

**PEC**

Sm@rtLine

AGU Industrial IT Solutions



THE STRONGEST LINK.

**STAHL**

## **SERVICE & SUPPORT FOR SAFETY**

Paperless life cycle for operational and plant safety



## A NORMAL DAY IN YOUR FACILITY

Running an industrial plant is definitely hard work. As an operator, you're not just responsible for making sure that production proceeds as planned – you also need to meet a legion of legal, technical and safety requirements, and be able to prove that you adhere to them all.

Your duties are titanic: you have to plan, organise and perform regular electrical and mechanical inspections for hundreds of different components, each with

a different inspection schedule. You have to analyse the results of these inspections and, if something is amiss, define and execute the necessary measures to fix it. You have to outline the inspection status for your entire facility. And most important of all, you have to compile and provide documentation that proves the suitability of your safety strategy and substantiates your inspections.

In short, you have an almost never-ending stream of tasks – each requiring data from different sources, compiled in different

systems, mostly captured on paper. And you have the ultimate responsibility to assess all this data to make sure that the entire life cycle of your facility is managed safely.

Everything is riding on your shoulders. But it doesn't have to.





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## **AN EASIER LIFE WITH PLANT ENGINEERING CENTER (PEC)**

Imagine a facility where all you need to do your job is in one system: your inspection concepts, your device and equipment documentations, your inspection protocols and protocol templates, your fault data logs, and your verification of intrinsic safety and SIL proofs. A facility where your deadlines keep track of themselves and where creating inspection concepts is as easy as

following up on them. One where it's easy to keep in line with the requirements of all technical units – with automatic interfaces for all your enterprise, engineering and document management systems.

This can be your facility – if you bundle all the isolated systems and applications in your plant into one homogenous tool that gives you a complete overview. You're still in charge, but instead of interacting with dozens of inconsistent systems to fulfil your duties, you

get all the data and information you need from one source.

Sm@rtline Plant Engineering Center is the one-stop solution. Welcome to the future of plant safety.





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## WORK SMARTER WITH PEC

PEC is your holistic solution for paperless inspection planning, organisation and execution across your entire facility. With three inspection modules, it lets you manage and monitor all your explosion protections, functional safety or operational safety and quality inspections – paperless on your tablet, online and offline from wherever you are. Its comprehensive interfaces support connectivity with ERP, MES, CAE, engineering and DMS systems, for instance to avoid double in-

puts. This allows PEC to boost your productivity while letting you stay on top of all your tasks across the whole facility life cycle with easy searching and reporting functions.

PEC integrates the device database, templates for your typical inspection plans and a deadline scheduler that always keeps you up to date. In addition, it automatically compiles all relevant inspection results, documentations and other information into conclusive, accountable evaluations that you can use for auditing and compliance purposes.

This saves you money, improves your data quality, and gives you a reliable overview of your entire plant in the blink of an eye. And when your facility is taken care of, you have time to concentrate on other tasks.



