weasl
by iSAX

GUIDE DIGITALLY.
PRODUCE EFFORTLESSLY.

Worker guidance system weasl:
Capture knowledge. Reduce risks. Future-proof your business.
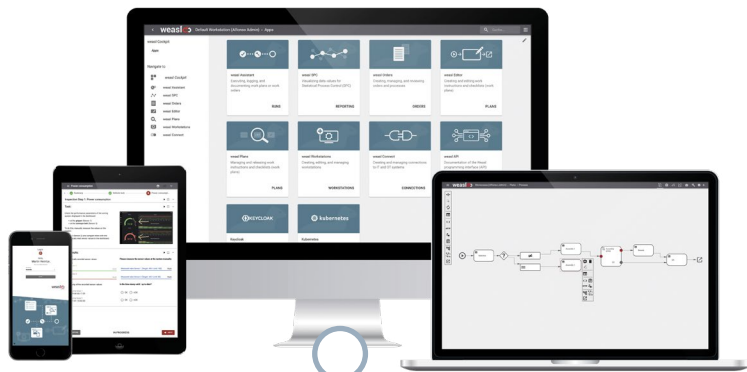
CONTENTS

EQUIPPED FOR THE PRODUCTION OF TOMORROW.

The challenge

Manufacturing companies are under massive competitive pressure. Increasing complexity, ever more individual customer requirements, high quality and safety standards and, last but not least, the shortage of skilled workers demand economical, sustainable solutions for production and assembly.

The solution

weasl is an end-to-end worker guidance solution that supports manufacturing companies in translating complex production and assembly processes into efficient work routines. With weasl you democratize expertise, create transparency in the production process and seamlessly integrate digitalized workflows into your value chain. In this way, weasl helps to secure your long-term competitiveness through digitalization.

Your advantages

✓ increase the effectiveness of production

✓ make complexity manageable

✓ avoid error effectively

✓ overcome the shortage of skilled workers

✓ secure competitiveness

Your benefits

-30 %
costs for external complaints

-50 %
time required for the creation of assembly orders

-50 %
time required for work preparation

-100 %
documentation effort

*Figures from our customer Alpha Verteilertechnik GmbH

CORE FUNCTIONS

Creating work instructions

→ images, videos, CAD, PDF, and much more
→ Drag-and-drop process editor
→ designer for work step visualization
→ release workflows and versioning
→ digital signatures

Digital worker guidance

→ skill-based work instructions
→ adaptive processes
→ input validation, process interlock
→ worker feedback

Connecting IT & tools

→ ERP and MES, CAQ system, PDC system
→ scanners and screwdrivers
→ test towers

Data collection & documentation

→ automatic documentation and verification
→ status and review of orders
→ recording of productive times
→ fault detection
→ recording and tracking of material
→ process / quality data collection

alpha VERTEILERTECHNIK GMBH · confovis · Daimler Truck · FORMFACTOR™ · SCHOTT glass made of ideas · SENSOPART · STAUDINGER WIR STEUERN DIE ZUKUNFT · 10⁻ mbar VACOM® · WEHN

Capterra 4.5

SMART PRODUCTION MADE EASY

WHAT CHALLENGES ARE YOUR EMPLOYEES FACING?

John | Production planner

„Products are becoming more individualized, production is becoming more dynamic. I have to react flexibly to changes, adapt instructions quickly and ensure they are up to date."

My challenges:

→ increasing complexity
→ inflexible creation of work instructions
→ complex document maintenance
→ constant need for adaptation
→ time pressure

What I want:

→ simple creation of work instructions
→ don't always start from scratch
→ ensure up-to-dateness
→ efficient workflows
→ low manual effort

Walter | Worker

„My tasks have become more complex and demanding. Experience alone is no longer enough. To keep up, I need a solution that supports me optimally and that I can work with easily."

My challenges:

→ complex work preparation
→ variety of variants
→ lack of information
→ unclear instructions
→ language barriers
→ complex documentation

What I want:

→ ONE system for everything
→ easy to use
→ the right information at the right time in the right place
→ the certainty to deliver at my best

Eva | Quality manager

„Between deadline pressure and quality standards, I'm often on my own. But I'm aware that every mistake I spot protects the product, the customer and sometimes even human lives."

