

XERVON®

WORKING FOR THE FUTURE

At your side



> XERVON

The XERVON companies specialise in providing comprehensive technical services – building and maintaining industrial plants and facilities for a whole range of industries

xervon.com

Together a success – all around the world

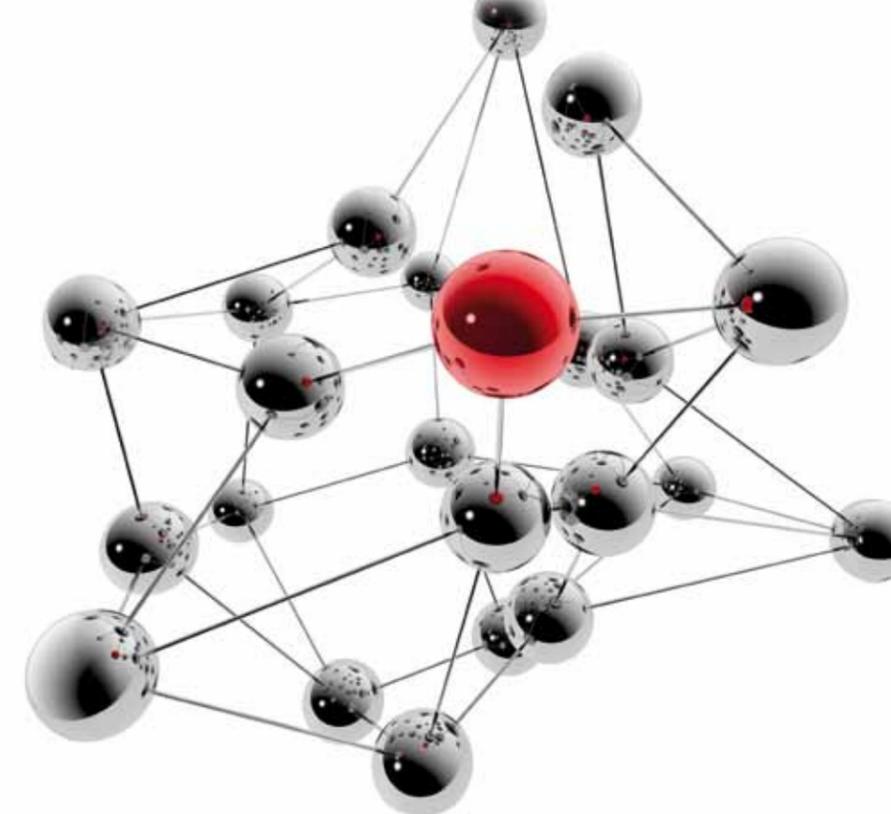
Being a specialist for technical services, XERVON is the company to turn to whenever plants need to be added to, protected and improved or new facilities built. With around 8,000 employees working across three continents, we serve customers from a wide range of industries – both at national and international level.

Contents	04	Company profile
	06	Quality // Health // Safety // Environment (QHSE)
	08	International
	10	Scaffolding
	12	Insulation
	14	Surface technology
	16	Maintenance
	18	Building preservation



More often than not, a variety of specialists are needed to perform complex tasks. They can all be found at the XERVON companies – collaborating closely to find and implement the right solutions. Reliably, safely and cost effectively

> COMPANY PROFILE



One group – many services

XERVON offers an extensive range of services that complement each other perfectly. The group's key areas of expertise are scaffolding, insulation and surface technology. XERVON, however, also collaborates closely with its sister companies enabling it to provide a wide variety of additional specialist maintenance and building preservation services.

The benefits of combined services

As XERVON can offer such a large number of highly specialist technical services, it is able to draw up bespoke solutions for its customers which it then carries out itself. The number of interfaces is reduced to a minimum, the different teams work together perfectly and all tasks can be precisely coordinated and controlled. This creates huge advantages for our customers, especially regarding time, cost effectiveness and efficiency.

Letting our work do the talking

We are among the leading companies in all of our main fields of business. Both XERVON's success on the market and its excellent reputation can be put down to its decades of experience and expanding range of specialist services – combined with its strong resources: no matter what the field, we always have the staff and material available to take on projects, irrespective of how large or small they may be. XERVON is well known for its meticulous planning work, its professional execution and for its reliability.

