



Exp

Exi

Exd

Extb

Exe

THE STRONGEST LINK.

STAHL

R. STAHL LIFECYCLE SERVICES FOR YOUR INDUSTRY

Explosion protection – Service and Support



Ex p
Ex i
Ex d
Ex tb
Ex e

EXPLOSION PROTECTION FROM START TO FINISH

The safety requirements for companies are constantly increasing. This development is also noticeable in explosion protection. Keeping up with the latest technology and legislation requires a lot of time and effort, or a competent partner.

As a specialist in explosion protection, we have been supporting our customers for more than 50 years in planning, designing, implementing and maintaining customized, state-of-the-art solutions for explosion protection.

Our drive is to improve the safety of any area, and to improve the performance of vendors, EPC, and End Users.

You can rely on decades of experience in explosion protection for a wide range of industries.

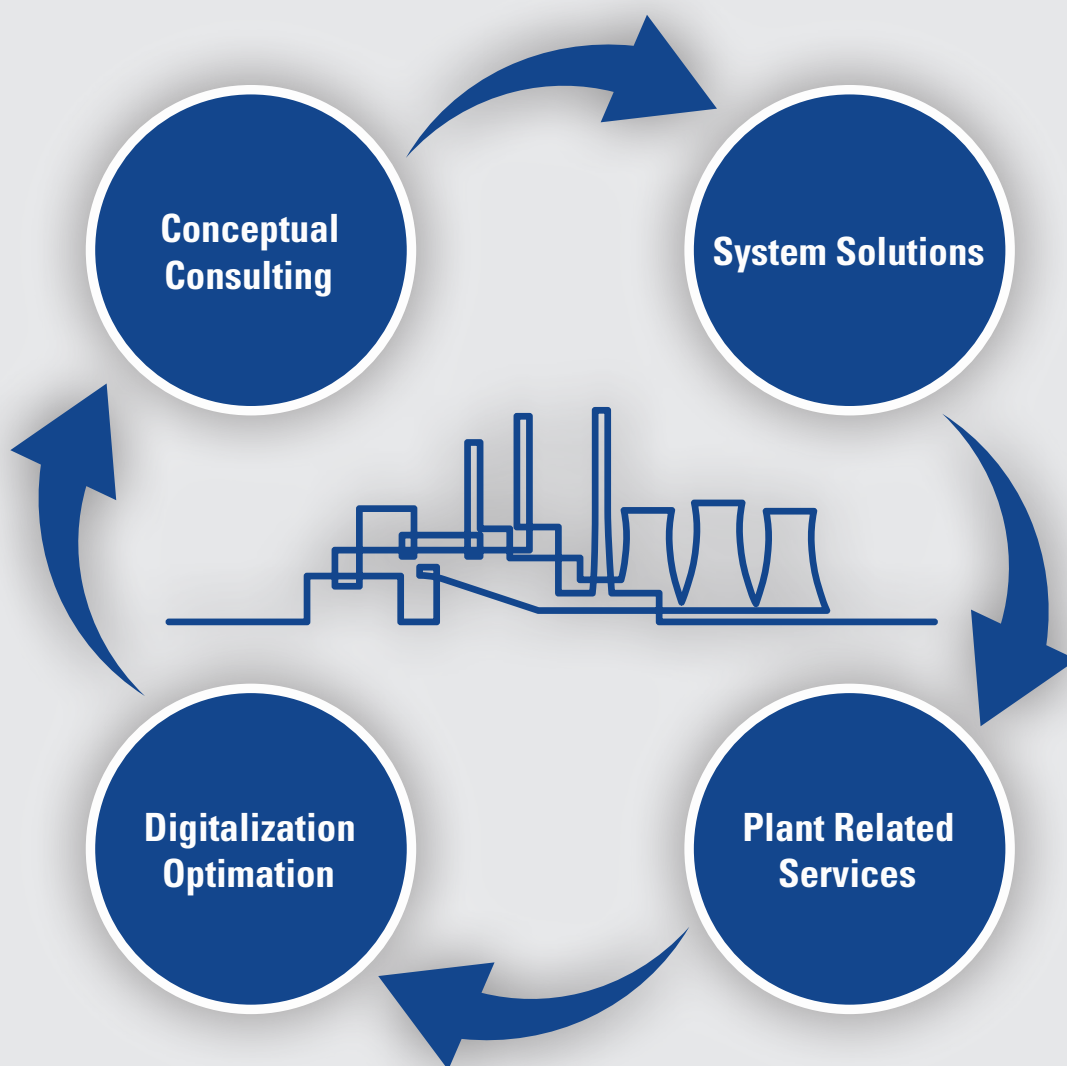
With certified consultants, R. STAHL offers competent contact partners for the implementation of your requirements. We are uncomplicated, efficient and worldwide.

