



Digital logistics

M2M by SFS: automated inventory management



The SFS Group

Inventing success together

SFS is a specialty manufacturing company with a Swiss heritage and over 20 market organizations and 10,000 employees across Europe, North America and the Near, Middle and Far East; directly supporting customers in the areas of:

- Precision formed parts and special fasteners for architectural, aerospace, automotive, electronics and capital equipment markets
- Mechanical fastening, rivet technology and hinges for the building construction sector

The alignment to the needs of our customers has characterized the culture of SFS since 1928. With customized solutions we contribute towards the competitiveness of our partners and therefore create customer benefit.

Automotive



Construction



Aircraft



Medical



Electronics



Logistics



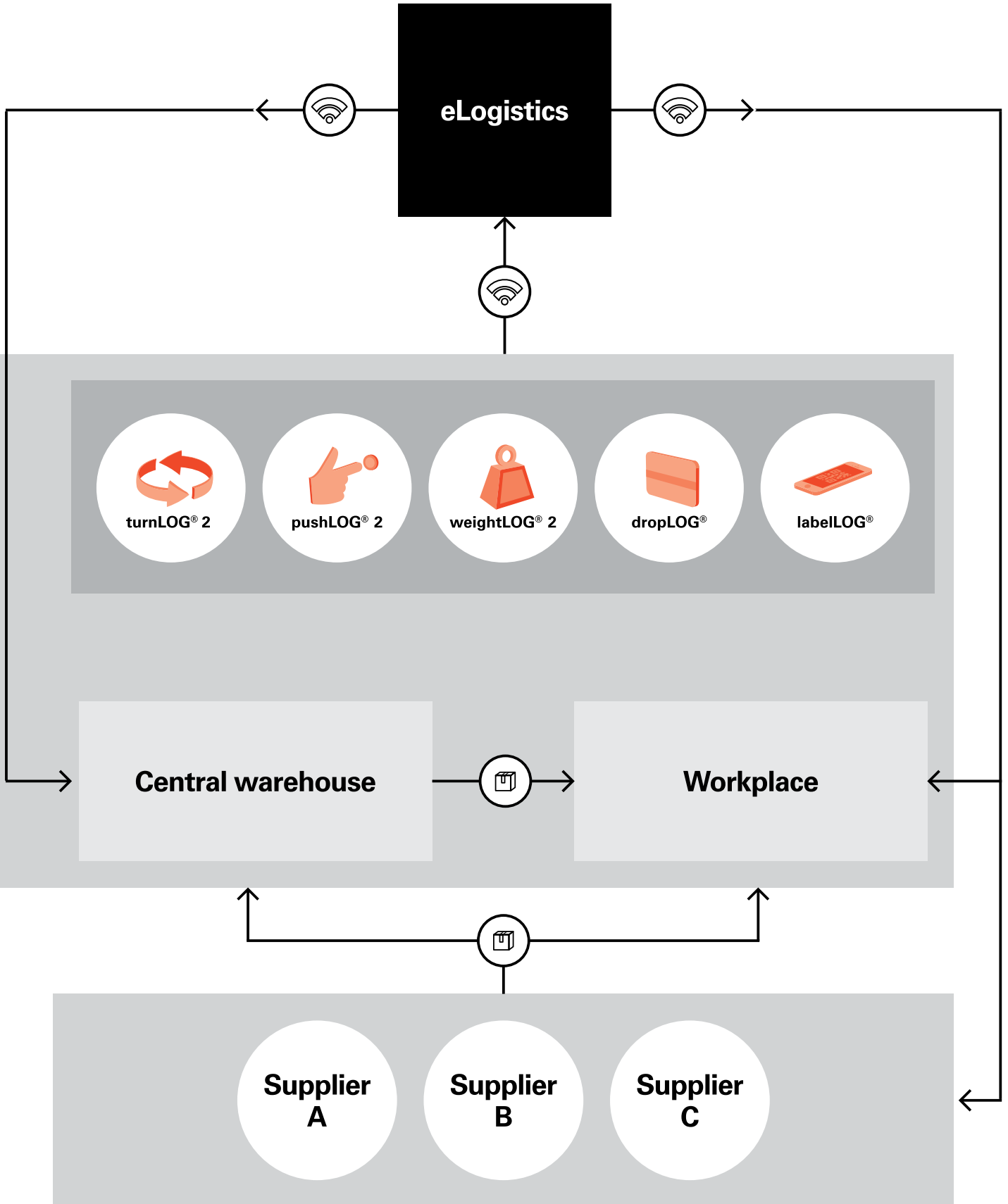
Procurement with SFS eLogistics

For all your suppliers

Regardless of the industry you work in, with our eLogistics platform all suppliers can be integrated into one single inventory management system. Alongside the external inventory management this system can also be used for your intralogistics. eLogistics can assume communication between the site and central warehouse or between various production stages.