Well established in special industries

XERVON's customers come from a wide range of sectors, in particular from the processing industry. It primarily serves businesses working in chemicals and petrochemicals, the energy sector, shipyards and steel as well as the construction industry. No matter what the sector, however, one thing is certain: we always deliver and implement highly professional solutions.

XERVON offers a comprehensive and flexible range of technical services which can be adjusted and adapted to meet the precise needs of our customers and their projects

> A strong network

XERVON is part of the REMONDIS Group. Together with BUCHEN, we belong to the group's services division which means our customers have access to the extensive capacities of one of the world's largest water, service and recycling companies. REMONDIS operates in a wide range of areas, focusing on offering sustainable supplies of raw materials and water. Our sister company, BUCHEN, is one of the leading providers of industrial services in Europe, in particular for industrial cleaning work, services for power stations, tank services and catalyst handling.



Our employees are well aware of our QHSE standards. They must, however, always be tested and checked. Our project teams, therefore, always include experienced QHSE specialists

Being responsible – creating trust

XERVON is well aware of its responsibilities and this can clearly be seen by the way it handles the subjects of quality, health, safety and environmental protection. Accreditations and certificates document our high QHSE standards. The company's integrated management system ensures that these strict guidelines are kept to at all times.

Reliability a top priority

All our QHSE activities are based on our integrated management system, set up in accordance with DIN EN ISO 9001 and 14001, and backed up by an SCCP system and the international OHSAS 18001 standard. Thanks to these systems, XERVON meets all the requirements set out for working in sensitive environments. Our integrated management system not only guarantees our services are executed professionally each and every day but also that the processes are carefully monitored.

Work safety at all levels

Our high work safety standards are firmly established across the whole of our operations. Initiatives, programmes and training courses help raise awareness for this subject and promote best practice solutions. At the same time, they further strengthen the personal responsibility of our employees. Both XERVON's managerial team and its operatives are all work safety experts.

QHSE as a service

QHSE is not only an integral component of all our projects right from the start but also – and above all – on site at our customers. What's more we pass our expertise on to others: the XERVON companies' highly qualified specialists are sent to firms from all sectors to support them with their QHSE management systems. This service provides our customers with a reliable, cost-effective alternative to having to deploy their own staff for these additional tasks.

A prerequisite for subcontractors

XERVON believes in offering the highest levels of safety and performance which means we also have relevant QHSE standards for managing our subcontractors. XERVON only collaborates with partner companies that have been certified and approved in accordance with our stringent in-house guidelines.

Our workforce includes experienced specialists who have additional qualifications in areas such as managing dangerous substances, radiation protection and inspection technology



> Our main accreditations & certificates

- DIN EN ISO 9001 – quality management
- DIN EN ISO 14001 – environmental protection management
- KTA 1401 – quality management for nuclear plants
- OHSAS 18001 – work safety management
- SCCP – work safety management
- ISO 50001 – energy management



The XERVON companies have taken part in many different kinds of major projects – demonstrating their technical skills, their ability to solve problems and their wide range of resources. Unique weatherproof scaffolding in Sweden, complex E&I technology in the Middle East and sophisticated floor coatings in China are just three successful examples that show the true depth and breadth of XERVON's portfolio

> INTERNATIONAL

Operations on three continents

XERVON operates right around the globe. We have international branches and subsidiaries in Europe, the Middle East and North Africa as well as in Asia. Over half of all our employees work outside Germany. This means for our customers: you can collaborate with XERVON in many different countries.