My challenges:

→ subjective error detection
→ late error detection
→ missing quality data
→ scattered information
→ more and more regulations

What I want:

→ process reliability
→ complete traceability
→ real-time transparency
→ standardized logging
→ auditability
→ long-term quality improvement

Steven | Production lead

„I can't afford to lose any time. Production has to run smoothly so that we can meet deadlines and satisfy our customers. Despite the shortage of skilled workers."

My challenges:

→ fewer staff with more orders
→ increasing dynamics
→ deadline pressure
→ rigid processes
→ lack of transparency
→ non-value-adding activities

What I want:

→ make work easier for my workers
→ stay responsive
→ deliver on time
→ flexible personnel planning
→ make experience available to everyone
→ real-time insights

CHANNEL YOUR INFORMATION FLOW INTO CLEAR, DIGITAL PATHS

Technical drawings on paper, parts lists from the ERP, safety instructions from PDF files, old work instructions in Excel form – all this should be compiled into a consistent work instruction as quickly as possible. Simply let weasl bring the threads of information together.
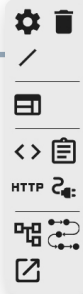
> *In iSAX, we have found a partner who can flexibly integrate our products into customer applications and implement our requirements in a solution-oriented manner. This makes us a good team for mastering the future requirements of smart production.*

Lars Grupe
Manager Industrial Engineering

SENSOPART

Work plan version: 6.0.0

Simple creation of work instructions

weasl has all the tools you need to **create everything** from simple checklists to complex processes. With the intuitive **drag-and-drop editor**, you can design each work step individually. Or you can create **templates** and speed up the creation processes. Thanks to the **seamless integration** of systems and automatic data exchange, you can easily enrich your work instructions with materials and parts lists from your ERP, for example.

Ensure up-to-dateness

With weasl, you can give your employees the **security of always working with the latest documents**. Update work instructions and roll out the latest version to the entire company **with just a few clicks**. The change history guarantees **transparency for all adjustments**. Release workflows with the n-eye principle can also be easily implemented in weasl.

Released

Never start from scratch again

In addition to the creation, weasl also offers you the **simple import** of your work instructions. Continue to use what you have laboriously created outside of weasl and **translate** existing instructions **into weasl processes**. Enrich digital instructions with a variety of **media**.

Consistent workflows

Rely on a **consistent system** for all process steps - from the creation of work instructions to testing, approval and versioning through to implementation by your employees. **Prevent media discontinuities** and make isolated solutions obsolete.

TEST
CHECK
APPROVE
REJECT

NO MATTER HOW COMPLEX THE TASK – YOU HANDLE IT WITH CONFIDENCE

You don't just complete orders. You need to handle every order with the right information, deliver top quality without errors, and meet all documentation requirements. weasl supports you by taking care of all non-value-adding tasks.

> " With a growing shortage of experienced and qualified employees, weasl is the lever to ensure assembly quality. "
>
> Elmar Reuter
> Retired Managing Director

alpha

ONE sytem for everything

weasl is **your co-pilot** for all work-related tasks. In addition to your work instructions, you will also find your personal or workplace-specific worklist in weasl. While you work on your processes, weasl **automatically documents your entries** and records data from connected systems and resources. **Modern feedback functions** are also available.

Feedback

Category ▼

Feedback ➤

📄 EXTENDED

The right information at your fingertips

Gathering information, scrolling through printouts, searching through an Excel spreadsheet – with weasl you can save yourself all this and be sure that all the **necessary information** is available **for each work step**. Comprehensive information such as parts lists or basic documents can also be **called up as required** at any time. weasl guides you through your tasks **according to your qualifications**.

« ✓ General information... ✓ Visual Inspection 🔧 Function testing ◯ Measurements »

The certainty to deliver at your best

Bad Part

weasl takes the pressure off you. And not just because it **relieves you of tedious secondary tasks**. It also **relieves you mentally**, because with weasl you can rely on clearly defined processes and error-free work. To achieve this, weasl comes with numerous mechanisms - for example, color highlighting of important information, multimedia content to clarify e.g. good and bad parts, input validation, etc.

Easy to use

As a modern web application, **weasl makes your work easy**. Thanks to the intuitive, customizable user interface, you can easily navigate through your work instructions **with a click or touch** – whether on a mobile device or stationary.

Test results:

automatically recorded sensor values: | Please measure the sensor values on the system manually:

Output Sensor 1
74 Watt | Measures value Sensor 1 (Target: <80 / Limit: 100) Watt

Output Sensor 2
89 Watt | Measures value Sensor 2 (Target: <60 / Limit: 80) Watt

weasl

Avoid errors.

