



NOPA®

INDUSTRIEARMATUREN GMBH



WE SERVICE. **YOUR VALVES.**



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SHUT OFF. SECURE. CONTROL.
THE VALVE SPECIALISTS.

NOPA INDUSTRIEARMATUREN GMBH **WE SERVICE. YOUR VALVES.**

Powerful solutions designed to meet your needs down to the finest detail, significantly enhancing your plants availability and efficiency – this is what the name NOPA Industriearmaturen GmbH stands for. Every day, our engineers work to develop solutions for you that are optimally designed for your individual applications - whether that's in terms of the economic, ecological or technical aspects.

For your specific application, we offer a range of services from comprehensive project management and engineering to optimized, customer-specific

product and system solutions - including digital management software as well as preventive product and system maintenance.

Throughout Germany and Europe, we supply our customers in industry and plant engineering with valves for the controlling, shutting-off and forwarding fluid and gaseous media. There are no limits to the possible areas of application. Whether steelworks or power plants, refineries, chemical plants, paper mills or thermal recycling plants: even in large-scale projects, our experts will always maintain an overview.



**CHEMICAL
PLANTS**



**THERMAL
RECYCLING PLANTS**



REFINERIES



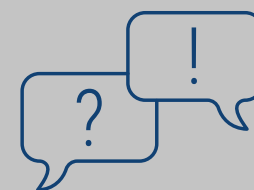
STEELWORKS



PAPER INDUSTRY



POWER PLANTS



IN SHORT:

We are your partner for all matters concerning valves. From design to delivery, installation to maintenance, we provide you with everything from a single source.

STRONG PRODUCTS AND STRONG PARTNERS. ONE NETWORK FOR EVERYTHING.

The heart of our service is a range of valves whose quality is second to none. To achieve this, we work with renowned manufacturers who deliver exactly what you need – carefully

designed products, developed with heart and mind. And for the maximum benefit for your company processes. We are therefore optimally equipped for all applications..



To illustrate our entire product portfolio would go beyond the scope. So, all the more reason for you to rely on our experts to have the right product ready for you – either available quickly from one of our warehouses, or as an indivi-

dually customized special solution. NOPA has been working closely with well-known manufacturers for many years. For many of our system partners, we even offer our customers exclusive service in some German states.



Our service technicians are trained, tested and certified by the manufacturers. They attend technician training courses at least once a year

to ensure their expertise remains up-to-date. For service calls, they are on the road for you with the latest equipment and specialist tools.

CLOSE TO OUR CUSTOMERS FOR OVER 25 YEARS. OUR HISTORY.

Quality and genuine expertise in the field of industrial valves – this is what the name NOPA has stood for since 1996. What once began as a retail business has undergone rapid development.

