

# Themis

Biotechnology & Life Science



## THEMIS SERVICE

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# Profile

**Themis experience is at your disposal for consultancy and specialist industrial maintenance services in national and international markets.**



Themis S.p.A is a company specializing in the development, design, construction of plants and solutions with high technological efficiency necessary for the exploitation of renewable sources with the aim of reducing the environmental impact and reusing the materials treated.

Themis proposes itself as a reference point in the Circular Economy and has as its objective the application of innovative technologies for waste reduction and optimization of the use of energy resources.

Themis, in addition to being specialized in the

design and construction of industrial plants, provides an after-sales service by carrying out maintenance activities for industrial plants and complex machines.

Themis can count on the collaboration of a team made up of engineers and specialized technicians, able to respond to any type of design and technical assistance need with maximum efficiency and reliability. We operate in full compliance with the rules and laws of the country in which we work, with the utmost attention to the safety of people and the environmental impact.



# Pumps and Valves Service



We are among the most qualified companies in the field of pump and valve maintenance. We use technical controls aimed at avoiding the sudden blocking of plants, integrating with framework contracts and relying on the predictive maintenance system. As part of the service and maintenance of the pumps, we provide personalized technical assistance (with checks, inspections and improvements); maintenance and repair directly at the customer's premises; planned preventive maintenance (during plant shutdowns).

We carry out specialized repairs.

Following the disassembly of the components, we draw up detailed inspection reports, which include our proposals, both for any repairs and for the most efficient and effective performance planning, or for the replacement of the damaged component with another one of new construction.

We support the customer by making the technical choice of the most suitable component for the type of system.

On commission, we take charge and return the equipment subject to review on site.

We use a network of highly qualified collaborators for verifications and inspections thanks to which we ensure the optimal functioning of the systems.

We offer top-level assistance in industrial valve maintenance: for power plants, refineries and the petrochemical, chemical and food industries. We operate in compliance with the most widespread customer needs: speed, adherence to the discipline of the sector and the rules for safety.

We offer our consultancy as a sole interlocutor, capable of guaranteeing all the necessary interventions for functional restoration or replacement of assets.

Our services are characterized by timeliness, effectiveness and efficiency for valves of all sizes, materials and brands, shut-off valves, regulation and safety. We are able to provide scheduled maintenance on large batches of valves both during plant shutdown and during normal production activity; we guarantee on-site intervention by our technicians for maintenance and extraordinary overhaul, with a timing of up to 48 hours. We also offer general overhaul service and specialized technical advice on valve performance.

During the revisions, we carry out the reconstruction of spare parts for all types of valves: the spare parts are built with optimal materials of the same or better invoice than the originals. We also keep detailed documentation on our auditing activity that allows us immediate consultation for any type of need.



# Checks, Inspections and On-Site Assistance

In detail we inspect:

- smooth operation of pumps and motors;
- shaft seals, wear parts (both fixed and rotating);
- the smooth operation of the control equipment;
- the reintegration of oils and fats;
- the alignment of the couplings;
- valves and pipes;
- electronic control systems;
- mechanical seals (with replacement if at risk)

## THE ADVANTAGES OF OUR INSPECTIONS

- downtime for necessary repairs is avoided with maximum reliability
- a single stop for services and checks
- we guarantee the optimal functioning of the systems thanks to the necessary replacements of the parts at risk
- supply of the necessary spare parts thanks to an efficient network of leading accredited suppliers
- competence and ability at the highest levels of all our operators



We have been following the major Italian industries that deal with production for a long time.

We operate in compliance with the rules and laws of the country in which we work, with the utmost attention to the safety of people and the environmental impact.

We employ highly specialized professionals thanks to whom we ensure the full operation of all the plants and process equipment maintained, without any interruption.

We carry out checks, inspections and repairs directly on site, we evaluate the correspondence between the design-plant objectives and the actual performance detected.

We activate and implement the optimal improvements for the proper functioning of the system and equipment. We carry out the control and measurement of thicknesses, vibrations, noises and characteristic curves, to avoid the sudden blocking of the systems, to improve their efficiency and extend their average life.

We are able to provide timely and flexible support, thanks to the presence of our operators throughout the national and international territory, and to the use of mobile workshops equipped for the execution of the most demanding jobs.