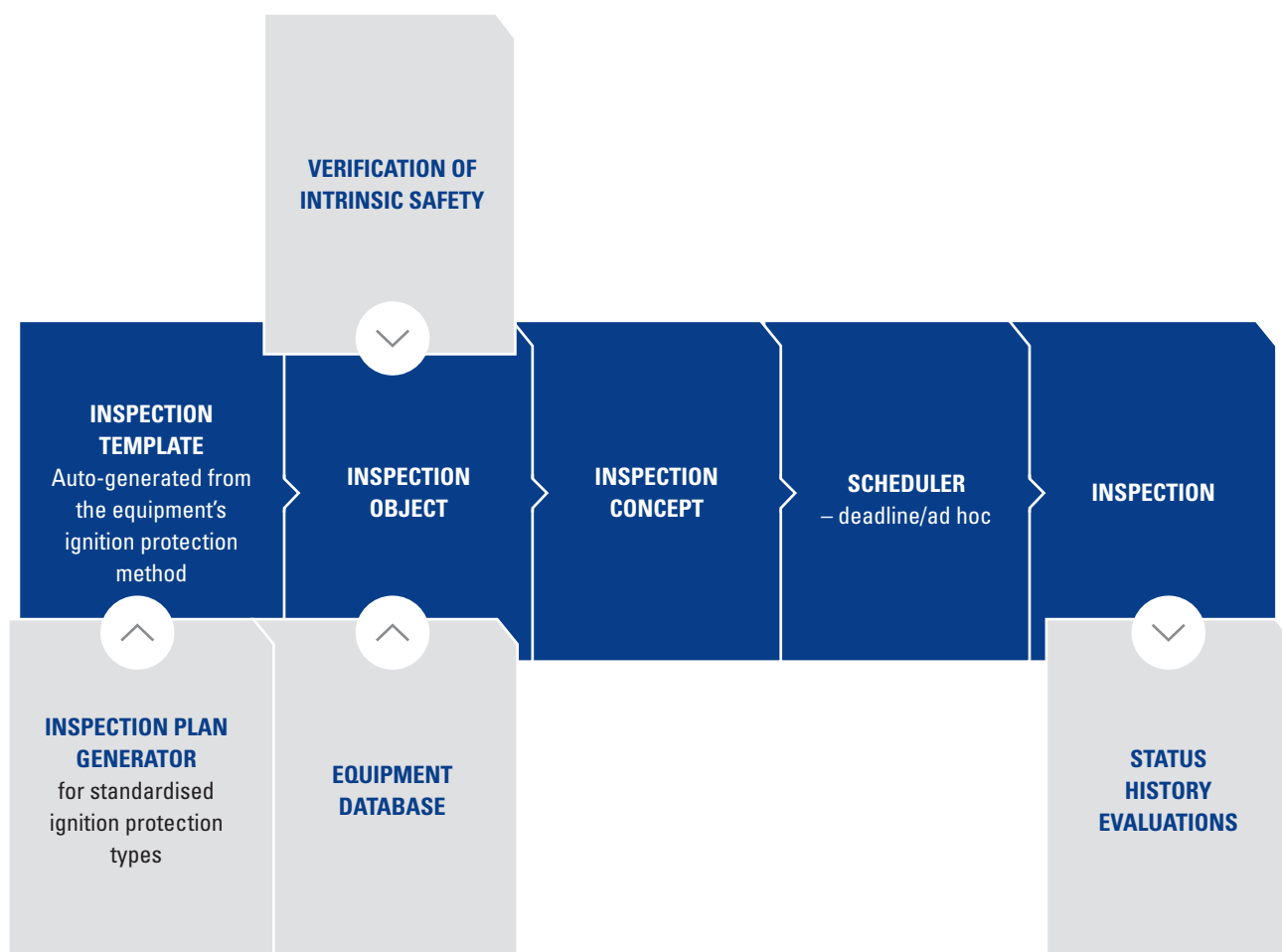
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## PEC-EX FOR ELECTRICAL AND MECHANICAL INSPECTIONS IN EX AREAS

The Explosion Protection module for PEC allows you to inspect all electric PCT measuring points in explosion-protected areas in accordance with IEC 60079. But PEC-EX not

only automatically generates inspection plans appropriate to your deployed ignition protection types – it also sets up your inspections and supports the inspection staff through an efficient input mask. And because PEC-EX automatically manages your outstanding, completed and historic inspection protocols

for you, creating your required KPIs and compliance documentation is just as easy as keeping your facility under close observation.