1996 - FOUNDATION

2002 - INITIAL CERTIFICATION
- DIN EN ISO 9001:2000

2003 - NEW COMPANY HEADQUARTERS
AND EXPANSION OF STORAGE SPACE

2004 - DEVELOPMENT OF
THE VALVE SERVICE

2008 - INTRODUCTION OF SAP - ENTERPRISE
RESOURCE PLANNING SYSTEM

2010 - EXPANSION OF MOBILE
VALVE SERVICE

2011 - MARKET DEVELOPMENT IN POLAND

2013 - EXPANSION TO INCLUDE
IN-HOUSE ENGINEERING DEPARTMENT

2014 - FIRST CERTIFICATION ACCORDING TO PED 97/23/
EG MODULE H - COMPREHENSIVE QUALITY ASSURANCE

2015 - SERVICE REPRESENTATION
OF VARIOUS MANUFACTURERS

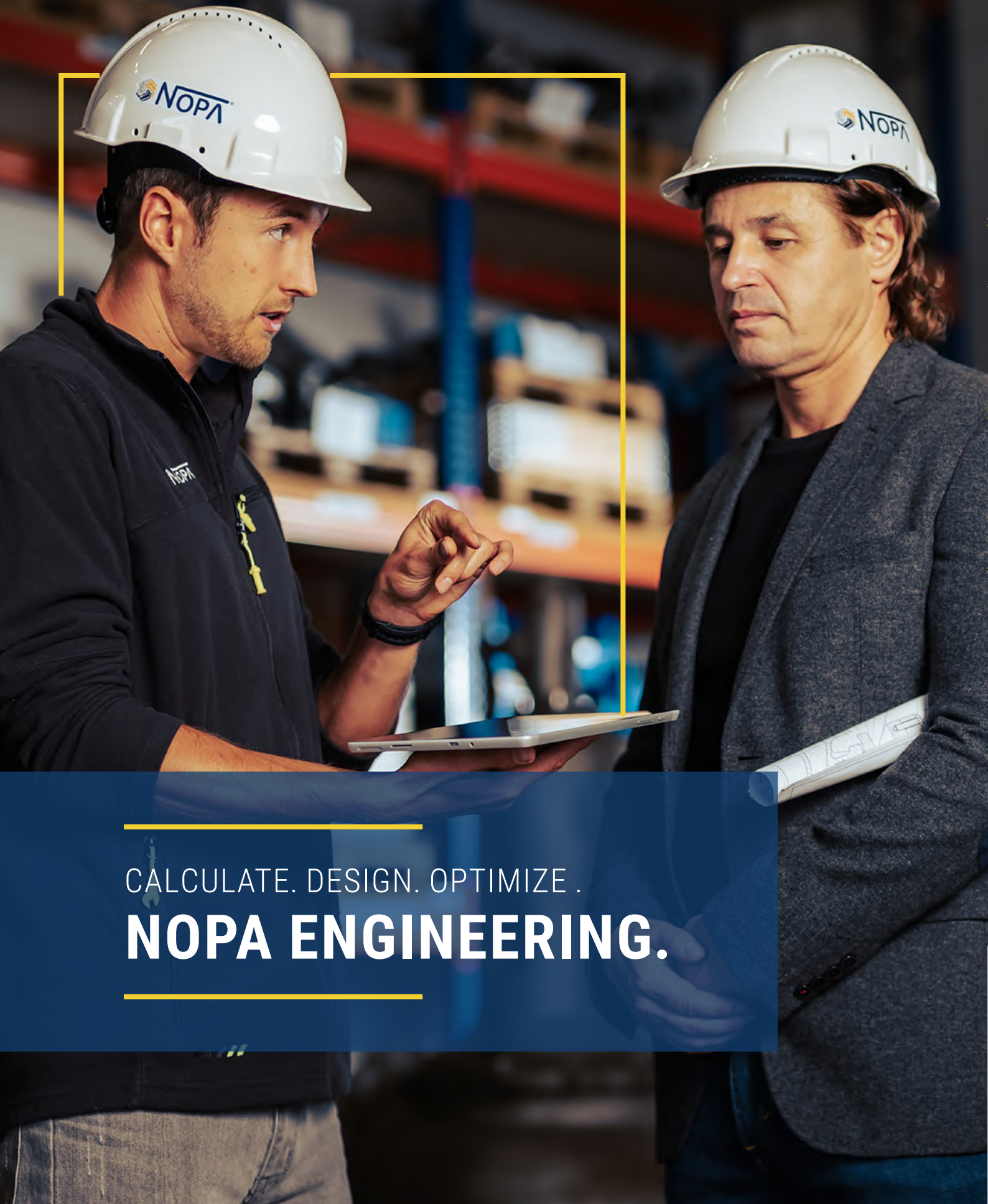
2017 - CERTIFIED FOR INDEPENDENT AC-
CEPTANCE OF SAFETY VALVES

2018 - EXTENSION AND ADAPTATION OF THE
CERTIFICATION TO PED 2014/68/EU MODULE H1

2021 - EXPANSION / EXTENSION
HIGH-BAY WAREHOUSE

2022 - OPENING OF THE BITTER-
FELD SERVICE CENTER

2023 - DEVELOPMENT OF A
PRODUCT LINE FOR PROCESSES
RELATED TO HYDROGEN TECHNOLOGY



CALCULATE. DESIGN. OPTIMIZE.
NOPA ENGINEERING.

