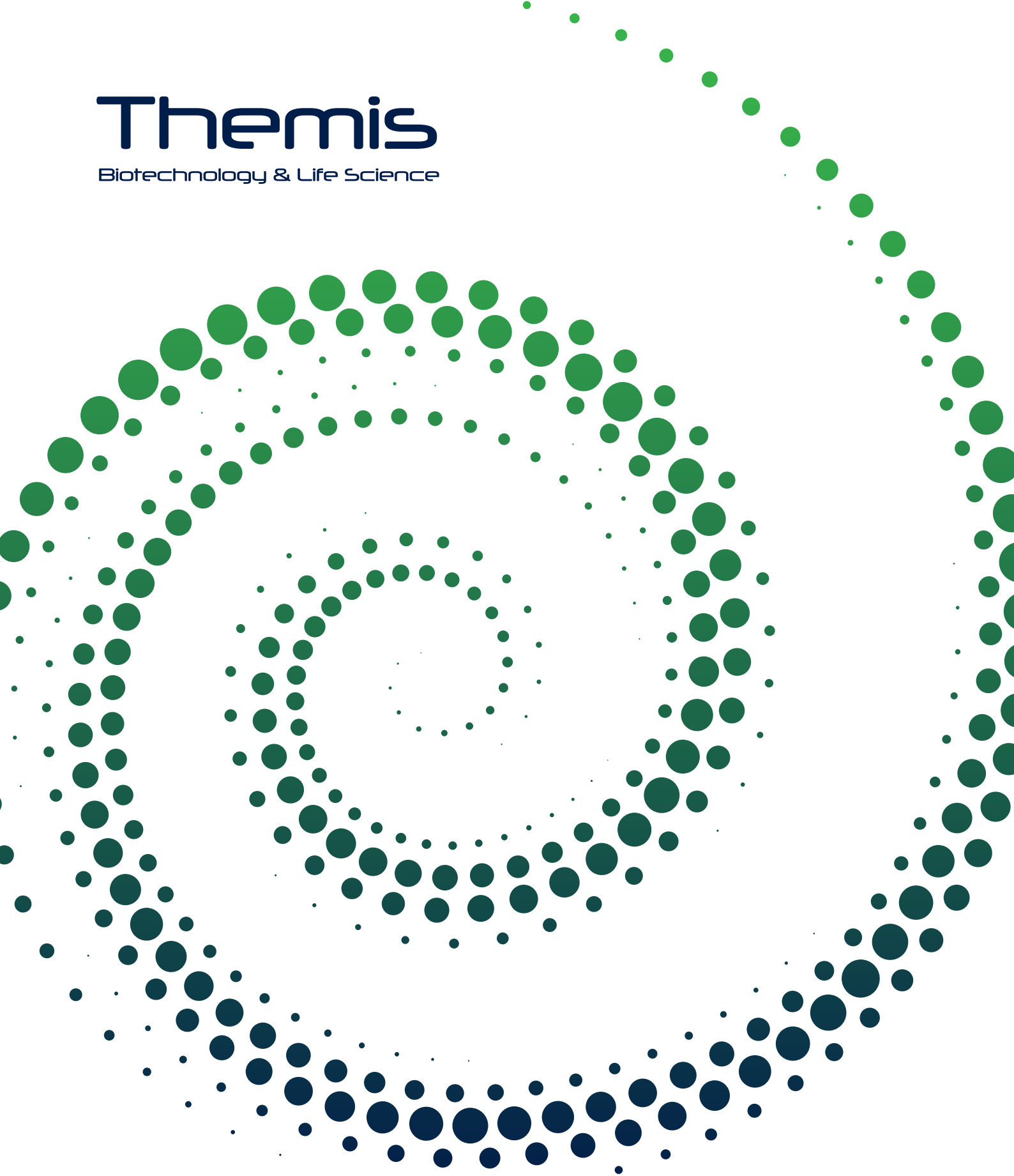


Themis

Biotechnology & Life Science



COMPANY PROFILE

Index

Our Mission	3
Our Future	5
The Company	6
Industrial Production	7
Themis WRT	8
EPC Contractor	10
Business Sectors	11
Our Plus	12
“Themis LAB” Innovation Center	13
International Markets	14

Water Scarcity InnoWise Challenge Lab



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Our Mission

- **Innovation, sustainability and business culture.**
- **Advanced technological solutions for waste enhancement.**



Themis is a well-established Italian company, focused in the development and construction of innovative process machines and systems for the drastic reduction and strong enhancement of waste generated from industrial production in the full spirit of the principles of Sustainability and Circular Economy.

It offers long-term, economically efficient and technologically advanced solutions, which allow complying with legal obligations and at the same time to obtain the reduction of waste materials and the enhancement, where possible, of the same.

