



ROOTED IN THE PAST, FUTURE-ORIENTED

A STORY OF INNOVATION

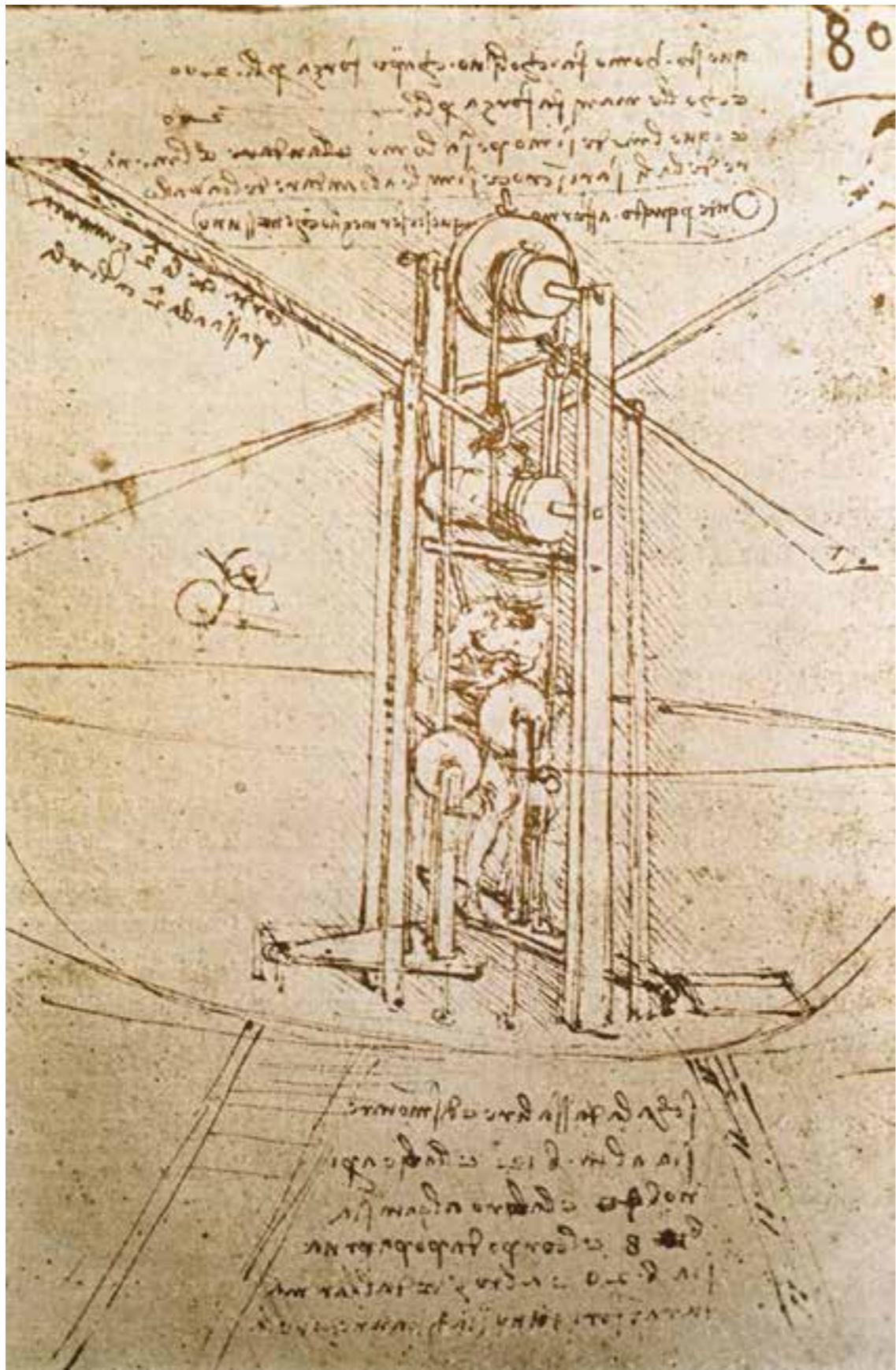
This is ECOMEMBRANE.[®]