Raum für Anbauteile

Ø 337 x 4,85
EN ISO 9692 - M8
Mat. 1.5415

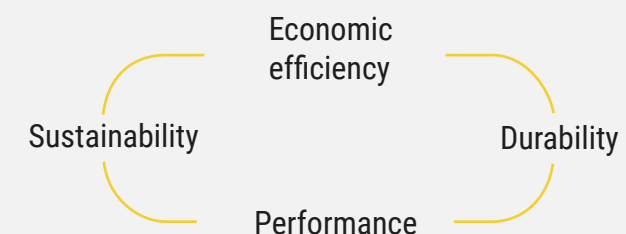
Wasseranschluss
DN 25 - PN 160

Ø 337 x 32
EN ISO 9692 - 1/1.3
Mat. 1.5415

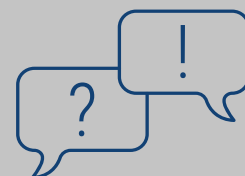


CUSTOMIZED INDUSTRIAL SOLUTIONS.

Our engineers develop, plan and design solutions for you that take your business to a new level. Close communication and detailed coordination are particularly important to us in order to understand your requirements and implement them precisely. Using state-of-the-art software and technology, our engineers develop various alternatives and create suitable product configurations. During this process, we never look at your project one-dimensionally, but always from all perspectives.

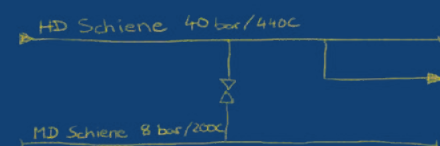


IN SHORT

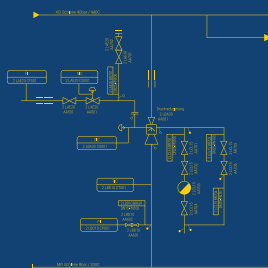


Based on our many years of experience, we are able to design a wide variety of systems and optimize them in terms of flow and wear technology, whether control valves, differential pressure sensors, rupture discs, safety valves, heat exchangers or pumps. Pipeline calculations are also among the services provided by our engineering team.

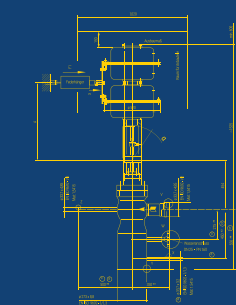
1.



2.



3.



4.



5.



6.



THIS IS HOW UNIQUE SOLUTIONS ARE CREATED.

BASIC ENGINEERING

First, our engineers analyze the process in order to find the optimum solution for the existing process. Fast communication and short decision-making channels form the basis for quick, tailor-made solutions.

DETAIL ENGINEERING

In detail engineering, we then design the process in detail for you: What other peripheral components are needed? Which process variables are to be measured? How should the regulation be structured?

DESIGN

We then find the ideal valve configuration for your process, whether it's a gate valve, control valve or measuring technology. We assist you in the selection of efficient and durable products that significantly improve your plant availability.

DELIVERY/INSTALLATION

We source the components from our well-known, established partners and put together your assembly completely. Afterwards, we install the assembly in your system.

COMMISSIONING

Our experienced service technicians and commissioning engineers know exactly what is important when commissioning individual valves or complete assemblies. This reduces downtime and increases your production time. Outstanding quality is the top priority in our work.

SERVICE

We also monitor our valves throughout commissioning. We keep an eye on the necessary maintenance and servicing cycles for you, in order to maximize your production time and production reliability at all times.

OUR FOCUS ON YOUR PROCESSES.