Customer





System comparison

turnLOG® 2



Advantages and benefits

- Simple order triggering by turning the container
- Can be used in existing storage infrastructure
- Management up to the installation site
- 10 years maintenance-free
- Order status can be viewed any time

Function

The order is triggered if the divided container is turned in order to access the reserve supply.

Categorization

Level of automation
Range of applications
Costs



pushLOG® 2



Advantages and benefits

- Order triggering at the touch of a button
- Ideal solution for bulky material
- Can be used everywhere
- 10 years maintenance-free
- Order status can be viewed any time
- Administer all items via one system with eLogistics

Function

The order is triggered if the pushLOG® button is pressed.

Categorization

Level of automation
Range of applications
Costs



weightLOG® 2



Advantages and benefits

- Fully automated order triggering
- Flexible use – in racking or the workplace
- Allows automatic inventory
- 10 years maintenance-free
- Order status can be viewed any time
- Administer all items via one system with eLogistics

Function

The order is triggered if the container content goes below a predefined weight.

Categorization

Level of automation
Range of applications
Costs



dropLOG®



Advantages and benefits

- Simple order triggering with NFC card
- Ideal for items in cupboards, drawers or at the workplace
- 10 years maintenance-free
- Administer all items via one system with eLogistics

Function

The order is triggered if the NFC card touches the dropLOG® tag.

Categorization

Level of automation
Range of applications
Costs



labelLOG®



Advantages and benefits

- Simple ordering with smartphone or QR scanner
- Also suitable for ranges by third-party suppliers
- Status display with changing label
- Can be used everywhere
- No additional hardware required
- Affordable solution

Function

The order is triggered if the QR code is scanned with the logistics app and the order is confirmed in the app.

