF app.
- The loF Manager provides a complete overview of all the units and the building, even from the office.



loF in use at Dallwig GmbH – watch the whole interview in the video



# How do you get the data onto the IoF ID?



Creating the digital twin is the most important step. This does not require a lot of extra work, just three simple steps during production.

- 1 After the calculation, the project data in SchüCal or Logikal is transferred to the IoF cloud via an export button.
- 2 In job planning, you have the option to add further information, such as operating instructions, in the IoF Manager web app.
- 3 In the workshop, link the IoF ID to the digital twin via a hand-held scanner or a mobile end device.



In the **Schüco Academy**, we have put together a training course with all of the information about the IoF and creating a digital twin:



In addition to the preinstalled IoF ID, there is the possibility with the previous version to retrofit a digital twin for existing units.