We are a general contractor for valves who supports you throughout the entire service life of the valves. From the initial idea and basic engineering, through the detailed planning and design, to installation and commissioning. But that's not the end for us, because we continue to monitor the valves even after commissioning, as part of regular inspections and maintenance work. A key point is that we offer a full service package, so that you can concentrate fully on your core business.

Your benefits

- ✓ Reduced operating costs due to the latest analytical methods
- ✓ Minimized energy consumption and reduced CO² emissions
- ✓ Highest possible plant efficiency and minimum downtime
- ✓ Optimized product selection for maximum plant availability
- ✓ Preventative maintenance for optimal functioning of valves
- ✓ Digitized valve file in the service app





CHECK. REPAIR. MONITOR.

OUR FULL SERVICE.

GREATER SAFETY AND RELIABILITY. **OUR FULL SERVICE.**

Our service technicians ensure the safe operation of your plants on a daily basis through maintenance, inspections and servicing. With decades of experience with industrial equipment, we provide manufacturer-independent support with world-class engineering and outstanding service.



- **Optimized plant availability and minimal downtime:** through regular maintenance, quick emergency repairs and comprehensive servicing, we ensure trouble-free operation of your plants.
- **Automated maintenance intervals:** with our maintenance planning, we ensure compliance with all maintenance intervals to improve the efficiency and service life of your plants.
- **All-in-one solutions from a single source:** our comprehensive range of services, from mobile on-site repairs to digital maintenance documentation, provides you with a single point of contact for all your requirements.



RELIABLE AND EFFICIENT. MOBILE SERVICE.

With our fully equipped service vehicles, we are always on the road throughout Germany and Europe to offer quick solutions to technical problems. On site, we provide comprehensive maintenance and repairs for plants in all industries.

Our mobile service vehicles have everything on board that our technicians need to deal with your challenges, whether it's a test stand, blasting cabin or mechanical processing technology. Thanks to the excellent range of equipment in our service

vehicles, we can carry out most maintenance and repair work required directly on site, with no wait.

Many common spare parts are part of the standard equipment we keep in our service vehicles. Thanks to their many years of experience, our technicians often know in advance which parts they need to fix a problem. We always have most spare parts in stock to avoid unnecessary waiting times due to delivery.



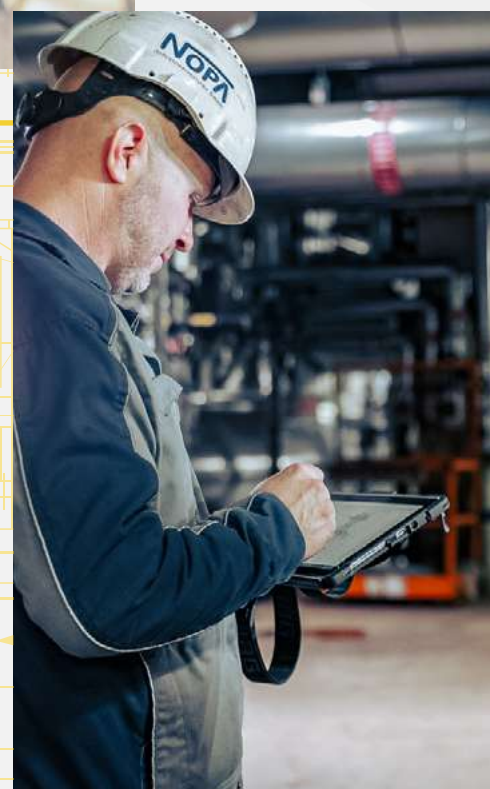
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EN ISO 9692-1/1.3
Mat. 1.5415

EVEN DURING ONGOING OPERATIONS. STEAM TRAP SERVICE.

Regular maintenance of steam traps is essential to prevent extensive damage and financial loss. Our professionals have the necessary expertise to identify and resolve problems at an early stage, which maintains the performance and efficiency of the plant.

Defective steam traps can lead to steam loss, backflow, undercooling due to condensate accumulation, hydraulic shock and damage to the entire steam and condensate system, among other things.