ENVIRONMENTAL TECHNOLOGY



*“The greatest geniuses sometimes accomplish
more when they work less,
since they are searching for inventions
in their minds, and forming those perfect ideas
which their hands then express.”*

(Leonardo Da Vinci)



Reliability. Technology. Innovation **This is who Ecomembrane is.**

**These 3 key components define our identity
and drive our work.**

I want to tell you how we started and how we
created our company.
I am, and we are, reliable. This is crucial for the type
of work that we do.



I strongly believe in green energy and started with the the objective of truly reducing greenhouse gases.

And I have succeeded!

I have always liked the idea of applying technology to the environment: I developed it and I turned it into a business.

I built Ecomembrane with my own hands and since the year 2000 we have been operating in the sector of renewable energies and biogases.

Ecomembrane is therefore first and foremost a method.

The history of this company began with a first patent, followed by nine more.

We are among the “**founding fathers**” of modern-day membrane **gasholders**; therefore, we have **roots in the past**, but we are **strongly future-oriented**. We anticipate the trends.

Ecomembrane is a **specialized** producer of **gasholders, digester covers and odor control covers using PVC-coated fabric membranes**. We operate globally and we have the most extensive network in the world in terms of “**installions**” as well as production structure.

We have constantly aimed towards technological innovation and have followed the required changes. This led us to the 10 patents mentioned above and to holding the world record for patents associated with a gasholder producer, demonstrating **unrivalled engineering skill and technological innovation**.

Our distinctive trademark is the **3-membrane gasholder**. This patent of ours, unlike the classic 2-membrane gasholder, offers the maximum reduction in heat loss from the digester, reducing heat loss by as much as 50%. Plus, the gasholder structure offers greater duration of the membrane, greater safety and lower electrical consumption.



This is also the **standard of public tenders in Italy** since 2003.

We have taken it even **further**, distancing ourselves completely from the **concept** of the so-called "**tarpaulin-makers**". In fact, we not only produce tarpaulins, membranes that comprise the gasholder, but we design and produce the necessary supporting components as well.

We have direct knowledge of the advantages and limitations and we are specialized in the creation of oversized valves to guarantee the

maximum safety at the maximum performance, in addition to level measuring devices that make it possible to use 100% of the volume, obtaining an even more efficient result.