Close to the market – a key success factor

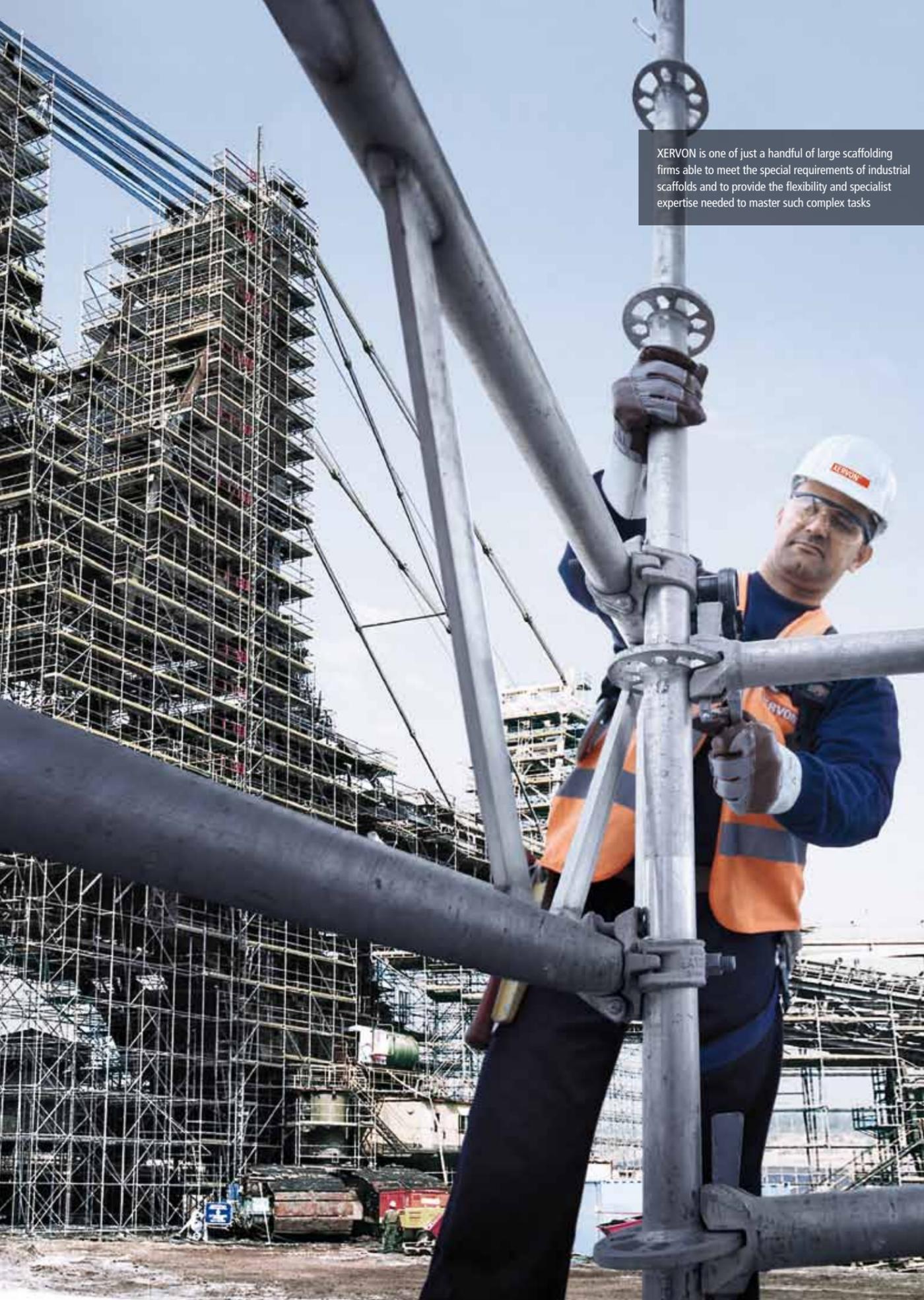
Thanks to our wide network of international branches, we can adapt our activities to meet the exact requirements of the different regional markets. Another big advantage: international companies can work with XERVON and benefit from its expertise in more than one country. We are also happy to discuss setting up special business models for such cases, e.g. joint ventures.

A strong international network

XERVON's high expectations regarding safety and performance apply to each and every one of its business locations. We work in line with the same exacting quality standards across all regions – both when it comes to QHSE and to the way we plan and execute projects. Moreover, this also includes continuously optimising our processes and always working in a resource-friendly and energy-efficient way.

No matter whether our customers are based in Germany or abroad – they all benefit from our know-how and experience, gathered from carrying out several hundred projects every single year





XERVON is one of just a handful of large scaffolding firms able to meet the special requirements of industrial scaffolds and to provide the flexibility and specialist expertise needed to master such complex tasks

> SCAFFOLDING



XERVON's key areas of expertise in this field are providing industrial scaffolds and developing bespoke special structures – in all sizes, reliably and cost effectively

Well equipped to meet your needs

XERVON is one of the leading providers of scaffolding services. Whether it be conventional façade scaffolding, complex industrial scaffolds or special structures: we are able to find a suitable solution no matter how complicated the situation. Thanks to its global network of branches, XERVON can always be found wherever professional scaffolding is needed.