NO NEED TO WORRY – CONSISTENT QUALITY, EVERY TIME

Quality can be planned. You just need the right tools to give you the necessary transparency and your employees in production and assembly the certainty that they are performing their tasks in accordance with the required quality standards. weasl offers you exactly that.

> *weasl is our control system in the assembly line and we can integrate our CIP process perfectly into the 'doing'.*

Christian Sperka
Master Metalworker (HWK) |
Welding Specialist | Order
Coordinator | Responsible
Welding Supervisor

ST STAUDINGER WIR STEUERN DIE ZUKUNFT.

Ensure process reliabilty

With weasl, your employees receive all the information they need step by step – for processing their orders and for **independent quality control**. Specified limit values, validations and process blocks **sensitize your workers** to QA standards and ensure process reliability. You control the scope of quality control with dynamic test steps.

ⓘ Specify test characteristics for material 131372.

☑ Variable individual test

☑ Evaluative individual test

☐ Catalog-based individual test

Real-time transparency

weasl makes all data relating to production and assembly **transparent** and gives you **quick and direct access** to quality-relevant information. View the results of individual work and test steps in real time. Capture valuable employee feedback and evaluate recorded breaks, interruptions and faults for **long-term quality improvement**.

00:00:00	ⓘ Cancelled	0%
00:00:54	✓ Finished	100%
00:00:09	⚠ Suspended	25%

Logging & auditing

Protocol file

File	Actions
20251604-140221_Inspection order log.docx	⬇ 🗑

weasl documents all work carried out and processes completed and outputs them at the end as a **customizable report**. It supports you in the **implementation of relevant standards** and guidelines. You can also master **internal audits** with weasl.

ⓘ Please upload your materials parts list (CSV format)!
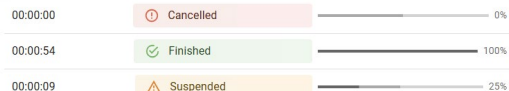
File	Actions
Parts_list_PL100187 - mounting-plate.csv	⬇ 🗑

Seamless traceability

Keep track of which material was used in which product – without additional software or documentation. weasl records and **tracks incoming and outgoing materials**, parts lists, parts list variants and batches from your peripheral systems. If material-related problems occur, you can immediately see which products are affected.

SAVE TIME AND EFFORT WITH SMARTER PROCESSES.

Competitive pressure, increasing customer requirements and, last but not least, a shortage of skilled workers – your production is facing numerous challenges. Meet them calmly thanks to smart processes that you establish with weasl.

The longer we work with weasl, the more interesting the product becomes within the company. We want to expand weasl further and develop it into a permanent fixture in our day-to-day production.

André Hink
Head of Prototype Shop and Production

eAxx
solutions

Break
Shift change
Unplanned break

II SUSPEND

Flexible personnel planning

With weasl, you can create **qualification-based work instructions** that **enable your employees** to take on new tasks. Establish **consistent processes** thanks to digital shift handovers and transparency across all work steps.

Gain real-time insights

Always keep an eye on your orders with weasl and ensure that all **deadlines are met**. **Master every order** up to batch size 1 and **flexibly reprioritize** when the order situation demands it. Every work step carried out is **fully traceable**, tracked and entered data is always transparent.

Order Number ↑	Label	Customer	ERP No.	Status	Progress	Created on	Released by	Documents	Runs
A00001	Base order	Smith Assembly Inc.	3344444	⊘	60%	9/4/2024, 10:20 PM	Jens Dittmers	4	10

Work made easier for your workers

Use a single digital system for content transfer, data capture and documentation. Guide your workers step by step through their processes – by text, image, video, etc. By assigning orders to employees and workstations, you can **avoid wasted time and confusion**.

ⓘ SHOW DETAILS

↺ SHOW SUMMARY

👁 REVIEW RUN

📋 MANAGE DOCUMENTS

Make knowledge available

Preserve your employees' **specialist knowledge** and use it to enrich your digital work instructions in weasl. **Empower your workers** to play a key role in **shaping processes** through their active digital feedback in the system.

Change of workstation required

⚠ The current workstation is unsuitable.