Regular inspections by our specialists minimize these risks, ensure the operating result by avoiding production downtime, and reduce operating costs.



SERVICE - APP. DIGITAL MAINTENANCE REPORT.

Our digital maintenance report means increased efficiency and speed in your maintenance processes. Maintenance reports, manuals and parts lists are accessible at any time via our mobile web app. The Dashboard provides an overview of your valves and planned maintenance, and provides access to important documents.

This improves production performance and ensures constant access to documents, increasing plant availability and minimizing downtime. Use these innovative technologies for smooth operation and turn your smartphone into a service center that is always available.

ANALYZE. PLAN. IMPLEMENT.
REFERENCES.

ARCELORMITTAL STEEL GROUP BLAST FURNACE NATURAL GAS INJECTION



Customer: ArcelorMittal
Eisenhüttenstadt GmbH
Project period: 2020-2021
Location: Eisenhüttenstadt

Special features:

- Project planning and design by NOPA
- Replacement of lignite with natural gas
- Reduction of CO2 emissions
- Increased plant availability

ArcelorMittal's project to inject natural gas into the H05A blast furnace in cooperation with NOPA aimed to improve the CO2 balance. Significant CO2 savings were achieved through the installation of a system for controlled natural gas injection. NOPA contributed to significant cost savings by optimizing valves and reducing pipe diameters and the number of valves.

The operation of the H05A with hard coal and lignite led to high CO2 emissions. Through a multi-stage plan, starting with the replacement of lignite with natural gas, ArcelorMittal has been able to save significant amounts of CO2 annually. The technical set-up included the injection of up to 20,000 m³ of natural gas under pressure, distribution via 26 lances and precise control for metered gas supply.

The benefits of the project are significant: a saving of 163,000 tonnes of CO2 per year, higher plant availability, and cost savings due to lower material requirements. NOPA provided end-to-end support from planning to implementation, resulting in a significant reduction in ArcelorMittal's CO2 footprint.



SEWAGE SLUDGE UTILIZATION PLANT BITTERFELD-WOLFEN

Customer: KÜTTNER
MARTIN Technology GmbH
Project period: 2020 – 2021
Location: Bitterfeld-Wolfen

Special features:

- Complete supplier for KVA Bitterfeld-Wolfen sewage sludge utilization plant
- Fully self-sufficient waste disposal facility



The sewage sludge utilization plant in Bitterfeld plays a central role in Germany's phosphorus recovery strategy, disposing of approx. 260,000 tonnes of sewage sludge annually. The process of thermal utilization allows the recovery of phosphorus from the ash, which is an important step in closing the phosphorus cycle. The plant is self-sufficient in terms of energy and even produces renewable electricity.

At the heart of the planning and implementation was the close collaboration between NOPA, the general planner PME, the operator KSR GmbH and KÜTTNER MARTIN Technology GmbH. NOPA supplied almost all of the valves, paying attention to durability and innovation in order to meet the requirements precisely. The focus has been on regular maintenance and optimization of maintenance processes in order to ensure the operational safety and sustainability of the plant.

The successful commissioning in 2022 was the result of a cooperative partnership and the technical expertise of all the parties involved. Through the implementation of digital technologies and data analysis, NOPA strives to continuously improve the efficiency of maintenance processes and so contribute to the environmental friendliness of the waste utilization plant.

PM2 STEAM CONVERSION STATIONS HAMBURGER RIEGER

Customer: Hamburger Rieger GmbH, Paper Mill Spremberg
Project period: 2019 – 2021
Location: Schwarze-Pumpe PM2