Competent at all levels

Scaffolding is one of XERVON's core areas of expertise alongside insulation and surface technology. Thanks to our years of know-how, we are able to provide safe access to plants, buildings and other structures. One of the key characteristics of our work is that we always find the most efficient and most economical option. It goes without saying that we also carry out the structural engineering work needed for such projects.

Reliable resources

One of XERVON's main strengths is its ability to deploy large teams of operatives and supply substantial amounts of equipment whenever they are needed. With way over 100,000 tonnes of approved scaffolding material and a fleet of vehicles able to handle all this, the company has one of the most effective logistics systems in its industry. Our customers benefit from short lead times, fast project implementation and our ability to work to tight schedules – even when it involves more complex scaffolding plans.

Our trademark: custom-made scaffolds

In many cases, bespoke scaffolds are needed for industrial plants, shipbuilding, highway maintenance work or special

buildings, such as churches. XERVON designs made-to-measure scaffold structures for such projects, which fit the architecture perfectly and often require complex structural calculations to ensure they are suited to the local conditions and the planned work.

Proven quality

Having designed and implemented so many customer-specific scaffolding solutions over the years, XERVON has succeeded in positioning itself as an experienced specialist in its field – both for individual projects and as part of service agreements. Indeed, we have been working together with many of our customers for years now. Especially with those operating in the chemical, petrochemical and energy sectors – i.e. in industries that regularly need scaffolding to service and maintain their plants and facilities.

XERVON's scaffolding division employs over 1,000 scaffolders and scaffolding specialists. Besides drawing up new calculations, we also have an extensive structural engineering database containing the records from our previous projects

> Scaffolding: our areas of expertise

- Work & protective scaffolds
- Special scaffolds
- Access systems
- Enclosed scaffolding



Providing our customers with efficient insulation solutions to meet their exact needs, using our own workshops and well-trained staff and keeping a careful eye on long-term environmental protection – this is what XERVON stands for

> INSULATION

Efficiency determines performance levels

Insulation is a vital component of many manufacturing processes. Depending on the production system, it is used to maintain temperature levels, reduce noise pollution, minimise risks or to sustainably grow efficiency levels. What's more, perfect insulation reduces energy consumption and so helps prevent climate change.

We'll fit out your plants

XERVON supplies insulation for a whole range of different areas, offering bespoke solutions as well as standard materials and processes. As we use efficient production techniques and are not tied to any particular manufacturer, we can guarantee that the insulation we deliver and install for our customers has been perfectly adapted to meet their exact requirements.

Standard systems also need expertise

XERVON's in-depth knowledge of industrial insulation means it can provide its customers with extensive advice. As a result, it always develops the most suitable solution, helping to further improve the processes or the performance of the machines and facilities. XERVON is a reliable expert – whether it be for conventional or highly complex situations. When designing our insulation solutions, we always take additional benefits into account, for example reducing the space needed for the insulation, ensuring it can withstand extreme loads or allowing it to be easily dismantled.

Our energy for your energy

Insulation is not only vital for industrial companies so they can run a safe and cost-effective business. It also helps to

grow sustainability. This is particularly noticeable when it comes to energy as our insulation reduces consumption which, in turn, conserves natural resources and helps curb global warming.

A wide range of options

XERVON's insulation can be installed as part of a project, during regular maintenance work or during shutdowns. We are able to provide the full range of services – from consulting and engineering work, to logistics, all the way through to professionally installing the systems. Any components, which are unable to be produced on site, are made by XERVON in its own specialist workshops.

XERVON's employees have spent many years working in this specialist field, enabling them to design bespoke solutions that provide the best insulation results

> Insulation: our areas of expertise

- Thermal insulation
- Cold insulation
- Acoustic insulation
- Combined thermal & acoustic insulation
- Heat tracing
- Encapsulated / cassette insulation
- Fire protection



XERVON is also the company to turn to for special projects, such as insulating tank wagons



XERVON's blasting and coating halls give it the space it needs to handle large structures – it can even treat whole ship segments for shipyards

Long-lasting, sustainable ideas

XERVON has been a highly sought-after provider of surface technology solutions for many years now – both at home and abroad. We offer a variety of technologies that are not only suitable for protecting a wide range of surfaces and materials but also for very different applications and for withstanding diverse types of stresses and strains. A reliable way, therefore, to protect plants and facilities over long periods of time.