Please select the workstation where you want to continue the operation

◯ Assembly   CHANGE

Feedback
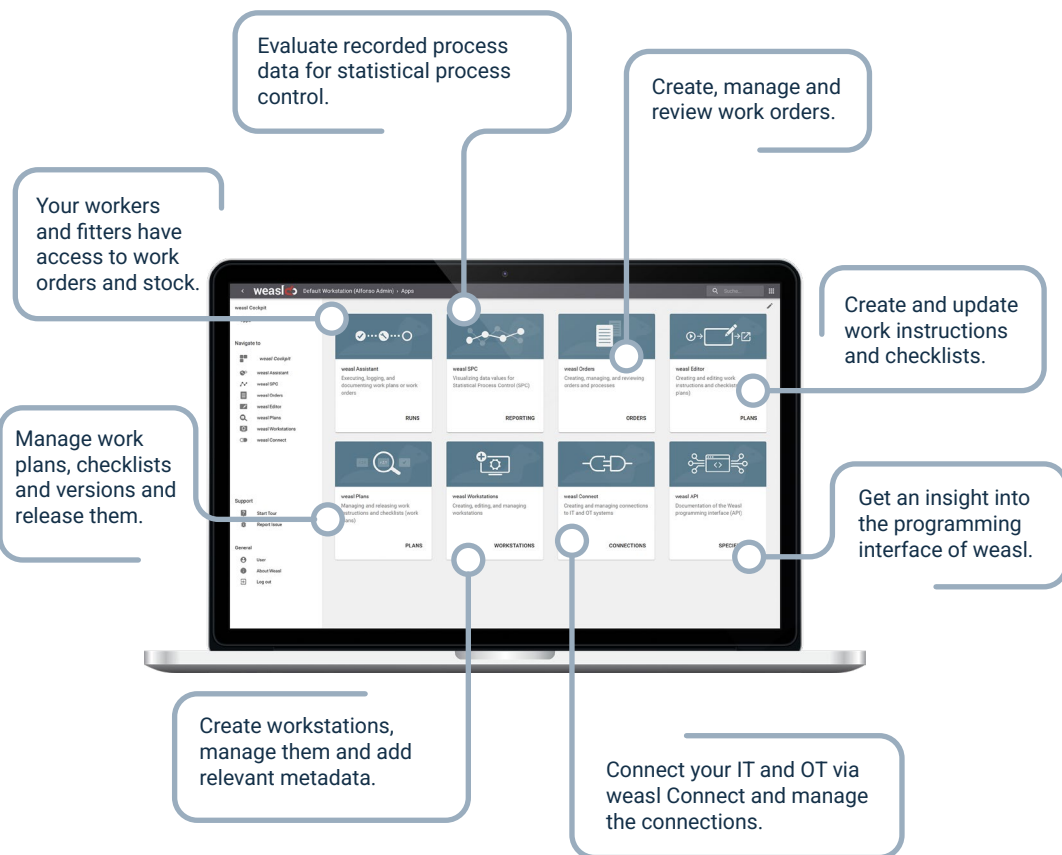Please add test step   ➤

WEASL
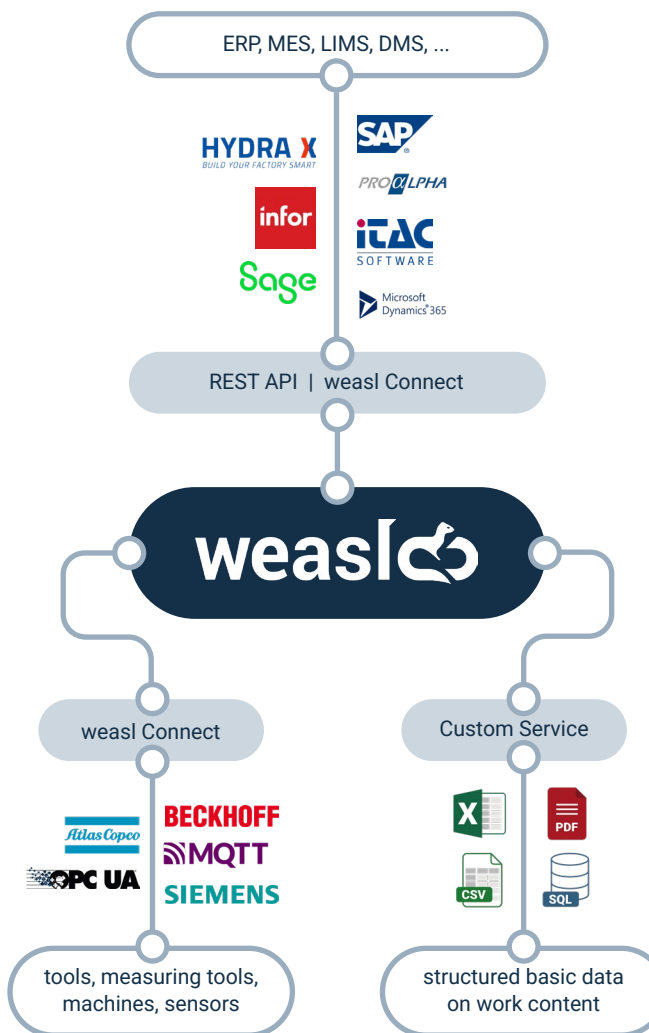# IN DETAIL

THE IDEAL SYSTEM FOR YOUR GOALS

Simply start

Become productive immediately with weasl. You can easily use our worker guidance system as a stand-alone solution – on-premises or in the cloud.

Evaluate recorded process data for statistical process control.

Create, manage and review work orders.

Your workers and fitters have access to work orders and stock.

Create and update work instructions and checklists.

Manage work plans, checklists and versions and release them.

Get an insight into the programming interface of weasl.

Create workstations, manage them and add relevant metadata.

Connect your IT and OT via weasl Connect and manage the connections.

Integrate consistently

Integrate weasl seamlessly into your IT and OT system landscape and connect tools, measuring equipment and sensors.

ERP, MES, LIMS, DMS, ...

HYDRA X — BUILD YOUR FACTORY SMART

SAP

infor

PRO ALPHA

Sage

iTAC SOFTWARE

Microsoft Dynamics 365

REST API | weasl Connect

weasl

weasl Connect

Custom Service

Atlas Copco

BECKHOFF

OPC UA

MQTT

SIEMENS

CSV

PDF

SQL

tools, measuring tools, machines, sensors

structured basic data on work content

Clients

→ all common clients / browser-enabled display devices
→ all common internet browsers such as Chrome, Firefox, Edge or Safari

User management

→ independent user management
→ IDM connection possible
→ single sign-on possible

SaaS operation

→ no special hardware requirements
→ access to AWS Cloud must be technically and organizationally possible

On-premises operation

→ mimimum requirements:
  ✓ CPU: 4+ cores
  ✓ RAM: 16+ GB
  ✓ System memory: 25+ GB
  ✓ Data storage: 15+ GB
→ storage: S3-compatible