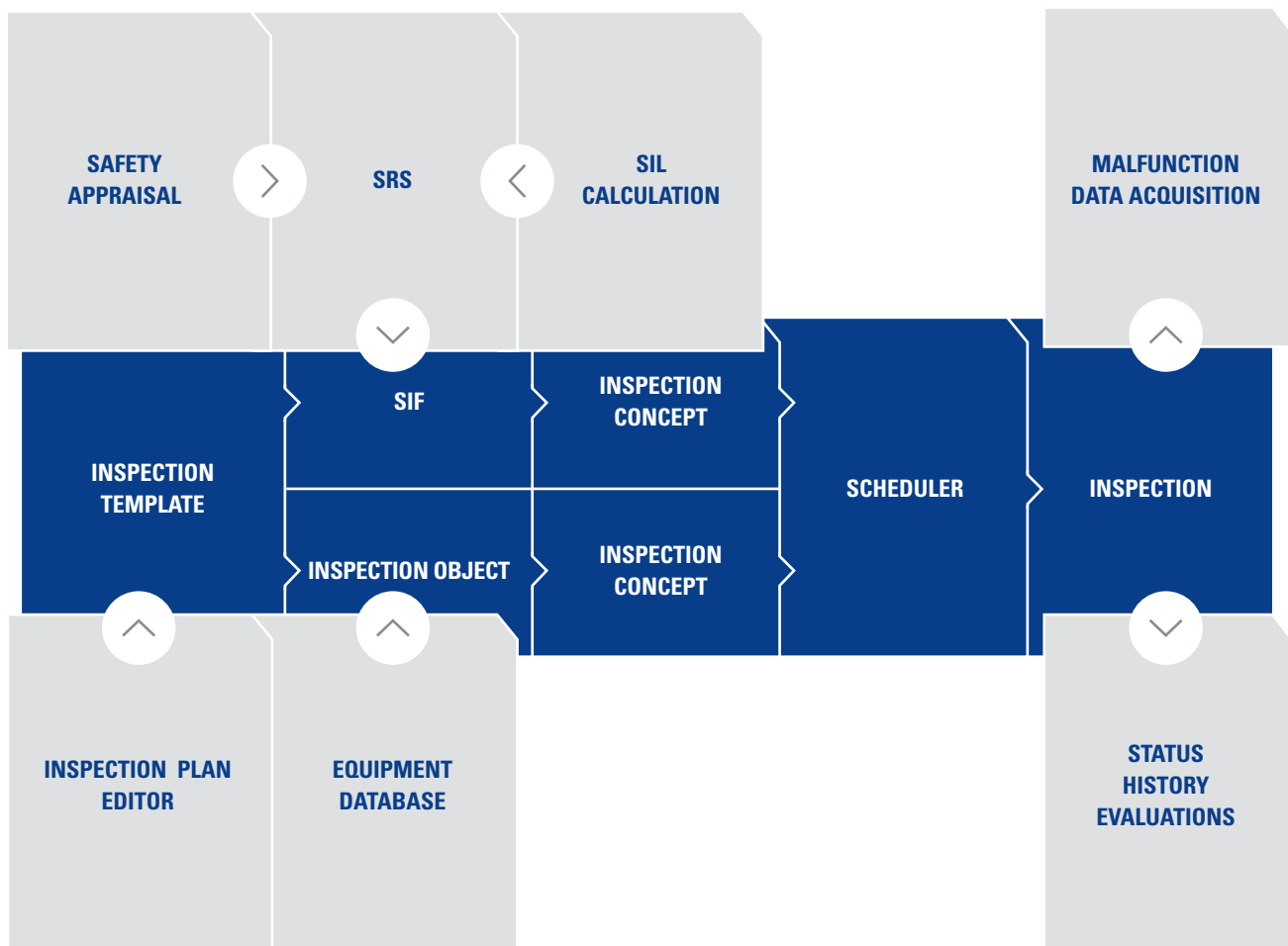


YOUR WORKFLOW WITH PEC-EX

The Functional Safety module for PEC supports you in inspecting the Safety Integrated Function (SIF) according to IEC 61508 and IEC 61511. PEC-FS can be used to manage your inspection concepts, generate inspection plans and

security requirement specifications (SRS) and to calculate your safety integrity level (SIL). It defines and executes electric and mechanical inspections and issues standardised inspection protocols for all your tasks. In other words, PEC-FS helps you document all phases of functional safety from the

design stage to the storage of previous protocols – easily and with no clutter. And this is how it works.