Layer by layer for the best results

One of our particular strengths is our ability to combine different coating materials and processes. This ensures long-lasting protection as the coating is adapted to meet the exact requirements of the case in hand. XERVON's experts not only apply the coating, they also do all the work necessary to prepare the surface beforehand – operating mobile blasting equipment or stationary blasting and coating halls on site at our customers'.

Paving the way for innovations

XERVON's coatings are used in very different types of areas. Our portfolio contains all kinds of surface technology, including complex applications such as hot spray coatings. Moreover, we make the most of our in-depth knowledge to initiate and drive forward developments in this field.

> Surface technology: our areas of expertise

- Industrial corrosion protection
- Maritime corrosion protection
- Floor coatings
- Coatings in acc. with the WHG (Federal Water Act)

Plastacor® – repairing rather than replacing parts

XERVON Plastacor combines various options to create a coating that meets the specific needs of plant components. Thick-film coating is used, for example, for tube sheets and tube lining for heat exchanger tubes. Our 'Inlets' system is applied for repairing tube inlets and outlets. The Plastacor® system is a particularly good alternative for repairing parts badly affected by corrosion and is one that saves both time and money.

> Plastacor®: areas of use

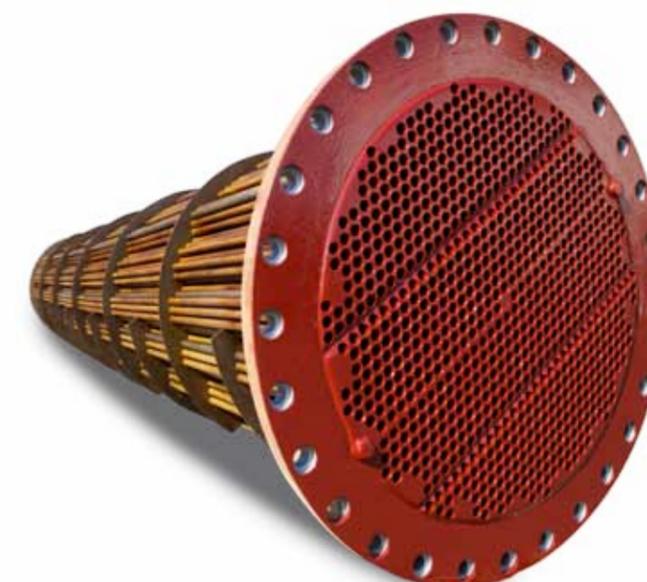
- Tube sheets
- Condenser water boxes
- Oil & air coolers
- All types of heat exchanger
- Cooling water pipes
- Containers & tanks

XERVON performs a variety of tasks, such as coating the interior of tanks used for storing liquids that are corrosive, aggressive or hazardous to water

Our independent company, XERVON Plastacor GmbH, is responsible for marketing Plastacor® and carrying out the coating work on the different plant components



XERVON has been carrying out blasting and coating work for shipyards on a regular basis for decades now





XERVON Instandhaltung carries out installation and dismantling work – during shutdowns as well as for plant construction and conversion projects

Totally committed to your facilities

Production plants should be available for use as and when they are needed. XERVON draws up efficient maintenance concepts to ensure operations run smoothly and levels of reliability are increased as well as to prevent unexpected downtime. Moreover, we free up time for our customers by carrying out non-core tasks for them and taking over full operation of industrial and chemical parks.

Flexibility a key strength

XERVON has been providing its customers with professional maintenance services for over 45 years now. Our extensive range of expertise in this field has been pooled together in our company, XERVON Instandhaltung GmbH. No matter whether it involves a single unit, a complex facility or full management of an industrial site: XERVON always meets its customers' needs, providing them with individual services or a full maintenance package – also as an outsourcing project or as part of a long-term service agreement with budget responsibility.

A partner with many different skills

Our operatives inspect, service, repair and optimise all types of rotating equipment including valves and fittings. The complex electrical and instrumentation (E&I) technology is also one of XERVON's specialist areas. And, when it comes to condition monitoring, we keep a constant eye on our customers' machines by measuring their performance both online and offline. This enables us to accurately localise and plan any necessary maintenance and repair work.

