



RESPONSIVENESS
RELIABILITY
TRACEABILITY



ROBINETTERIE SERVICE

**SPECIALISTS IN INDUSTRIAL VALVES FOR THE PETROLEUM,
PETROCHEMICAL AND PROCESS INDUSTRIES SINCE 1981.**

INDUSTRIAL VALVES / SAFETY VALVES / CONTROL VALVES / AUTOMATIC VALVES



WHO ARE WE?

MALBRANQUE is a well-known and recognized name in the field of industrial valves and its products can be found in refineries and petrochemical sites around the world.

The company's knowledge and know-how has now been acquired by ROBINETTERIE SERVICE.

Over 40 years of experience in the field of industrial valves.

Our services cover all our customers' needs for the maintenance of their industrial valves.

In addition to scheduled maintenance operations carried out in our various workshops, our experienced mobile teams also work at our customers' facilities conducting both preventive and corrective maintenance.

We have the human and material resources we need to process large volumes of valves and to bring them back into conformity during major technical shutdowns, and we can do this both on-site and in our workshops.

Our dedicated workshops are equipped with the special tools and machinery necessary to repair and manufacture all components essential to bringing systems back to conformity.

Thanks to their manufacturing experience, our staff are recognized as true experts in industrial valves.



Our workshops can
handle valves of all
types, brands, series
and diameters.

NOTRE PROFESSION- NALISME





CAPABILITIES

Located geographically close to our customers, our group's various sites work together to optimise their activities and resources in order to **provide solutions adapted to each of the needs expressed.**

We are listening to our customers in terms of setting up new workshops in the context of long-term collaborations.

5

Sites

120

Employees

1 200

Devices processed in 5 weeks
during major technical shutdowns

**Key
indicators**

2 500

On-site interventions/year

10 000+

Devices overhauled/year

25 000 M²

Workshop area

Over 40 years of experience in the petroleum and petrochemical industries.

Strengths

The competence and experience of our employees:

Service relies on its experience, skills, know-how and human and material resources at to **bring your devices back** into conformity.

Responsiveness:

Being well aware of our customers' requirements, our staff are familiar with **urgent interventions**, during the day and at night, during the week and on weekends, or on public holidays.

Logistics resources:

Robinetterie Service has a large fleet of vehicles able to handle urgent and regular transport operations as required by your production needs.

