

RAS

PIPELINES IN BESTFORM



THE PIPELINE SERVICE

Safety – with no compromises. Quality you can depend on. A dedicated team.

Reliable functioning and consistent maintenance are critical to the efficient operation of any pipeline. Along with considerably greater cost-efficiency, significantly longer working life and maximum environmental sustainability. Proven safety, dependable operation, sustainable maintenance: that's the RAS Pipeline Service. And our clients keep coming back for more. Their projects have been helping to build our reputation for nearly two decades now. All over the world, wherever world-class pipelines are needed, RAS delivers.





RAS Rohrleitungs- und Anlagenservice GmbH:

Since the early 1990s, our capability to provide excellence in pipeline-related services has seen steady development and expansion. With commissions from leading players in the international pipeline industry and in the energy sector, we are recognised and trusted around the world as independent specialists.

Specialists in pipeline safety (with non-destructive testing), reliable pre-commissioning and commissioning of pipelines as well as high-performance cleaning and maintenance. Onshore, and also offshore – where we are experiencing particularly strong growth. Certified by Det Norske Veritas to ISO 9001, 140001; OHSAS 18001 & SCCP.

RAS is Europe's leader in testing, cleaning and maintenance for pipeline construction in extreme conditions. These tasks require a range of high-performance machinery and equipment – and the dedicated fleet at RAS is unique. Specialist know-how in engineering, project management and manpower and, crucially, also a determination to achieve the client's objectives – these are the strengths of the RAS team. Without them, such projects would simply not be feasible.

A capable team, a determination to succeed, top-quality equipment and an enviable reputation for dependability: it all adds up to our success. Our customers know they can count on us, and they trust us – 100%.

RAS is reliable, flexible, gets the job done and meets the deadlines – from the preliminary design through to completion of the inspection report. We have proved it time after time. Not only on major orders like the BTC project and the Trans-Caucasian oil pipeline but also on a large number of individual assignments in virtually every corner of the globe.

RAS – we deliver more. And for us, that's what it's all about.

Our range of services

- Hydrostatic and air-pressure tests
- Stress tests
- Chemical and mechanical pipe cleaning
- In-line inspection of pipelines
- Leak tracing and pig detection
- Air-drying of pipelines
- Production, sale and hire of pigs and pressure-testing equipment
- Personnel services
- Engineering for pre-commissioning service
- Pressure-test equipment hire (filler pumps, high-pressure pumps, compressors, etc.)

SAFETY WITH NO COMPROMISES

RAS pressure tests – safety assurance

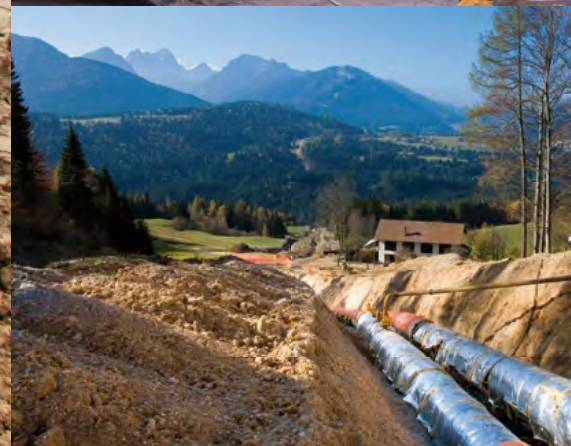
Human and environmental safety is the critical point in the construction and operation of pipelines. For our clients – blue-chip companies in the international energy and pipeline markets – high-pressure-resistant pipeline safety is a non-negotiable and absolutely basic requirement. Our customers want the assurance that their pipelines are safe.



Non-destructive testing and reliable determination of guaranteed pressure resistance is the safety "passport" for pipeline construction. The tests of imperviousness and strength conducted by RAS using air, gas and water are our most important tasks in the pre-commissioning of pipelines.

Functional and operational safety, limitation or avoidance of stresses, as well as reliable checking of system design, manufacture, laying and choice of materials are the criteria that will determine safe, cost-efficient deployment.

RAS pressure tests are conducted under operating conditions – but with extremes of pressure that would never occur during system operation. The tests, reports and documentation comply with certified specifications. With our RAS test report, pipeline safety is exactly what we stand for. And our clients feel good, because they know they made the right choice.