Categorization

Level of automation
Range of applications
Costs



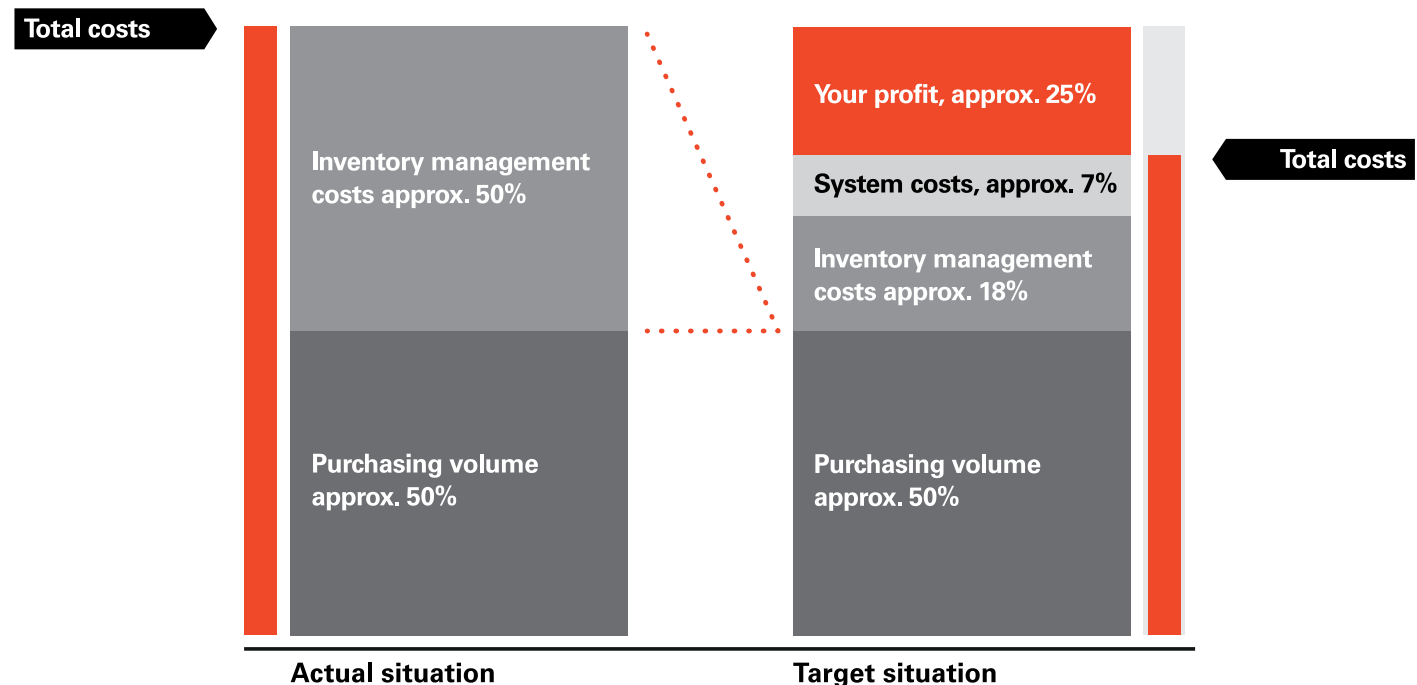
Process cost optimization

How big is your savings potential?

Following a comprehensive analysis of your individual procurement situation, we will develop a logistics concept with various options for you. The overarching aim of all measures proposed by SFS is to sustainably reduce your inventory management costs. The bottom line is you will realize a profit of at least 25% – immediately and perennially.

Advantages and benefits

- Process cost reduction
- Increased process reliability
- Supplier concentration
- Absolute transparency
- More time for revenue generating activities



The new tag

Centerpiece of all M2M solutions

The core of all new SFS logistics systems is the tag, also called Sensor. It takes over communication with the controller as well as with mobile end devices and shows you the delivery status at all times.

Video: M2M by SFS. C parts logistics for Industry 4.0



Status message on labels



The tag not only shows whether an order has been triggered, but whether the delivery is already under way.

Autonomous detection of new labels



Thanks to NFC technology the tag automatically recognizes new labels and notifies the system of the changed item.

Express order



With the function card the delivery of an already triggered order can be accelerated.

Integration of mobile end devices



With the smartphone or tablet, thanks to the SFS Logistics app, item information and order statistics can be called up.



turnLOG® 2



Turned, ordered, delivered!

turnLOG® 2 provides all the advantages of the internationally awarded previous version - and many others! The system is no longer tied to specific racking, and will function in your existing warehouse. Thanks to bi-directional communication, you will not only see whether an order has been triggered, but also whether the delivery is already on its way to you. The many features of the new tag make it possible, amongst other things, to transfer item and order information directly to your smartphone or tablet.

"The professional project cooperation convinced us and the low space and capital requirement inspired us."

Markus Schneider, Head of Operations, Menzi Muck AG



Advantages and benefits

- Simple order triggering by turning the container
 - Can be used in existing storage infrastructure
 - Management up to the installation site
 - 10 years maintenance-free
 - Order status can be viewed any time
-



Video: turnLOG® 2
in use at Menzi Muck





pushLOG® 2



Order at the touch of a button

The pushLOG® 2 system allows order triggering at the touch of a button and is suited both to classic C-parts and bulky items, which cannot be stored in containers. Thanks to the new button with a large trigger surface the 2nd generation system is even more comfortable to use. Furthermore, pushLOG® 2 offers all the functions of the new tag, such as feedback of the delivery status or integration of mobile end devices.

"The pushLOG® system helps us to bring peace to the entire company. Every employee knows which product they are to use and also that it is available in the warehouse."

Lukas Müller, joiner, ateBO AG



Advantages and benefits

- Order triggering at the touch of a button
 - Ideal solution for bulky material
 - Can be used everywhere
 - 10 years maintenance-free
 - Order status can be viewed any time
 - Administer all items via one system with eLogistics
-



Video: pushLOG® 2
in use at ateBO AG

weightLOG® 2



The fully automated ordering system

weightLOG® 2 triggers an order if the container content falls below a predefined weight. In the new generation the weight cells have been integrated into the container. weightLOG® 2 is therefore independent of the storage infrastructure and therefore still does not need an electrical connection. Furthermore, the system offers all the functions of the new tag, such as feedback of the delivery status or integration of mobile end devices.

"We decided on weightLOG® 2 because it is fully automated, but also because this gives us a very high transparency and a traceability of where we use products and how we use them."