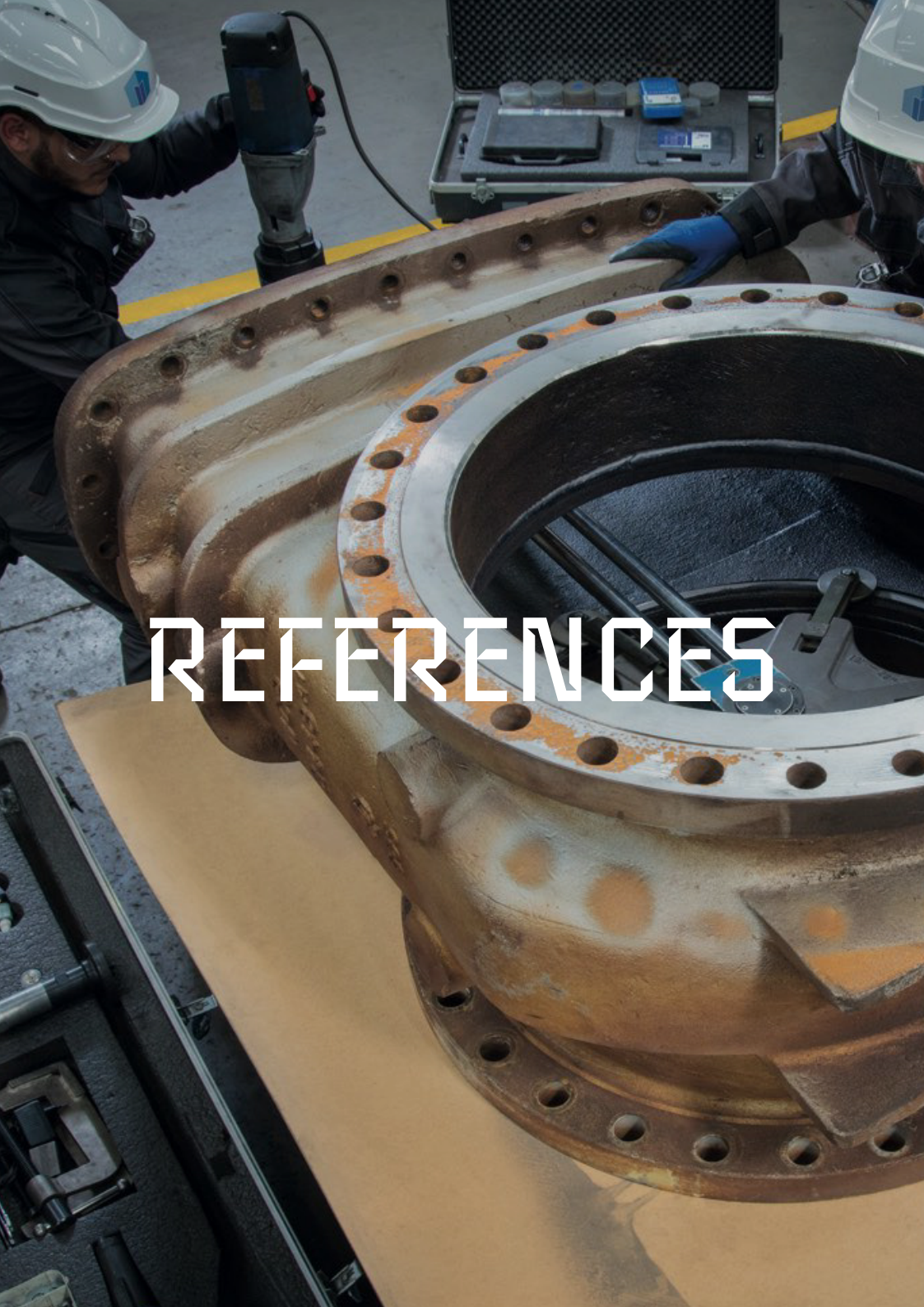


Connected services:

Being aware of the regulatory needs and imperatives confronting its customers, Robinetterie service has developed specific tools and skills enabling in-situ work to be performed:

- Grinding/lapping of sealing surfaces in-situ for devices that cannot be removed.
- Performance of Kellog tests in-situ on isolated safety valves (**Her Test principle**).
- Performance of trigger tests and determining the ratings of safety valves under load (**Flow Test principle**).
- **Re-certification** of pressure devices (exchangers, tanks, etc.) with acceptance by approved organizations.





REFERENCES

A few of our customers...

Oil refineries, petrochemical plants and chemical plants have always represented an important part of our business.

Having a good understanding of their expectations, we have enjoyed their trust for more than 40 years.

We have historically created branches near these large platforms in order to be able to handle rapid interventions on a day-to-day basis.

Our geographical distribution extends our scope throughout the national territory.

What is more, over the past decade our group has extended its services to cover a wider and particularly diversified clientele (agro-food, energy, steel industry, incinerators, boiler rooms, distilleries, sugar factories, etc.). Our group also remains attentive to additional business opportunity that may arise.



Precursors of valves.

MALBRANQUE is a well-known and recognized name in the field of industrial valves and its products can be found in refineries and petrochemical sites around the world.

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1948

The MALBRANQUE family starts out in the manufacture of valves and fittings and quickly becomes a global benchmark.

1979

Jean-Luc MALBRANQUE founds the company bearing his name and develops a valve maintenance business for the petroleum and petrochemical sectors.

1981

Along with its maintenance activities, the Jean-Luc MALBRANQUE company starts manufacturing valves of its own design.

1988

Jean-Luc MALBRANQUE decides to refocus and develop the business towards the maintenance of industrial valves.



HISTORY





EXPERTISE



INDUSTRIAL VALVES

All our workshops handle the supply and maintenance of industrial valve equipment of all types, all diameters, all series and all brands.

- **Valves** (wedge gate, parallel, butterfly, guillotine, slide valve, antisurge, alkylation, autoclaves, etc.)
- **Spigots** (valve-type, ball or cone, piston, changeover, tank, Eurochlor, etc.).
- **Check valves** (flapper, ball, shock-free, recirculation, autoclaves).
- We also supply **levels, regulators and filters etc.**

This list is obviously not exhaustive...



Our customers are required to keep their safety valves in perfect working order both for the safety of their facilities and from a regulatory standpoint.

Our workshop staff have the experience and skills required to bring safety devices into conformity and to inspect them, regardless of the type, size or manufacturer. Spring-loaded valves, Breathing valves and pressure/vacuum valves, Counterbalance valves, Low pressure valves, Vents, Regulators, Vacuum breakers.

Our computerized test benches are equipped with ultra sensitive pressure and displacement sensors to record the tests performed. This equipment can also print out pressure rise and tripping curves on time charts, presenting the minimum/maximum limits of $\pm 3\%$ either side of the target pressure.