R. STAHL LIFECYCLE SERVICES

lifecycle.services@r-stahl.com

EXPLOSION PROTECTION IN A NEW WAY

OUR SERVICE – YOUR BENEFIT



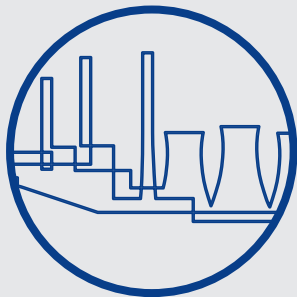
We provide a range of services to enable a safe working environment. Creating continuous growth opportunities by offering quality, schedule, financial, and environmental benefits for our customers while being responsible for a sustainable future.

CONCEPTUAL CONSULTING

No matter whether you are planning a new plant or upgrading an existing one, R. STAHL has you covered. We will first analyze the status quo, and then identify all relevant aspects to be taken into account for adequate implementation.

We advise you on the creation or revision of your explosion protection concept design and check your hazardous area classification, risk- and ignition source analysis.

PLANT AND PRODUCTION SITE DESIGN



Creating an explosion protection concept

- We support you in the preparation, improvement and revision of the explosion protection concept.

Ex Verification Dossier

- We support you in the preparation, improvement and revision of the verification dossier.

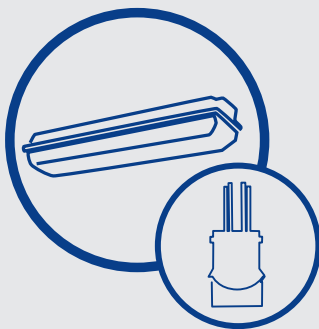
Risk assessment

- We support you in the preparation, improvement and revision of the risk assessment.

Hazardous area classification

- We support you in the preparation, improvement and revision of the hazardous area classification.

EQUIPMENT AND INSPECTION CONCEPT PLANNING



Lighting

- Preparation of lighting concept.
- Revision of lighting concept.

Proper selection of Ex Equipment

- We support you for the definition of relevant equipment characteristics.
- Selection of electrical / non-electrical equipment according to the different product and installation regulatory and ambient conditions.

Inspection concept

- We support you in the preparation, improvement and revision of the inspection concept.
- Supervising during Initial and Periodic Inspection.

Inspection plans

- We support you in the preparation, improvement and revision of the inspection plans according to type of protection.
- Implementation to the verification dossier.

Proof of intrinsic safety

- Simple verification for intrinsically safe equipment.
- Identify the necessary documentation.
- Complex verification: connecting several intrinsically safe equipment together using 60079-11 and/or 60079-25, as well as the evaluation of new Ex i parameters.
- Creating a drawing for the circuit with proof of intrinsic safety.

SYSTEM SOLUTIONS

As a leading manufacturer of electrical equipment R. STAHL offers the latest equipment and solutions optimally matched to the operating conditions in your plant. With established expertise in engineering and design we guarantee the best possible system solutions in hazardous areas.

Engineering Consulting

- Selection of proper type of protection for customer specific applications
- Customized project support to achieve a proper Ex Design.
- Selection of proper equipment.
- Adaption of engineering concepts for the European and international market.
- Expert support for manufactures and owners on the regulatory level.

Research and Development Consulting

- Basic Development.
- Customized project support.
- Accompanying development support in cooperation with testing laboratories.



PLANT RELATED SERVICES EX AUDITS AND INSPECTIONS

R. STAHL supports you with everyday challenges in ongoing operations, in both an advisory and an operational capacity.

We take care of the initial installation and commissioning, can carry out repairs or equipment replacement and, if necessary, will perform ignition source analyses on equipment.

- Initial Inspection according to IEC 60079-14 & 17.
- Periodic Inspection according to IEC 60079-17.
- Proper maintenance according to IEC 60079-17.
- Repair and overhaul according to IEC 60079-19.
- Facility Inspections/Audits.
- Sample Inspections.
- Continuous Supervision.
- Ignition source analysis on electrical and non-electrical equipment.
- Installation and commissioning services and supervising remote or on-site for different standard and customized solutions such as: junction boxes, control stations, light fittings, power distribution, machine control, cable entries, Remote I/O, Feldbus installations, wireless solutions, fiber optic technology, wireless and many more.



DIGITALIZATION, OPTIMIZATION, E-LEARNINGS AND TRAININGS

R. STAHL supports you in the implementation and configuration of comprehensive solutions for the planning, organization and execution of all inspection tasks in your plant.

We create and optimize test plans and design, standardize and digitalize test concepts.

Digitalization and optimization

- Inspection plans according to IEC 60079 and IEC 80079
- Ex-relevant requirements.
- Customer specific requirements.
- Standardization of existing inspection reports.
- Software-based inspection management.

Seminars, e-learning and webinars

- IECEx CoPC Trainings and Assessment for all units.
- Open or in-house seminars either at R. STAHL or directly at your location.
- Seminars with numerous practical exercises for electrical and non-electrical explosion protection.
- Compact knowledge on the latest explosion protection developments.



Ex p



Ex d

Ex e



R. STAHL
Am Bahnhof 30
74638 Waldenburg, Germany
T +49 7942 943-0
F +49 7942 943-4333
r-stahl.com

Follow us:

-  R. STAHL Group
-  R. STAHL Group
-  @rstahlgroup