# Customer Partner 365 d/y, 24 h/d.

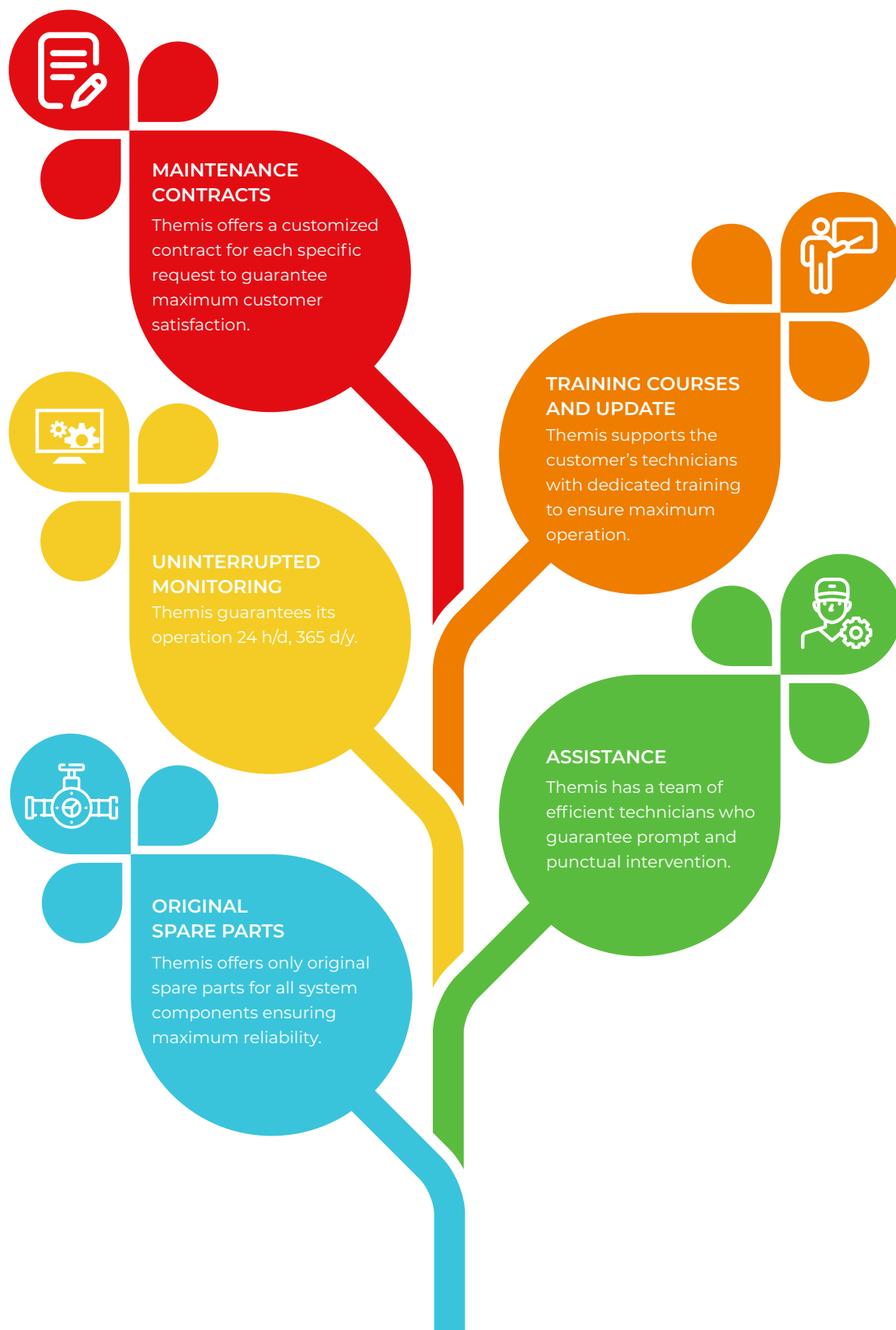


Performance, reliability, efficiency are the characteristics that distinguish our services.

**SERVICE:** a large chain of specialized technicians engaged in the assistance and maintenance of many industrial and process plants in Italy and around the world.