→ deployment via Kubernetes
→ database: PostgresSQL

WE'VE GOT YOU COVERED – WITH RELIABLE SERVICE & SUPPORT

With weasl, you invest in the continuous optimization of your production processes and in relieving your employees. We make sure that this runs smoothly for you.

"
With weasl, iSAX has created a worker guidance system that is not only state of the art, but also appealing and easy to use. The excellent support and continuous further development are fantastic.
"

User rating at Capterra

Individual training courses

Professional production software needs training. And this is exactly where we support you with **training courses** that are tailored to your individual needs. We will familiarize you with weasl and **support you** in using our solution.
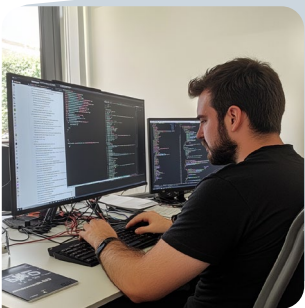
News on product updates

As a weasl user, you will receive **newsletters on release updates** conveniently in your e-mail inbox. Don't worry, we won't spam you. But if there are new functions, improvements or important updates for you, you will **find out first hand**.

Software maintenance

Bought today, outdated tomorrow? We can remedy this with our **update services**. You receive **regular updates, patches and bug fixes**. This ensures that weasl is always up to date and **guarantees unrestricted productivity**.

Direct contact via various channels

We will be happy to answer your questions by **e-mail and telephone** if you need support or simply want to give feedback. In our **weasl support portal** you will find well-founded support and should an error occur in weasl, a **ticket system** is available for direct entry.

weasl

WORKER GUIDANCE MADE SIMPLE –
WITH THE RIGHT WEASL PACKAGE

Relieve your workers and digitize your processes with a system that fits your requirements. Start directly with weasl flex or create end-to-end processes with weasl max.