## YOUR WORKFLOW WITH PEC-FS





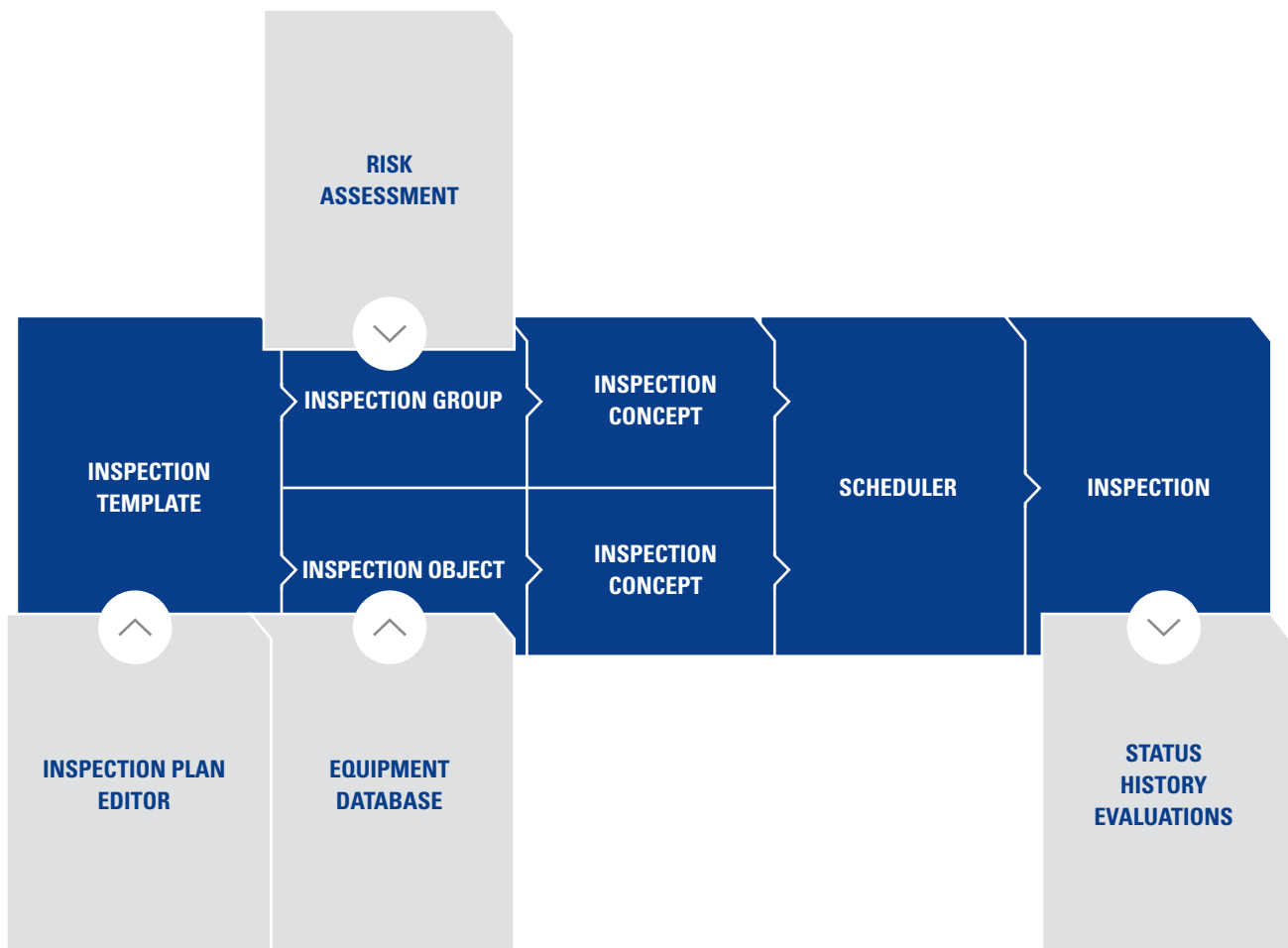
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## PEC-SQ FOR SAFETY AND QUALITY ASSURANCE

The Safety and Quality module for PEC is the easiest way to organise and execute enterprise-, business-, or facility-level inspections for all kinds of equipment such as pipelines, devices or tanks. PEC-SQ's intelligent

inspection plan generator helps you set up your examinations and link them to your device or equipment's inspection concepts. Its built-in scheduler is able to use this data to automatically inspect electrical or mechanical plant components at any desired time. Keeping track of your precise status, inspection history and

evaluations, it's simply the easiest and most flexible way to stay on top of your inspection duties and focus on other tasks. Indeed, your workflow becomes much more streamlined.



YOUR WORKFLOW WITH PEC-SQ

# TAKE A STEP INTO THE FUTURE

If you want to make the safety of your business or facility more manageable, Sm@rtline Plant Engineering Center is made for you. Together with our best-in-class competence in engineering and explosion protection, we offer you a number of unique advantages:

## KEY BENEFITS

- Paperless inspection organisation and execution
- Comprehensive interfaces for existing software solutions
- High data quality through centralised data management
- For Explosion Protection, Functional Safety as well as Safety and Quality Assurance

## WOULD YOU LIKE TO KNOW MORE ABOUT PEC?

Simply visit [r-stahl.com/pec](http://r-stahl.com/pec) or get in touch with our experts by phone or email to get all the information you need. We are looking forward to providing you the future of plant inspection.