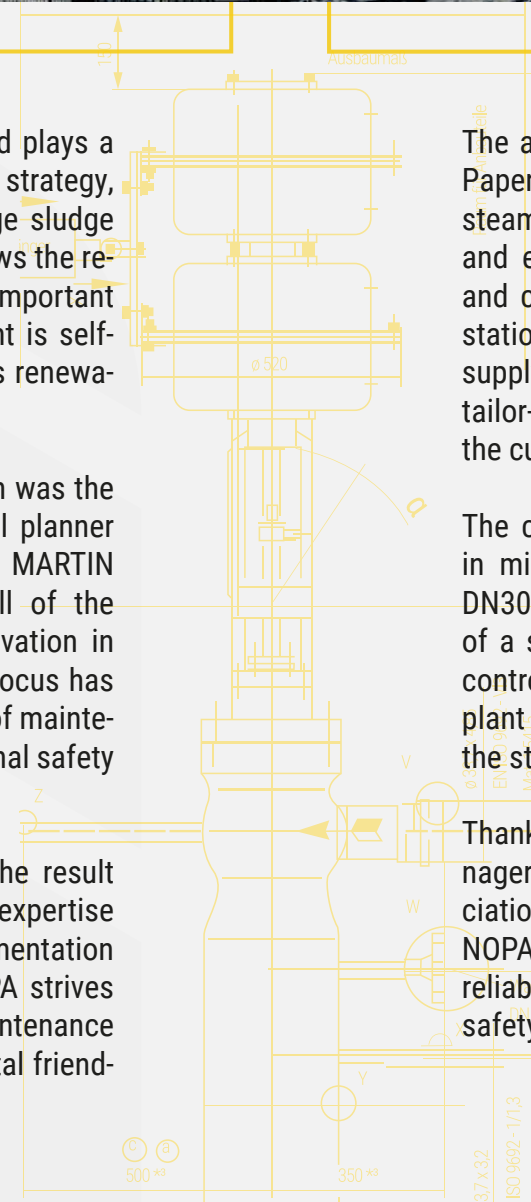
Special features:

- Customized engineering
- Focus on safety
- Complex implementation
- Efficient plant performance

The aim of the project at the Hamburger Rieger GmbH Paper Mill in Spremberg was the implementation of steam conversion stations with a focus on reliability and efficiency. NOPA played a key role in the design and construction of the steam control and conversion stations for the LEAG emergency supply and the steam supply for the new PM2 paper machine. We developed tailor-made, innovative solutions that precisely matched the customer's needs and safety requirements.

The challenge was to ensure efficient regulation even in minimum load cases; for this reason, two parallel DN300 conversion stations were implemented instead of a single DN600 station. This decision improved the control range, shortened delivery times and increased plant availability through the independent operation of the stations.

Thanks to close cooperation with engineers, plant managers and experts from the Technical Inspection Association (TÜV), the project was successfully completed. NOPA's technical expertise resulted in efficient and reliable plant performance that met the customer's high safety and operational requirements.



LEARN. SECURE. IMPROVE.

QUALITY MANAGEMENT.



WE'RE ONLY SATISFIED, WHEN IT'S REALLY GOOD.

In order to offer you unique, manufacturer-independent expertise and maximum reliability, we are constantly working on the quality of our products and services. And we are advancing day by day. Our company is measured against this claim and we have successfully achieved numerous certifications with our well-designed processes:

- Technical Inspection Association (TÜV) verification according to DIN EN ISO 9001:2015 for even higher levels of customer satisfaction, optimized processes and a minimal error rate
- SCCP 2021 certification: Management system for safety, health and environmental protection in operations
- Quality assurance system pursuant to Directive 14/68/EU (module H1) for the development, manufacture, supply and installation of customer-specific valves

Regular audits ensure the first-class quality of our services and processes, and we continue to work on the smooth functionality of our solutions.

All products ordered from our company undergo extensive quality tests before delivery to the customer.



