

LESS WASTE, MORE ENERGY



Your Trusted Provider of CHP Units
and Complete Anaerobic Digestion Solutions





About Bi'nergy

Bi'nergy is an industrial manufacturer of Combined Heat and Power (CHP) units and anaerobic digestion solutions, offering a complete and integrated range of solutions for the valorization of organic waste into electrical and thermal energy.

Through our internal R&D efforts and collaborations with global industry leaders, we provide high-performance CHP systems and Plug and Play anaerobic digestion solutions, that help reduce carbon footprints while maximizing financial returns.

Our standard solutions stand out for their CAPEX and OPEX, ensuring a high economic profitability for our clients.

Mission

Facilitate access to renewable energy through high-quality industrial manufacturing of CHP and anaerobic digestion solutions of all scales: small, medium, and large.

Vision

To become a global leader in CHP and anaerobic digestion solutions by offering the most cost-effective systems on the market.

Design

Our design is carried out by a multidisciplinary team of engineers and technicians with over 20 years of combined experience in anaerobic digestion, in collaboration with global industry leaders.

Manufacturing

Our CE-certified products are manufactured in our factory in Tunis, and undergo rigorous validation testing according to established ISO 9001 quality procedures.

Installation and Startup

We manage the delivery and installation of our Plug and Play equipment on the project site. We supervise the startup process and conduct performance testing to ensure optimal commissioning.

After-Sales Service

As part of our maintenance contracts, we offer 24/7 hotline support for remote assistance, with prompt on-site intervention from qualified technicians through our dedicated after-sales service.



Your Project, Our Expertise

From project design to commissioning and beyond

At Bi'nergy, a team with over 20 years of combined experience in anaerobic digestion and CHP technologies is at your service, dedicated to ensuring the flawless execution of your project from start to finish.

Technical Solution Selection

Our team of qualified engineers and technicians in the design office supports you in evaluating and identifying the most suitable and optimal solution that meets the requirements of your project.

Project Profitability Assessment

We analyze the profitability and economic viability of your project, helping you make informed decisions.

Project Scheduling and Management

Our project team ensures that every phase of your project is meticulously planned and executed on schedule, providing thorough and efficient monitoring.

Management and execution of installation works

We handle all installation work on-site, ensuring high-quality solutions in compliance with European standards.

Factory and On-Site Testing

With our industrial production and proven testing procedures, we conduct comprehensive testing to ensure optimal operation of your installation.

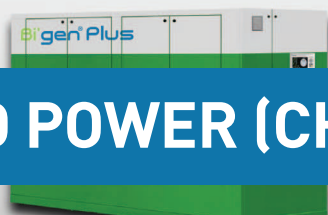
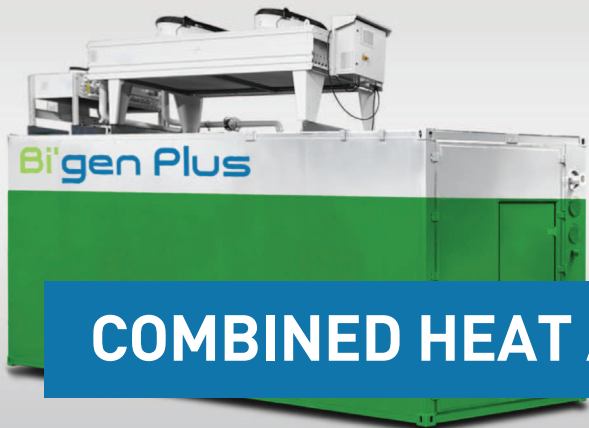
Supervision and Start-Up of Biogas Installations

We oversee the start-up of your biogas system to ensure flawless commissioning.

24/7 Remote Assistance

Our hotline is available at any time to answer your questions and provide the support you need.

20 Years
of Combined
Experience



COMBINED HEAT AND POWER (CHP)

Premium CHP Solutions

Bi'nergy is a manufacturer of reliable Combined Heat And Power (CHP) units that comply with European standards and directives.