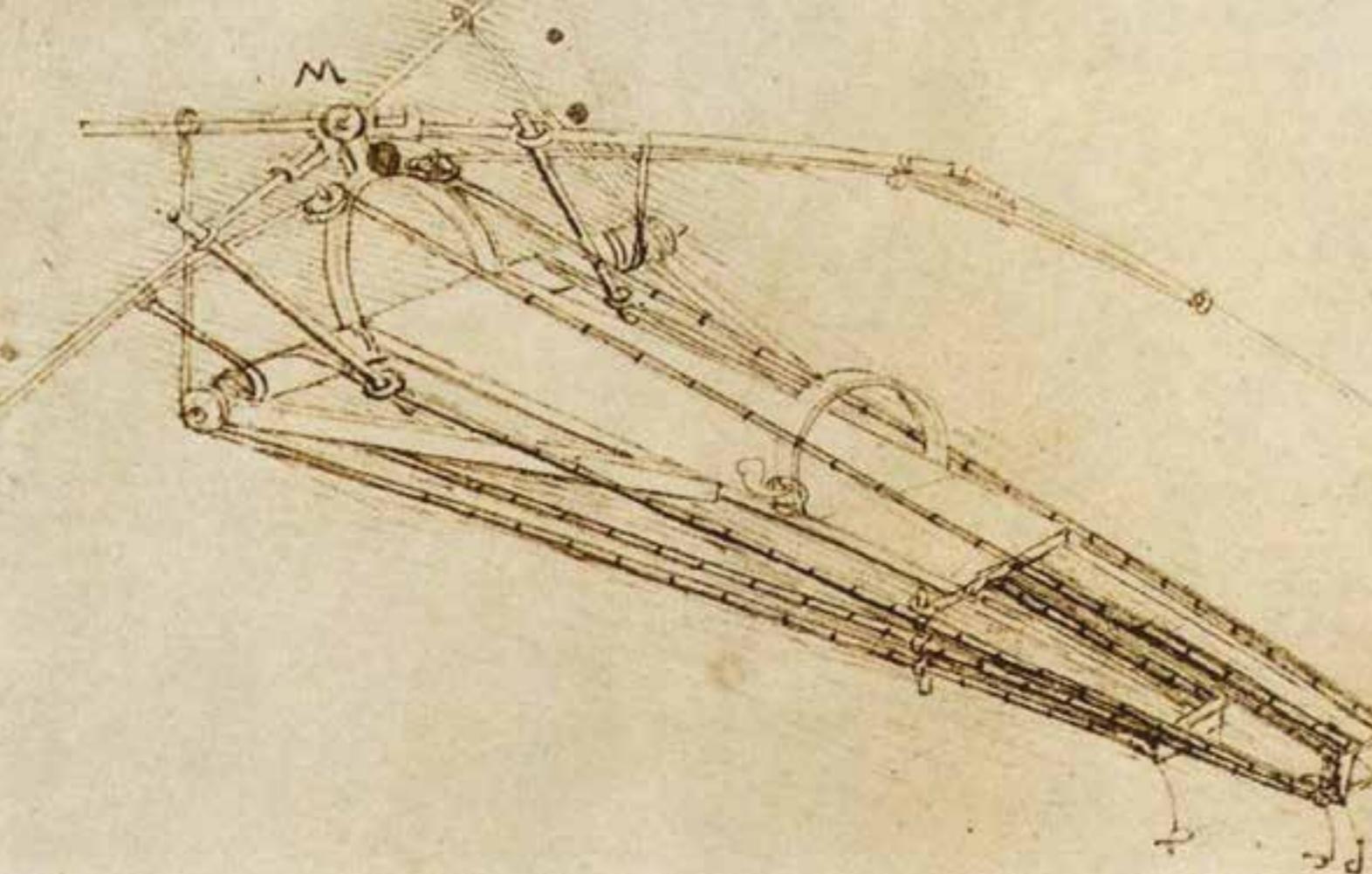
Our **strong technical competence** also comes from being **biogas plant producers for a brief period**: this gave us an overall vision, understanding what issues need to be faced in the management of this aspect and what needs could arise.

All of this allowed us to specialize even more, offering solutions that meet customer needs. We provide direct consultation to the customer specifically to find technically perfect solutions, and we also offer the possibility of taking care of the outsourcing of the design stage.

We made **sealing** one of the fundamental elements of our gasholders, becoming number one in this aspect and guaranteeing customers maximum safety.

This led us to become "**the Ferrari of gas holders**".





We started taking our gasholders around the world beginning in 2008, when many competitors were still not yet on the market. This allowed us to get to know the markets, the climates, the laws and regulations extensively in a great many countries, very different to each other, coming into communication with the culture of the place.

We like to define ourselves as "**glocal**": we became **global** but we have a strong bond with the land given the great specificity of the product, which makes us **local in the global scenario**.

Every land, every climate, every situation differs from the others: this is why we rely on simple yet **tailored, project-specific solutions**.

Production has also followed global expansion and today our production plants are located in Italy and America.

Producing gasholders means choosing **sustainability**: this concept goes hand in hand with what we produce and with the sector that we work in. **We did not go green to follow a trend, we were born green, and we have been so for 40 years**, even before Ecomembrane was created.

Sustainability is therefore part of our **identity**.

However, thanks to the ongoing product innovations we are able to guarantee constant improvement in an **increasingly greener** view.

We are always looking to the future and we are always looking for **innovation, without ever losing the bond with our origins**.

