


Technology





Delivering biomethane from agri-food waste with proprietary biogas upgrading and RNG liquefaction technology

Our small-to-medium-scale biomethane plants use proprietary upgrading and liquefaction technologies to deliver more efficiency than traditional large-scale facilities. Engineered by our Spanish manufacturing subsidiary, FNX, our modular, skid-mounted plants are simple to install in even the most remote sites, allowing agri-food producers to unlock value from waste and contribute to the circular economy.

Modular, membrane-based biogas upgrading system

Our biogas to biomethane upgrading technologies feature two modules:

Module 1: Pre-treatment

Module 2: Compression and CO₂ Removal

Plug-and-play Bio-LNG liquefaction plants





Our modular, small-scale liquefaction plants are designed to be easily transported and installed in remote locations.

- Skid mounted, fully finished designs for plug-and-play field installation
- Simple transportation to any site via standard ISO shipping containers
- Units include all cabling and piping with no need for pipe racks, cable trays or soil pits
- Fully assembled and tested in-house by our manufacturing subsidiary, FNX
- Self-contained nitrogen closed-loop refrigeration systems reduces costs
- Grid-connected or self-generated power options allow for installation anywhere

[EXPLORE ITS END USES](#)

FNX: bringing 10+ years of engineering expertise

Our biomethane upgrading and liquefaction technologies are designed, developed, built and tested on-site by FNX, our manufacturing subsidiary located in the Spanish Basque country.

With over 10 years of experience building reliable, scalable systems, FNX provides the know-how throughout the entire biogas production chain.

[EXPLORE THE FNX WEBSITE](#)



**Technology
that's
unlocking
the
biomethane
value chain
chain**

Accessing
stranded
Accessing
feedstocks

separated, often in remote areas, and economically producing areas, and takes a comprehensive, granular skillset that we bring to the table. Our comprehensive, technical skillset that we develop and bring to build plants and strong engineering team. Our team are what gives us a technical critical edge at Conoco. Ability to develop and efficiently build plants and strong engineering team are what gives us a critical

edge
at
CycleØ.

Ready to learn more about our technology?

We currently have 18 biomethane facilities in operation or different stages of development in Europe and Latin America. Thanks to financial backing from [Ara Partners](#), a leading decarbonisation private equity firm, we have the capital to make any biomethane project a reality.

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