Our **Bi'gen** CHP units are the outcome of comprehensive R&D efforts, developed in partnership with leading industry stakeholders. They are distinguished by their exceptional cost-performance ratio, delivering competitive pricing while ensuring optimized operational efficiency and reduced lifecycle costs.

With our innovative monitoring technologies, our clients can supervise their **Bi'gen** systems remotely and benefit from 24/7 remote assistance.

We also offer **Bi'gen Plus**, a containerized version of **Bi'gen** that can be customized according to our clients' specific needs, ensuring optimal flexibility for their projects.

Our standard units, powered by gas engine modules from globally renowned manufacturers, offer power output ranging from 18 to 300 kWe. These units are compatible with a variety of fuel sources, including natural gas, biogas, LPG, wood gas, and other special gases. This flexibility ensures that our solutions can be seamlessly integrated across a diverse range of applications and operating environments.

Starting from

18 kWe
of electrical Power

Up to

41%
of electrical efficiency

Up to

98%
of engine Availability

Remote

24/7
assistance and monitoring



MAN
Warranty

ANAEROBIC DIGESTION

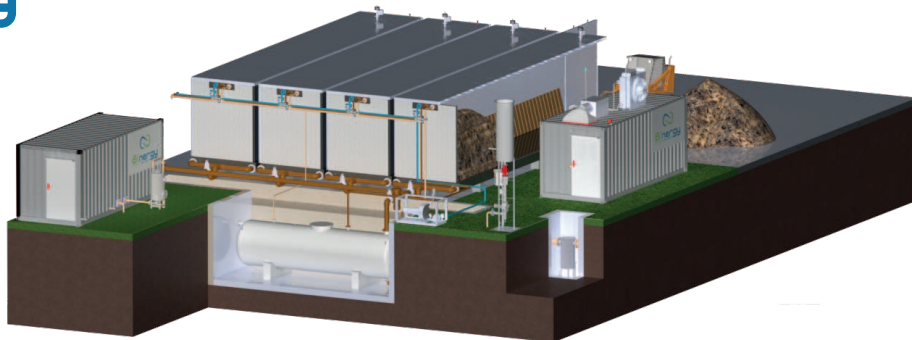
A Profitable Renewable Energy Solution for a Sustainable Future!



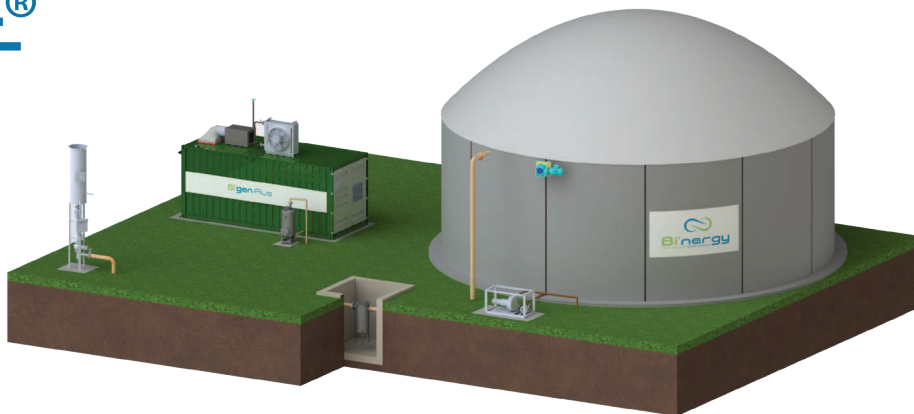
Bi'nergy specializes in the development of anaerobic digestion solutions tailored to various organic waste types, whether liquid or solid.

Our innovative **Bi'dry** and **Bi'wet** systems enable efficient anaerobic digestion of organic waste to generate energy, with power outputs ranging from 18 to 300 kWe (custom configurations available upon request).