SAFETY VALVES

REGULATORS AND AUTOMATIC VALVES

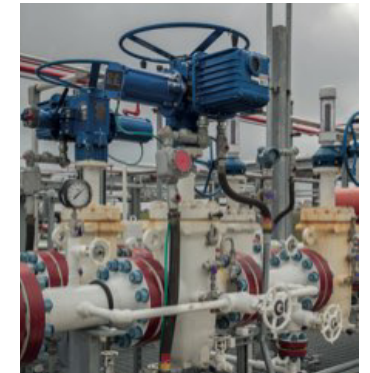
Automatic valves and control valves play a major role in the automation of industrial manufacturing processes.

To optimise their production processes, our customers must be able to rely on competent and experienced partners who have full knowledge of these technologies.

In addition to these essential skills, Robinetterie Service can respond immediately to your needs with full knowledge of your production requirements and with an awareness of the operating losses inherent in production stoppages.



PNEUMATIC
ACTUATORS



ELECTRIC
ACTUATORS



HYDRAULIC
ACTUATORS

CONTROLS AND TESTS

On-site and in-situ testing

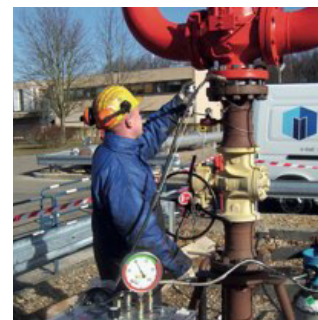
Production shutdowns, however brief, are always extremely costly. To avoid these types of expenses, Robinetterie Service offers its customers two types of specific tests which avoid heavy removal/refitting operations and crane operations. Adjoining lines can also be kept in use during external inspection and testing operations.

We have developed our own range of light mobile equipment enabling us to carry out checks on your devices on site, even if they are difficult to access.



FLOW
TEST

These include the Flow-Test system which can perform trip tests and determine the calibration value of a valve while in operation.



HER
TEST

The Her-Test system, used to perform true leak tests on valves and safety valves (Kellog test) on site when they can be isolated.

These two processes enable us to check the operation of your devices, the results are then provided in standardised reports.



SKILLS

WE CAN REPAIR, FABRICATE AND SUPPLY REPLACEMENT PARTS

With our experience as a JL MALBRANQUE manufacturer, we have the expertise and skills required to repair or fabricate any spare parts that may be required to bring your devices back into conformity.

Unlike the majority of valve repairer companies, we are able to return your devices with new internal parts even when they are no longer available on the market or the original manufacturer no longer exists...

Our skills, which exceed those of other valve maintenance companies, enable you to keep using equipment which might otherwise be rejected due to lack of spares.

We possess **a large range of machine tools** enabling us to machine all sizes of valves and spare parts. **Our special lapping and glazing machines** ensure optimal sealing results for your equipment.

Our skills cover:

Actuation rods and Threads:

Grinding of the smooth parts of actuation rods to remove all traces of corrosion or lamination. We can also re-thread actuation rods and their nuts if the threads have become deformed.

Rectification of side flanges and joint faces:

Correct external sealing of devices is essential to ensure the safety of both the staff and the facilities. The joints between the units and their pipes therefore require perfect surfaces free from defects. Unfortunately, it is common to see repairer technicians "sanding" these flanges which then lose their parallelism and machining grooves over time, while it is precisely these which ensure the tightness of the connection by making an impression inside the joint.

As we possess the required machines and skills, we can re-machine these parts to make them parallel again, and re-machine the grooves with the required roughness defined in the standards.

Repair by welding the sealing faces of the devices:

The sealing faces of the seats and shutters are sometimes so worn or have become so deteriorated through "sanding" by other repair companies that they are completely outside the required tolerances. Our workshops are able to replace missing material on load-bearing surfaces by deposition (generally 13% Cr or grade 6 Stellite with stainless steel underneath). After deposition, these load-bearing surfaces are rectified on parallel lathes, vertical lathes or boring machines before being lapped and then glazed.

REPAIRS



FABRICATION

Fabrication and replacement of threaded and welded valve seats:

A valve with a seat which is deteriorated or outside of tolerances should not, however, be discarded. We can extract these deteriorated seats by chipping, re-machining their housings, fabricating them and replacing them in the valve, which can then be reused for an identical or an even longer period.

Fabrication of spare parts:

We can fabricate threaded and welded seats, actuation rods, rod nuts (actuation nuts), forged gland seals, PTFE seat gaskets, nozzles, valves, etc...

When a spare part cannot be obtained in time for technical shutdowns, Robinetterie Service will use its expertise to supply replacement parts in full compliance with the applicable regulations.