Experts for managing sites

XERVON always takes the whole picture into account when it comes to maintenance work. Its portfolio, therefore, also includes additional related services. Thus, for example, we also manage infrastructure facilities such as fire detection



We install, check, service and repair complex electrical and instrumentation technology

systems and environmental analysis laboratories, take on logistical tasks such as in-house transport systems or operate ancillary plants on behalf of our customers, e.g. to treat water or supply them with energy and media.

Our specialty: shutdown management

Large-scale plants must, by law, be shut down and overhauled at regular periods. XERVON is one of the leading providers of technical services for these highly complex projects. Thanks to our years of experience, we are able to manage very different kinds of shutdown. Our portfolio ranges from planning the budget and time needed as well as the project itself, to executing the tasks professionally and within schedule, all the way through to restarting and carrying out a final inspection of the facilities, including detailed documentation of all work.

We have access to the qualified specialists deployed by FMS Facharbeiter und Montage-service GmbH and IPS Industrial Plant Services GmbH so we can react flexibly and provide a consistently high level of service during peak periods, e.g. during shutdowns

> Maintenance work: our areas of expertise

- Repairing, servicing & maintaining E&I and rotating equipment
- Repairing, servicing & maintaining fittings and valves
- Operating ancillary facilities
- Materials management
- In-house logistics
- Infrastructure services
- Site management
- Shutdown management



Supplying energy and media is just one aspect of a comprehensive site management concept

XERVON Bauwerkserhaltung offers a comprehensive range of craftsmanship services that focuses on energy efficiency, the latest environmental protection standards and sustainability



> BUILDING PRESERVATION



XERVON Bauwerkserhaltung's core areas of expertise include improving building energy efficiency levels and upgrading blocks of flats

A future for buildings

Our company, XERVON Bauwerkserhaltung GmbH, offers a substantial portfolio of building preservation services for residential buildings, commercially used properties, industrial plants and special structures. Thanks to our high levels of expertise and our extensive range of equipment, we are often called in to help with large-scale building development work or projects that require a variety of different trades.

An all-round specialist for all types of building

XERVON Bauwerkserhaltung's main areas of expertise are repairing, modernising and converting buildings. With over 50 years' experience, we are able to assist the residential and real estate trade, industrial and commercial businesses as well as local authorities. Our focus is not only on improving the appearance of buildings but also on carefully preserving their structure.

A full package of repair services

If projects need a variety of different trades, then XERVON Bauwerkserhaltung offers a full package of services that covers each and every requirement. Acting as general contractor, we coordinate all the services (both those provided by ourselves and external firms) needed for industrial, commercial and residential projects – from concept to completion.

Repairing concrete: a complex field

One of XERVON Bauwerkserhaltung's specialist areas is renovating buildings or building sections made of concrete and reinforced concrete. Extensive specialist know-how is needed to carry out this complex renovation work as well as top quality workmanship and an in-depth knowledge of the materials. Besides buildings, XERVON also renovates special structures such as reservoirs, bridges and tunnels.

Modern craftsmanship for roofs and façades

XERVON develops and implements a wide variety of integral solutions for roofs. We know all about roof insulation, lightning protection systems and green – or living – roofs. Our paint and façade work is just as wide ranging. Moreover, our portfolio also covers improving building energy efficiency levels and removing hazardous substances as well as demolishing or gutting buildings.

Our building preservation division focuses on delivering sound project management and top quality craftsmanship, no matter what the trade



Our concrete repair experts also specialise in renovating chimneys and cooling towers

> Building preservation: our areas of expertise

- Turn-key refurbishment
- Concrete repair
- Roofing
- Paint & façade work



WORKING FOR THE FUTURE

XERVON is part of the REMONDIS Group, one of the world's largest recycling, service and water companies.

The company group has more than 500 branches and associated businesses in 34 countries across Europe, Africa, Asia and Australia. With over 30,000 employees, the group serves around 30 million people as well as many thousands of companies. The highest levels of quality. Working for the future.

**XERVON GmbH // Head Office
Emdener Str. 278 // 50735 Köln // Germany
T +49 221 7177-600 // F +49 221 7177-338
info.xervon@xervon.com // xervon.com**

A company of the REMONDIS Group