SHUT-OFF VALVES



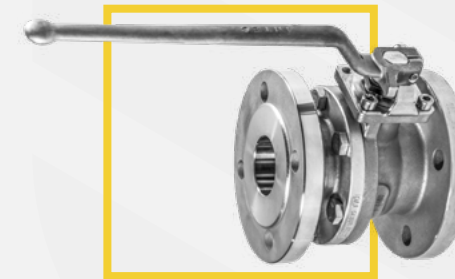
CHECK VALVES



GATE VALVES



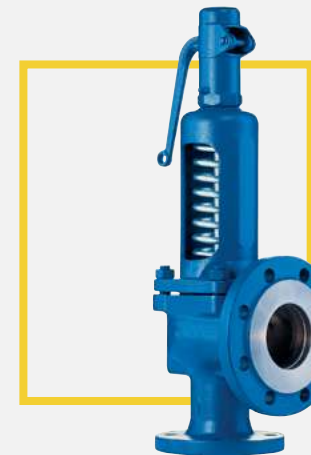
BALL VALVES



BUTTERFLY VALVES



SAFETY VALVES



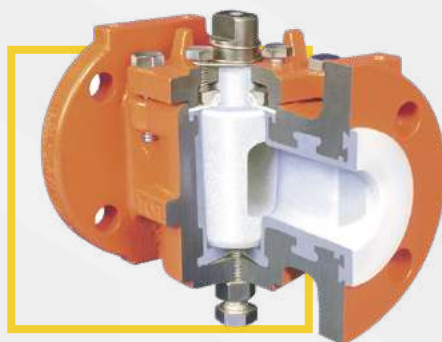
CONTROL VALVES



STEAM TRAPS



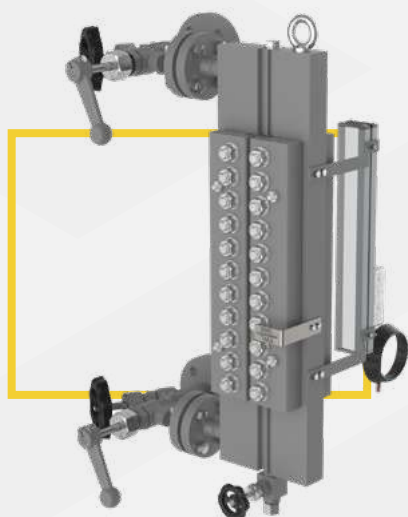
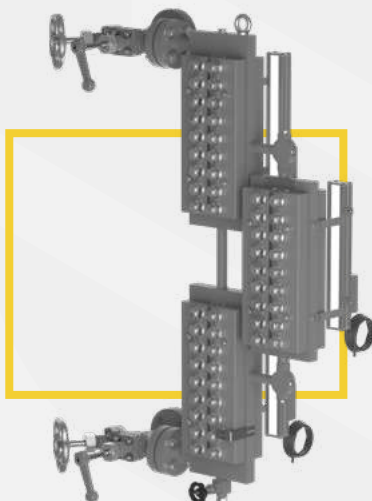
CHEMICAL VALVES



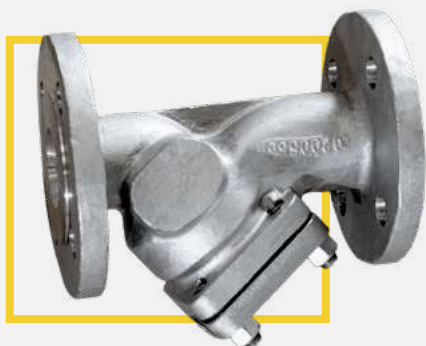
ACTUATORS



WATER LEVEL INDICATORS



STRAINERS







WE SERVICE. **YOUR VALVES.**

NOPA INDUSTRIEARMATUREN GMBH **CONTACT US.**

Eisenhüttenstadt


Zur Hütte 15
15890 Eisenhüttenstadt


 +49 (0) 3364 28 32 – 0

 info@nopa-valves.de

Bitterfeld

Rudolph-Glauber-Straße 1B
06749 Bitterfeld-Wolfen

 +49 (0) 3793 82 69 48 – 0

 info@nopa-valves.de

nopa-valves.de

[nopa_ehst](#)

[nopavalves](#)

NOPA Industriearmaturen GmbH



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WHEN IT'S REALLY GOOD.