Pure forged graphite cable glands:

We possess moulds and can make moulds to produce pure graphite rings sized to the diameters of the actuation rods and stuffing boxes for valves handling particularly aggressive products.

After forging in a hydraulic press, these rings are stacked between two anti-extrusion braids, making it possible to produce gland seals for difficult lines such as steam networks.

Although we are able to manufacture these types of parts, Robinetterie Service will always suggest OEM parts be used.



Over the years, ROBINETTERIE SERVICE has developed a large number of contacts with manufacturers and suppliers enabling it to provide appropriate responses that fully meet its customers' requirements.

We can supply spare parts for all types of industrial valves, safety valves, automatic valves and control valves, and also for more specific devices such as glass levels and magnetic levels, shutters, regulators, etc.

Lastly, the decades-long relationships we maintain also **enable us to supply spare parts for devices that are no longer being manufactured.**



SUPPLY OF SPARE PARTS



A man with a grey beard, wearing a white hard hat with a blue logo, safety glasses, and a dark blue work shirt, is working on industrial machinery. He is positioned in the foreground, leaning over a large, rusted metal valve with a handwheel. The background shows a complex industrial facility with various pipes, scaffolding, and large storage tanks under a clear blue sky. The text "MAJOR TECHNICAL SHUTDOWNS" is overlaid in white, bold, sans-serif capital letters across the center of the image.

MAJOR TECHNICAL SHUTDOWNS

EXPERTISE IN MAJOR TECHNICAL SHUTDOWNS

+ 1,200 jobs
completed
during a
5-week
technical
shutdown

Technical shutdowns are critical periods for all our customers.

Robinetterie Service has been providing support to major contractors during these delicate operations for many years now.

Our staff are **skilled and experienced** in leading such projects and they know how to minimize customer risks.

Our staff can handle all your requirements with **efficiency and reliability**.

In order to cope with the volumes in question, Robinetterie Service can call on **staff from its various sites to provide experienced and qualified valve manufacturers** capable of handling the work within the required deadlines, both on-site and in the workshop.



Robinetterie Service supervisors are made available throughout major technical shutdowns to provide assistance and advice.

SUPERVISION DURING MAJOR TECHNICAL SHUTDOWNS

1

First-class supervision

The supervisor will provide assistance during preparation for the shutdown and during all work, they act as the interface between your company and the office in charge of the project.

They will monitor the removal, decontamination, provision and proper reception of devices in storage areas before they are sent to the workshop. He also oversees their return.

Being present through the key stages of all operations associated with the repair of the devices, they can provide real-time reports on the progress of the shutdown and warn of any anomalies, damage and non-conformities that could impact the smooth running of the work.

2

An efficient logistics service

During major technical shutdowns, we make daily shuttle runs between your site and our workshops to ferry equipment and staff such as workshop maintenance crews.

We use our own fleet of vehicles to provide a fast and efficient service, whether for scheduled interventions or to respond to emergency requirements.

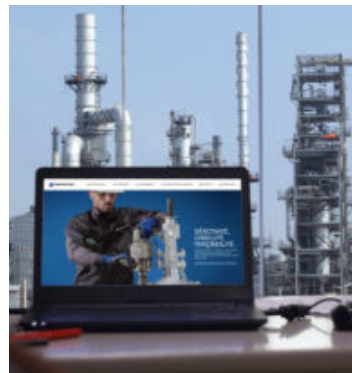
We have a fleet of light vehicles, vans, trucks, flatbeds and heavy goods vehicles equipped with cranes, as well as a workshop truck to support activities at the site.

These vehicles are loaded and driven by company staff who can also notify you of discrepancies and visible anomalies when your devices are loaded into the storage area.

3

Reporting

Each of the stages in which we take part are rigorously recorded in a computerized progress reports showing the progress for each device: the inventory date at your site, the shipping date, reception at the workshop, assessments, repairs, arrival at the test bench, shipping, acceptance at your site and refitting, if this is done by us.



4

Inspection and audits during shutdowns

We work with our customers in a spirit of partnership and total transparency.

We therefore ask contractors to send inspectors to our workshops during major technical shutdowns to monitor maintenance operations performed on their devices in real time, and also to provide their expertise and perform tests and checks.

5

Reduction of customer stock

In order to shorten the time required for technical shutdowns, our customers are often required to build up large stocks of spare parts, many of which are subsequently found to go unused.

To help you reduce significant and continuous increases in inventory, we can work with your storage facilities to identify your actual needs and to supply missing parts.

Lastly, during shutdowns, our experience as a manufacturer enables us to fabricate any missing spare parts within the deadlines required.



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