We design and build customized solutions for the recovery of substances from industrial wastewater, sludges, sewage, food waste and by-products so that they can be valorised and reused.


In addition to the undisputed and consolidated

engineering skills and the range of products of excellence developed and manufactured in our factories, we combine the drive towards the protection of resources, energy-saving, reduction and recycling of the waste with the consequent reduction of emissions.

Attention to the environment has guided Themis in the development of “custom-made” solutions to meet the numerous types of requests.

Themis actively collaborates with leading National and International Universities and Research Centres for the development and application of its technologies. We also promote the culture of Sustainability and Circular Economy in the academic field with mentoring activities, as we support “green” initiatives aiming to raise awareness among young people, drivers of our future.





“Waste” is a term commonly experienced with a negative meaning.

In reality, rejection carries with it great potential as it can become a valuable new resource.

Today, environmental sustainability can be an economically advantageous opportunity.

Themis is the ideal partner to be able to seize this great opportunity.



Our Future.

“Only companies that put the future of the planet in the first place have a better chance of growth in the long term”.

During our professional career, we have developed a conviction that today is the basis of all our business and determines the direction of every our choice.

This conviction concerns the relationship between man, environment and productive activities.

It now appears inevitable that the current production system structured in a linear model is no longer sustainable and that the transition to a circular economy model will become the fundamental element for the economic development of the future.

The indiscriminate use of resources has shown all its limits, and the entire industrial activity has had to face increasingly serious environmental problems.

The 17 “Sustainable Developments Goals” indicated by the United Nations have become a precise objective at a global level and no company can today exempt itself from their concrete application.

In Themis we believe it is possible to combine productivity and respect for the environment, economic development and sustainability: we carry out an excellent development and applied research activity, in the company Innovation Center and alongside the best national and international

universities and research centres, we cultivate talents we collaborate with professionals and technicians of undisputed professionalism.

A sustainable profit can only be achieved by those companies that will be truly able to implement Customer Social Responsibility policies, showing that they know how to put the future of the planet and their community of reference in the foreground.

The attention paid to the concept of sustainability by public opinion, and in general by all the stakeholders of each company, now requires a rethinking of one’s role and impact on the socio-economic fabric.

We need courageous and cutting-edge companies. We are there: Themis has obtained recognition in different areas at the national and international level and is active in the dissemination of a “green” culture.

We are an active part of the change, we develop and apply systems and solutions that allow us to satisfy the needs of the present without compromising the possibility of future generations to satisfy theirs, ready to walk with our partners and customers a new exciting path towards a more sustainable world.

**Welcome to Themis!
Michele Romanò, CEO.**



The Company

Themis was born from the vision of a group of entrepreneurs operating in the “Green Economy” segment, endowed with many years of experience in the various sectors.

Themis focus is on the industrial applications of its innovative technologies subject to patent protection at National and International level.

Themis also holds the role of EPC for environmental sustainability projects.

As part of the green transition, Themis acts as an active part by supporting and guiding companies in the transition from obsolete linear production systems to modern and efficient production systems of Circular Economy.


The Company has seen the entry into the share capital of major investment funds, family offices and major shareholders in the world of business and finance.

The solid present and future financial support allow Themis to constantly increase its organizational structure and to be able to implement new ambitious R&D programs to permanently occupy a role of primary importance among the companies with the highest innovative vocation in the Italian industrial sector and abroad.





Industrial Production

 **The best technologies applied to industrial production.**

At our production site located in Legnano, besides the manufacture of innovative technological systems, we build machines and components for industry.

Thanks to the EPC activity, Themis can provide a truly complete service, starting from the initial phase of assistance and consultancy in the definition of the project up to the final step of testing and management of the plant.



Our patent asset: a unique and revolutionary invention.

Imagine having to dispose of a large volume of sludge, organic waste or wastewater every year.

Now think about the environmental impact that the disposal of this kind of waste entails, and also the cost that your company will have to bear each year.

Wouldn't it be wonderful to drastically reduce this cost?

Themis WRT is an innovative patented technology for the reduction, recycling and enhancement of sludge, wastewater, organic and non-organic waste, with exceptional performance and very low operating costs.

A concrete solution of Circular Economy that guarantees considerable economic benefits thanks to the drastic reduction of disposal costs.

Themis WRT technology is able to reduce the original volume of waste by up to 90%, transforming the incoming matrix into a solid granulated product and distilled water.

A technologically advanced solution whose efficiency and speed make it unique in its kind.

Guaranteed performance, high Return On Investment, zero emissions into the atmosphere, small size, Industry 4.0, sanitization and

stabilization of the treated materials, are just some of the peculiarities that distinguish our incredible technology.

In reality, Themis WRT allows not only to reduce the volume of waste but gives it, where possible, a new value by transforming it into a reusable material.

With the Themis WRT machine, the management of waste generated by the production process becomes more efficient, optimized and economically advantageous.