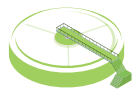
Bi'dry



Bi'wet[®]



Livestock Wastes



Urban Sludge



Agricultural Wastes



Industrial Sludge



Municipal Wastes

✔ Return on investment: 5 to 7 years

✔ Hot Water Recovery

✔ Automated system with remote monitoring

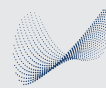
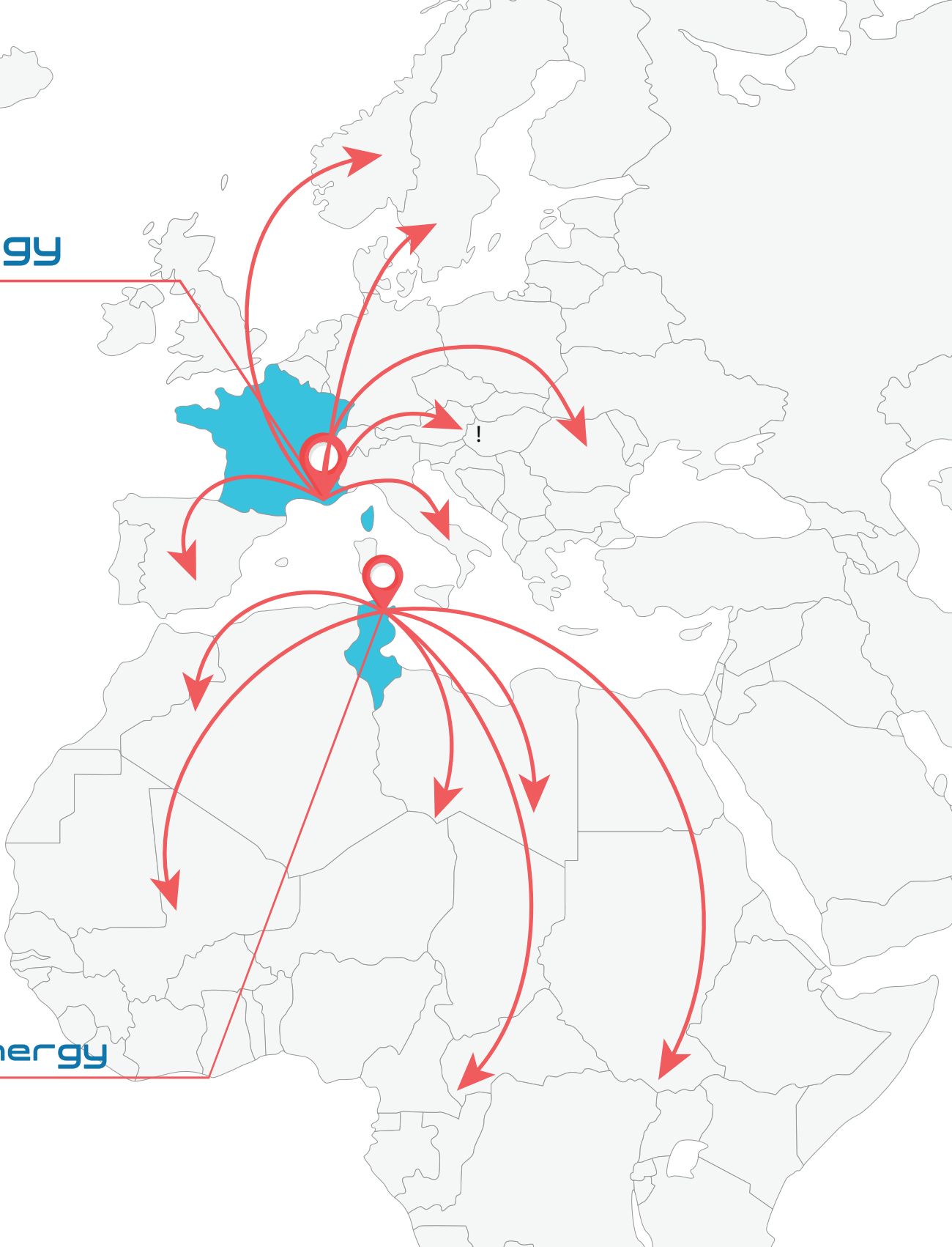
✔ Easy Transportation

✔ Optimized Operating Costs

✔ Compact Plug-and-Play Installation

Bi'energy

Bi'energy



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