I am the third generation to work with membranes and sealing.





My grandfather was in charge of membrane sealing and founded a company, Agrisilos, which is still operating today and producing membranes for agricultural silos.

In 1974, my father designed and patented the rectangular outdoor swimming pool, creating a company, Piscine Laghetto, to produce and market them.

In the 1980s and 1990s his project expanded across the world and, thanks

to this ability to process membranes and design, was **contacted** in 1982 by **ENEA**, the national body in charge of renewable energies, **to create an innovative solution that would replace the old steel gasholders** and offer the necessary flexibility. In terms of research, it was my father who created and patented the 3-membrane gasholder. I took over that patent, and on **19 January 2000 founded Ecomembrane**, placing the invention of the modern gasholder in the center.

We immediately started designing the parts: we tried and tried again and through direct experience we found the defects and weak points. We changed them and improved them, until we found the best solution and patented it.

“Ask advice of him who governs himself well.”

(Leonardo Da Vinci)

From there, one step at a time, we continued to grow, becoming the only producers of gasholders in America without ever losing our focus on innovation and continuing to create patents, even in recent years.

Being the first allowed us to gain experience, to make mistakes and fix them. To experiment and test. To be much more ahead of anyone else today.

We can say that I followed in the footsteps of my father, looking ahead and following modern times.



I built my success one day at a time. I told you my story, where I came from, how I built my company, which are the fundamental components of Ecomembrane. And I think that this is why I am almost always successful in creating new projects, in collaborating in the creation of new systems, and in finding the best solution for my customers.

As I wrote at the beginning, I built my company around three characteristics: **Reliability, engineering Technology and future-oriented Innovative vision.**

This is my uniqueness.

I specialized as much as possible in the design and production of modern gasholders, to become a **true expert** in the field. I spent day after day on all three of these characteristics, always raising the bar of excellence a little more.

Each patent was studied, designed, built with the utmost engineering skill to make it the best possible version.

I decided to follow the gasholder and digester cover manufacturing processes to guarantee reliability.

Almost 20 years after creating Ecomembrane and almost 40 years since the first patent, I have never, and we have never, stopped keeping our eye on the future, always looking for better solutions that meet the new challenges that progress requires.





“Constantly think about how you could be doing things better and questioning yourself.”
(Elon Musk)

We have always chosen uniqueness, we have always stood out from the others, relying on **research** as well as our **patents**.

This has led us to have the **safest, highest performing, and longest lasting gasholders in the world**.

Relying on these values also means making a choice and sharing a vision. Being exclusively focused on the present, looking for today's benefit rather than the long term, thinking first of the cost of investment rather than product specificity – these are not choices that we can contemplate.

This line of focus and thinking does not allow us to guarantee a high-level result and leads to the dissatisfaction of both parties. If you are not satisfied, neither are we.

We want to work with people who have the capacity of looking ahead, with people who believe in change and the possibility of constant improvement.

We want to build specific projects for you: we study your situation, we listen to your needs, and we do not look for the **simplest solution**, but rather the **most specific**.

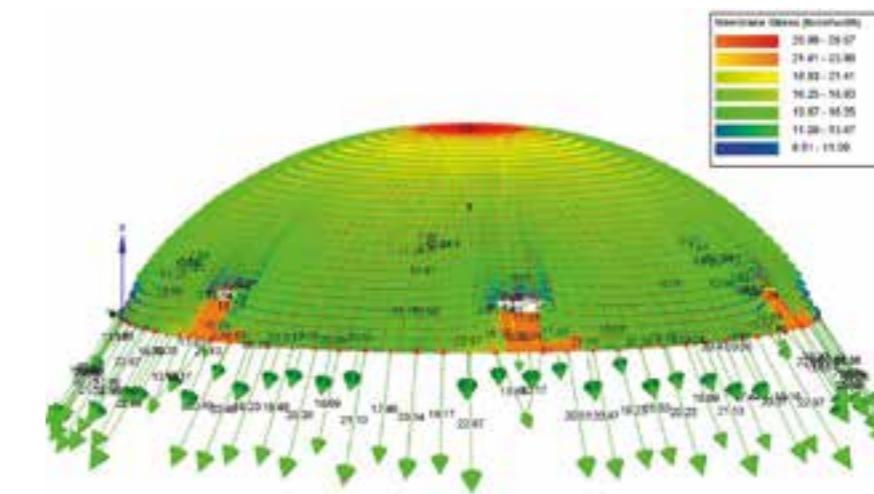
We do not work with tarpaulins, we are not looking for the most economic material and the quickest solution. But most of all:

we are not a copy.

We are the **founding fathers of modern-day membrane gasholders**.

We stand out especially because **of our technical capabilities**. We patented products that last longer and that guarantee higher performance, guaranteeing performance of 30% more volume than competing gas holders.

We have chosen not to stop, not to get stuck with old technologies that are outdated by more than 30 years.



WE HAVE CHOSEN THE FUTURE

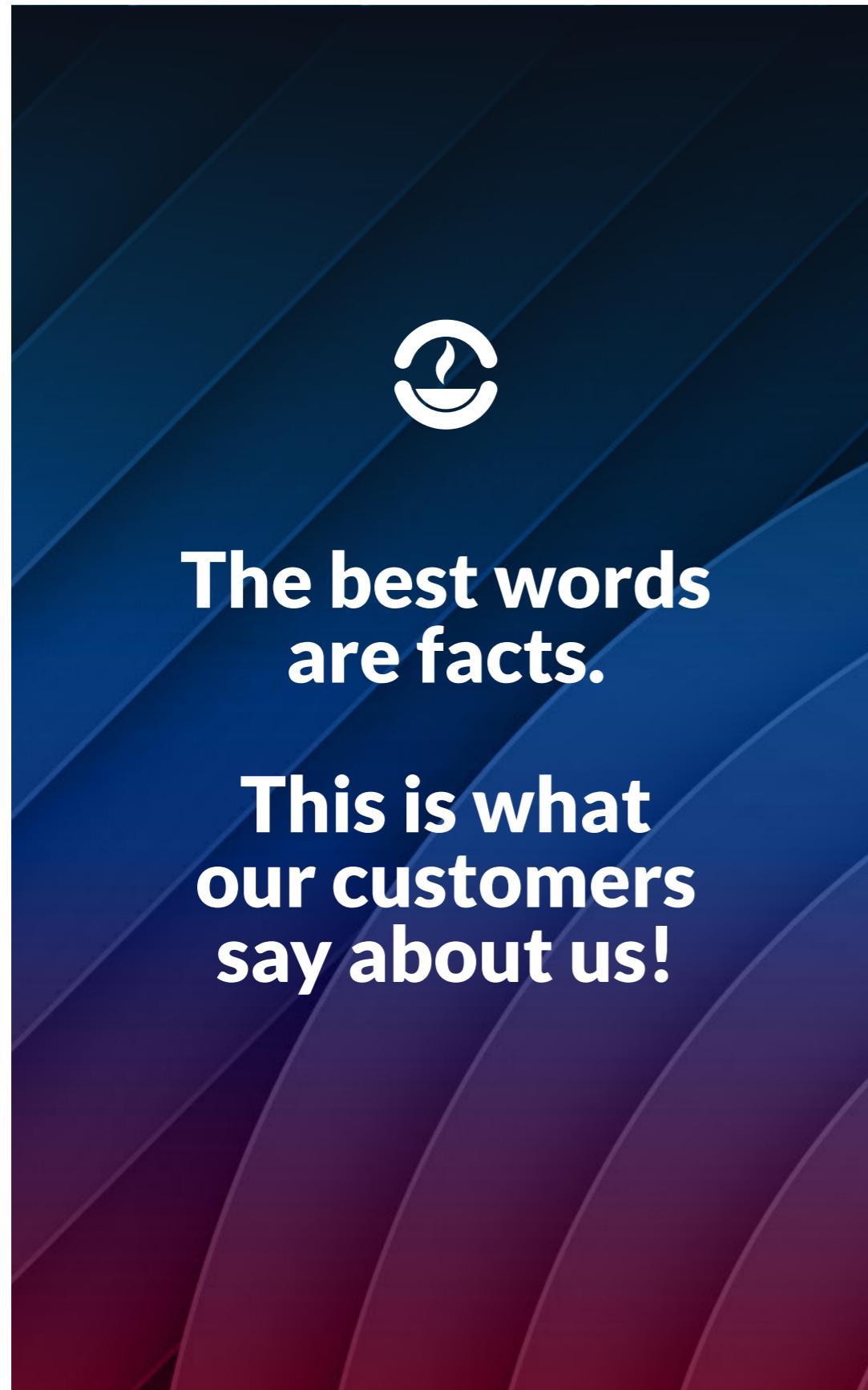


We want to be constantly alongside companies that choose us, and we continue to guide them after the installation of the gasholders. And we want the same for you. We won't be your everyday supplier or a mere executor, we will be a **totally focused partner, able to be a technical consultant.**

We offer **technologically advanced solutions** that also **fulfill the regulations** of the public sector, to the extent that they become the reference standard and manage to guarantee observance of even the **strictest legislation.**

We set the standard and having us on your team allows you to have a close eye on the local aspect with a global vision, that knows climates, standards and specific markets.

Our many years of experience will be completely at your service: for us the consultation is the initial and fundamental element for the success of your project.



Atlatec S.A. de C.V.

I have been working with Ecomembrane for over 10 years, since returning to the engineering field (I previously worked in another area).

Ecomembrane has always been our reference point, thanks to the quality that they offer and the unrivalled consultation that allowed us to go through all of the plant design and construction phases with peace of mind.

I would undoubtedly recommend it to other companies as well who, like us,



need to rely on the professionalism of Ecomembrane.

**Fernando Alanis | Process Specialist
Atlatec S.A. de C.V.**



Creating a Sustainable Planet.

We learned about Ecomembrane at a fair in Tokyo in 2018.

We needed optimal solutions with fast responses.