ADDED VALUE FOR PIPELINES

Cleaning, drying, servicing: we do more for the pipeline

Each day of the long service life, each gain from improved cost-efficiency, each benefit from trouble-free operation make the major investment in a pipeline a better deal. And we make sure of that: with RAS Service for cleaning, drying and maintenance – added value for pipelines.





Chemical and mechanical pipeline cleaning

Pipeline cleaning is a job for professionals. The many different kinds of systems and the completely different types of soiling that can occur call for a lot of experience with the different possibilities of chemical and mechanical cleaning processes. Above all, though, deploying RAS pigs in the most diverse designs and applications demands expert know-how.

Drying of pipelines and stations

Residual water and moisture can have an extremely negative impact on the service life and cost-efficient operation of a pipeline. Hydrate formation narrows the pipe cross-section and thus reduces efficiency; formation of corrosion or hydrant deposits jeopardise operational safety and the service life of the pipeline. That is why RAS Service for drying of pipeline systems is so important.

Engineering for pre-commissioning service

For the planning and implementation of pressure testing, cleaning, drying as well as co-ordination of subcontractors in the implementation of intelligent pigs, RAS offers its clients comprehensive engineering concepts.

A pig for every purpose

- Disc pigs
- Brush pigs
- Magnetic pigs
- Scraper pigs
- Polly pigs
- Foam pigs



THE RIGHT TEAM FOR THE JOB

Planning with vision, engineering with know-how and doing it all with power

A company is only as good as the people who do the job. That's why the people on the RAS team are the best you can get. Experienced experts, highly qualified, motivated employees, engineers, technicians, workers, commercial managers. And all have one spirit – a single goal: to give of their best in order to achieve great things.





Our capable, motivated employees are the basis of our success. Because only experts and a team of experienced go-getters can handle projects of the calibre we are entrusted with every single day.

Highly trained specialists – mechanics, test engineers, process technicians, logistics experts – work in the RAS team, independently and responsibly, flexibly and autonomously, at sites all over the world.

Our company owes its good reputation to them. They are reliable. They deliver. They are full of ideas and energy. They make suggestions, and solve problems. Having a team like that enables us to stay close to our clients while also working at optimum efficiency. That's the edge we use time and again to prove that RAS is the right partner for our clients.





TECHNOLOGY MAKES THE DIFFERENCE

Equipment, vehicles and machinery: Measurably superior

And RAS has another strength: Our technical equipment sets the standard for pipeline services. Mobile testing units including high-performance pumps and compressors, metrology equipment, pig manufacturing facilities, our own workshops and handling equipment – RAS is fully equipped with state-of-the-art technology.

Alongside the expertise inherent in the team, the effectiveness of our technical equipment is the second vital component that determines our success in the marketplace. We use the latest technology. Having the best tools and equipment constantly at our disposal, available for deployment anywhere and ready for use at any time, gives us flexibility, autonomy, and the capability to master even the most unusual of projects and meet the most demanding specialist requirements.

We have our own metrology and maintenance workshops, so we always have access to all the equipment we need. Sensitive precision equipment is checked, serviced and calibrated on a continuous basis. By our own experts. High-performance pumps and drying units are prepared for use according to the needs of the individual project. That's the way to work: successfully – according to plan.

A look at our machinery

- Filling pumps 360 m³/h; max. 80 bar
- Feeder pumps 200 – 400 m³/h; 4 – 10 bar
- High-pressure filling unit 320 m³/h; 1,000 l/min; 45 – 250 bar
- Mobile filing and high-pressure pumps (combination units) 200 m³/h; max. 40 bar, 500 l/min
- High-pressure pumps 10 – 1,000 l/min 200 – 1,000 bar
- Compressors 1,600 m³/h; max. 25 bar
- Compressors 2,600 m³/h; max. 12 bar
- Air drying systems 1,450 – 5,000 m³/h
- Instrument containers 10 and 20 ft containers
- Generators 27 – 110 kW
- Lorries With and without crane



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ISO 9001 – ISO 14001
OHSAS 18001 SCCP