At the same time, it is possible to provide an enormous benefit to the environment and to sustainability, concretely implementing a system that avoids the use of significant volumes of particularly critical waste with a highly negative environmental impact in landfills.

The WRT technology is the result of an intense R&D activity performed within the Themis LAB, or our Innovation Center equipped with a pilot plant used both for the execution of test sessions and for the validation of its performance.

Themis WRT is an absolutely unique and revolutionary invention, which can transform the current negative meaning of the concept of "waste" by enhancing it as a "resource".





EPC Contractor

The development of innovative technological solutions for environmental sustainability is not Themis' only field of action. The consolidated experience in the engineering and industrial construction sector allows Themis to operate as an

EPC CONTRACTOR able to provide its customers with the entire design, construction and assembly service chain of industrial plants with the highest level and qualitative excellence.



Engineering

Themis Tech Department

Procurement

Themis Purchase Department

Construction

Themis Building Department

THEMIS has the skills and structures necessary for the complete and perfect management of even highly complex projects both in Italy and abroad.



Business Sectors



Biogas

We provide a specialist service for the design, construction, management and assistance of plants for the production of biogas and biomethane as a renewable energy source.



Water Treatment

We design and build plants for primary water treatment, for the purification of wastewater, for the treatment of process fluids and for the desalination of seawater.



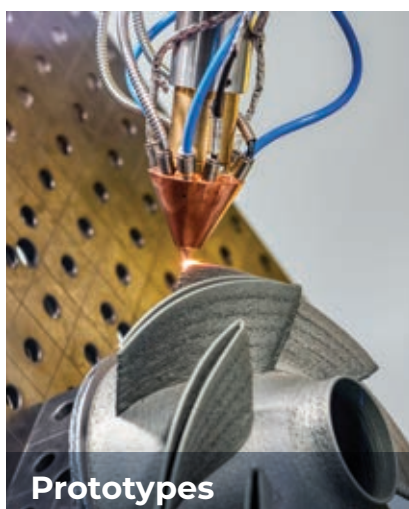
Co-Trigeneration

Themis designs and manufactures CHP plants, Combined Heat Power, for the combined production of electricity, heat and cold for industrial applications.



Process Engineering

Process engineering focuses on the design, management, control and optimization of chemical, physical and biological processes through the use of the most modern computing and computer simulation systems.



Prototypes

Collaborating with major universities, Themis designs electromechanical prototypes that can be introduced into the industrial process by validating the process innovation and the manufactured product.



Industrial Automation

We develop advanced automation systems and IoT systems, customized according to the customer's needs (supervision systems, data acquisition and concentration and field equipment).



Our Plus

Expertise

The experience gained over many years of activity in the field is a unique value that becomes a guarantee of absolute quality for the customer.

Reliability


The perfect success of each project assigned to us is our main goal. To achieve it, we work with the utmost commitment ensuring full respect for every detail.

Efficiency

We combine our expertise with a strong dose of concreteness. In this way, we achieve a very high degree of efficiency for the maximum satisfaction of our customers.

Passion

It is the passion for our work that makes us unique. We like to do well what we do, and we work with extreme dedication to achieve the best result.

 **THEMIS is the ideal partner to entrust with your project.**



Innovation Center

■ Research and Innovation: the pillars of our activity.

Themis **LAB**

The “Themis LAB” is active within our company, which is a laboratory specialized in carrying out specific tests and analyzes relating to the complex world of waste.

Thanks to this structure, we can provide a personalized consultancy and integrated study service on “waste management”, supporting our customers in the optimization of disposal processes, both in operational and economic terms.

Our goal is to identify innovative methods and

techniques that can bring concrete benefits in the management and disposal of waste, with particular reference to industrial and agricultural sludge, wastewater and food waste.

THEMIS WRT technology has developed thanks to the support of the “Themis LAB” laboratory, which is also valuable for the study and development of multiple solutions applicable in the waste treatment sector and their enhancement.



Research & Development

Research and Development constitute the essence of Themis. It is only with an assiduous and continuous Research & Development activity that we can maintain a privileged position on the market, offering unique solutions with exceptional performance.



Innovation

Themis stands out for its ability to propose innovative solutions able to respond effectively to the increasingly complex demands of the market.



Advanced Technology

In Themis, you will always find the best technological solutions and innovations, that is, advanced machinery with innovative and cutting-edge features.



International Markets

Themis is a truly special reality, as evidenced by the important awards acquired in a very short time and the constant development of the organizational structure.

Thanks to the disruptive potential of innovative technology, Themis has gone beyond national borders, establishing itself in Asia and Northern Europe.

Today we can operate in any location in the world, supported by a large network of international collaborators.



Sustainability is a topic of global concern, Themis can address it in every part of the world.



Themis

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