Whichever package you choose, you benefit from:

floating licenses
You only need as many licenses as there are registered users at the same time.

full licenses
All package functions are available for every license – with no hidden costs.

installation flat rate
There are no additional costs for multiple installations in your company.

software support & maintenance
You receive free function updates, patches and bug fixes.

basic L3 support
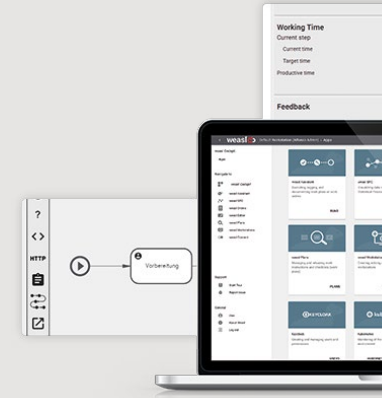You can rely on us and our L3 support for weasl as a standard product.

flexible operation models
Use weasl as a SaaS instance via AWS Cloud or on-premises.

Start right away
———
weasl flex
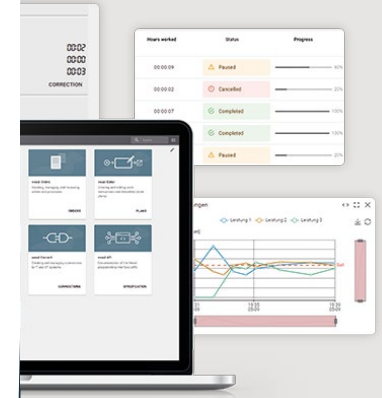The complete package for work plans & checklists

→ creation of digital step-by-step instructions and checklists

→ execution of work orders

→ user administration and comprehensive roles/rights system

→ access to third-party systems via http(s)

Scale flexibly
———
weasl max
For complete integration into your IT/OT

→ all functions of weasl flex

+

→ order management

→ complete integration via REST API and weasl Connect

→ statistical process control / quality control chart

FREQUENTLY ASKED QUESTIONS

? How does weasl support my workers in their daily work?

! weasl guides your workers step by step through their daily tasks. No more tedious searching for work instructions and documents. Documentation takes place automatically via weasl.

? Is there specific hardware that I need to purchase for weasl?

! No. weasl is a web application and is device-independent. A tablet is just as suitable as a stationary PC at the workplace. All you need is a standard web browser.

? Can weasl be used as a stand-alone solution?

! Yes, you can easily use weasl without any integrations.

? Can I integrate weasl into my existing IT landscape?

! Yes. weasl can be integrated into both your processes and your IT landscape. Data can be exchanged via the weasl REST API, for example. A connection to your ERP system or your MES is also possible. For example, weasl can access the order data from your leading system and import data collected during processing.

? Can operating equipment be connected to weasl?

! Yes. weasl can handle standards such as MQTT, OPC UA, REST and many more, allowing it to exchange data with a PLC, a torque wrench or a scale, for example.

? Can I adopt existing work instructions?

! Yes, you can of course transfer existing work instructions to weasl. Whether this can also be done automatically depends on the conditions and the data situation. We would be happy to check this with you.

? Can I record productive time accurately with weasl?

! Yes. weasl does not include break times or other interruptions in the throughput times. It is also possible to record additional or reduced workloads.

? Are there feedback options in weasl?

! Of course. Your workers can give feedback at each work step and send it to a selected addressee.

? Can I scale with weasl?

! Yes. weasl scales flexibly with your requirements – be it users, locations, complexity or application areas.

WE DIGITIZE YOUR PROCESSES –
SO YOU CAN PRODUCE WITH EASE

At iSAX, we have made it our mission to help manufacturing companies strengthen their competitiveness in the long term. We use digitalization to connect people, processes and systems into a harmonious, efficient whole – for the strong production of tomorrow.

With our flexible worker guidance system weasl, we specialize in modern assembly and production processes. Our system makes valuable empirical knowledge accessible to everyone and uses digital work instructions to ensure reliable, error-free work and transparency in your production.

Capture knowledge. Reduce risks. Future-proof your business.

—————

weasl is a brand of iSAX GmbH & Co KG. We have been supporting companies in the implementation of future-proof industrial solutions for over 25 years.

SILVER | Top 15%
ecovadis
Sustainability Rating
APR 2024

FACTORY INNOVATION AWARD 2023
FINALIST
Nachhaltige Fabrik
iSAX

TÜV SÜD
ISO 9001

WE ARE HERE FOR YOU

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vertrieb@isax.com

https://www.isax.com/en/weasl/

A video says more than a thousand pictures

Want even more insights into weasl? Then take a look at our feature video. Here you can gain further insights into all aspects – from setting up the system to order management and worker guidance.