Markus Schenker, Head of Procurement, Uster Technologies



Advantages and benefits

- Fully automated order triggering
 - Flexible use – in racking or the workplace
 - Allows automatic inventory
 - 10 years maintenance-free
 - Order status can be viewed any time
 - Administer all items via one system with eLogistics
-



Video: weightLOG® 2
in use at Uster Technologies





dropLOG®

The affordable solution for maximum flexibility

dropLOG® is an economic solution offering maximum flexibility. The card solution is versatile in application and is particularly suitable for articles stored in cupboards, drawers, or at the workplace. Orders are triggered when the NFC order card is brought into contact with the dropLOG® tag.

"Three advantages: firstly, our procurement department no longer has to manually trigger orders. Secondly, SFS delivers the goods right to our rack. And thirdly, our availability has become significantly better thanks to the safety stock."

Lucas Kaspar,
Manager EMS, Evatec



Advantages and benefits

- Simple order triggering with NFC card
- Ideal for items in cupboards, drawers or at the workplace
- 10 years maintenance-free
- Administer all items via one system with eLogistics



Video: dropLOG®
in use at Evatec



The label with the QR code

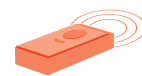
labelLOG® is a lean scanner solution which requires no tag or controller thanks to the new logistics app "M2M by SFS" and it can still be operated by third-party suppliers. Orders can be directly recorded and sent by smartphone or a special QR scanner. Thanks to the simple handling, the flexible changing label system and the low hardware costs, labelLOG® is also suitable for companies with minimal handling.



Advantages and benefits

- Simple ordering with smartphone or QR scanner
 - Also suitable for ranges by third-party suppliers
 - Status display with simple changing label
 - Can be used everywhere
 - No additional hardware required
 - Affordable solution
-





The practical scanner solution

mdeLOG® is a practical warehouse management system based on mobile data collection. With a handy input device the items are recorded via barcodes, transferred to the PC and delivered via the internet. mdeLOG® is an affordable solution that allows savings even in the smallest companies.



Advantages and benefits

- Up to 50% lower processing costs
- Easily multiplied logistics solution
- Quick and easy handling
- Optimized storage quantities
- Avoidance of order errors



eLogistics Plattform

Linking up the procurement chain

eLogistics is a universal software solution for complete modeling of the entire material and data flow in manufacturing and production. The order data of all SFS logistics systems converges in this database and is passed on to the correct recipients. Thanks to eLogistics, it is possible to link different processes together. The software can also be operated by third-party suppliers and customers via web interface.



Advantages and benefits

- Integration of third-party suppliers
- Reduction of procurement costs
- Highest data transparency
- Decentralized master data maintenance at the source
- Preparation and tracking of orders
- Reduction of complexity
- Monitoring of the connection and data quality
- Allows intralogistics



Video: SFS eLogistics platform



RETTEN



KAYSER
www.kayser.ch

PAKETTEN

SBB

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SFS Merchandising

Supply reliability thanks to all-round service

Merchandising, that is the complete merchandise management, from our central warehouse to your workplace. Meaning you have at least one less thing to worry about. Stock levels, delivery times, shipping orders, incoming and outgoing goods or returns – none of this will bother you any more thanks to our full service. Your goods are simply always available, your infrastructure intact and purchases precisely recorded.



Advantages and benefits

- Permanent availability
 - Reduction of process costs
 - More time for revenue generating activities
 - Minimal warehouse storage
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PCE

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Logistik

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SFS

Bestellung

"M2M by SFS" logistics app

Full control of all item and system data

With the new logistics app by SFS users of the M2M systems get access to all information regarding their SFS logistics system. Item data, order status, order history, sensor status and lots more data can be called up at any time on site. The app also makes it possible to trigger express orders, to process current orders or request item mutations. With labelLOG® the order process even takes place via the logistics app.



Features

- Compatible with turnLOG®, pushLOG®, weightLOG®, dropLOG® and labelLOG®
 - Connection to tag via Bluetooth or via EAN-Scan
 - Item data, order status and order history
 - Delivery status
 - Process current orders
 - Trigger express order
 - Request mutations
 - Call up system data (e.g. container weight with weightLOG®)
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SFS Group USA, Inc.
Division Construction
1045 Spring Street
PO Box 6326
US-Wyomissing, PA 19610

T 800-234-4533
us.construction@sfsintec.biz
www.sfsintecusa.com

SFS – Canada
40 Innovation Drive
Dundas, ON L9H 7P3
T +1 905 689 5401
ca.info@sfsintec.biz
www.sfsintec.ca