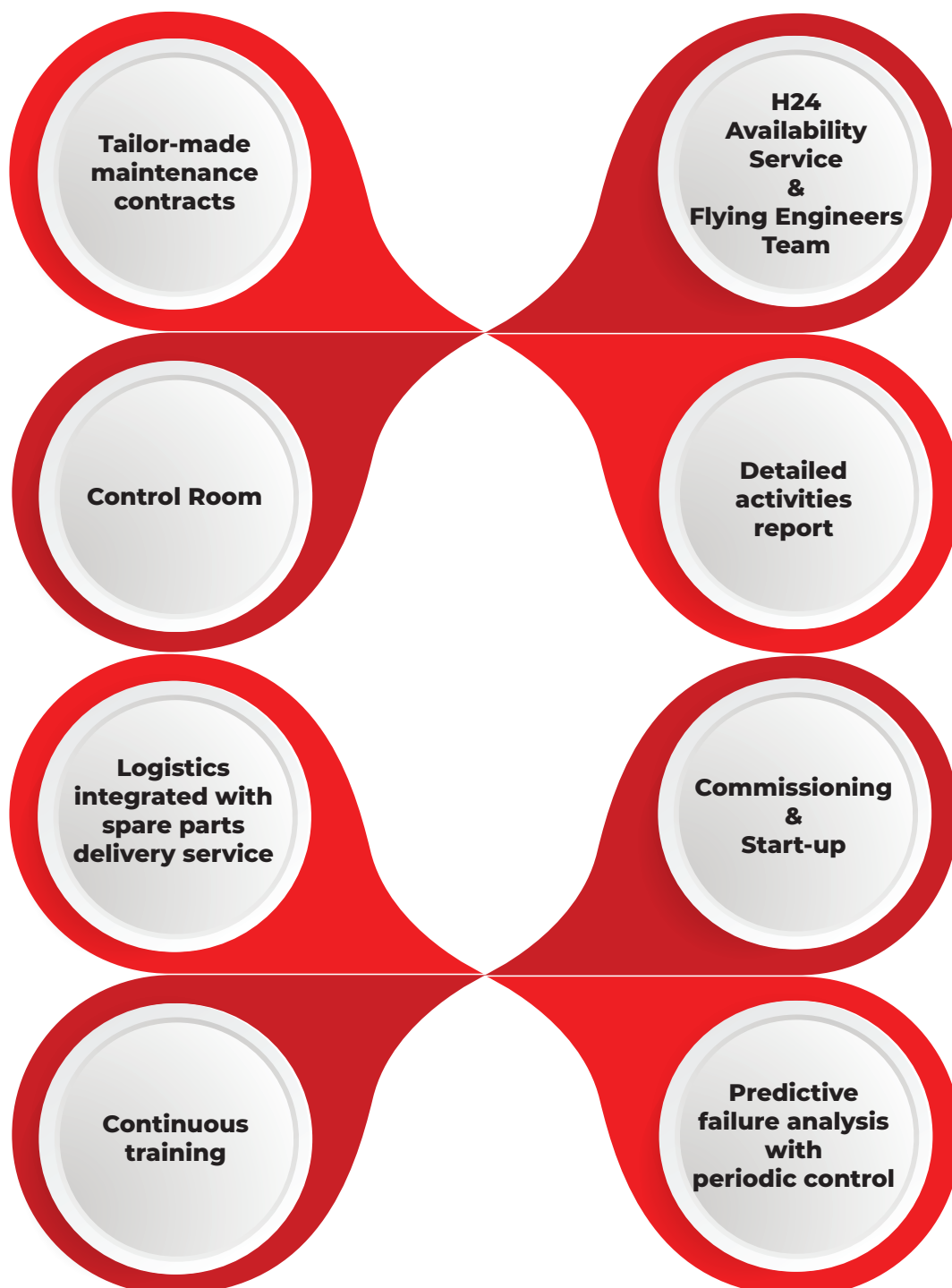


# The Maintenance Process



# Activities and Services

**A qualified team of experts is at your disposal for planning the maintenance of your systems and equipment.**





# Control Room

**Themis can remotely monitor and manage systems installed all over the world.**



Thanks to the use of the most innovative IoT technologies, Themis is now able to offer its customers a 24-hour monitoring service for process plants and machinery. Continuous monitoring allows you to significantly reduce extraordinary maintenance costs thanks to the predictive analysis operated by the “Genesi” software.

This software is an innovative artificial intelligence system applied to industrial plant engineering that increases its effectiveness by optimizing maintenance management.

The “Genesi” software is characterized by its cutting-edge features such as innovation, efficiency and reliability.



# Quality and Efficiency

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**Themis offers a quality after-sales and maintenance service that allows you to obtain numerous advantages.**



Reduction of extraordinary maintenance stops.



Obtaining the best result in the shortest possible time.



Significant reduction of investments in new components and equipment.

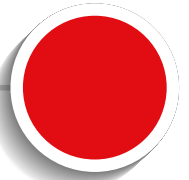


# Our Values

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Themis pays particular attention to the customers, as it listens to their needs, customizing the offer and services to make each single customer unique and special.

**CUSTOMER  
COME FIRST  
OF ALL**

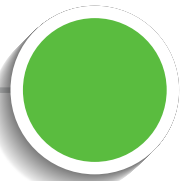


**INNOVATION**

Innovation is the focal point of Themis. Thanks to the “Genesi” software it can offer its customers an advanced technology service.

In Themis lives a strong team spirit, a team of experts, united by the passion of their work, united by the same philosophy of thought. This is the key to its success.

**TEAM  
INTEGRATION**



**GROWTH  
AND  
DEVELOPMENT**

In Themis, each employee enjoys special attention and benefits from constant professional updating. In this way Themis Service is able to tackle even the most complex problems.



# THEMIS SERVICE



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