With them we found the ideal partner and this collaboration has continued for more than 3 years now.

I would not hesitate to recommend Ecomembrane to other companies.



Hiroyuki Nomura | Project manager
Hipotech Inc.

Thanks to industry magazines and the direct experience of some co-designers, we have established a good collaboration with Ecomembrane for the construction of our projects.

We interfaced with an excellent service in both the design technical phase and the more operational installation phase on site, with an absolutely satisfying end result.



Massimo Ferrari |
Energy division manager
Grimaldelli SRL



— ECOMEMBRANE IN —
ITALY



— ECOMEMBRANE IN —
DENMARK



Livestock plants - Renewable energy

In the future view of continuing with plant projects on a regular basis, we can say that Ecomembrane has fulfilled our expectations in terms of product quality as well as consultation through the various stages of construction.

For 11 years now we have been working with them and we recommend our same experience to other companies or colleagues in the sector.



**Rosaria Tripodo | Financial Dept
ELIOPIG S.r.l.**



Complete biogas solutions

We already knew Ecomembrane, in particular through LSH. First Leif Skødt and now Christian. The current Philippine project is the first to use Ecomembrane as the supplier.

When the supplier is already familiar with the delivery in the countries where we work, this is particularly important to us when working overseas.

One of the main reasons why we chose Ecomembrane for the project in the Philippines is that Ecomembrane

already works in Asia and knows the dynamics of the area.

To date the services and support provided by them have been impeccable, and we can't wait to take the next step when our customer will be ready for installation.

In terms of the future, I believe that Ecomembrane could be a good partner.

**Jens Jørn Helth | CPO
Combigas Aps**



In 2015, we started building our Biogas plants in Thailand and we chose Ecomembrane as our partner. Ecomembrane products are high quality and guarantee excellent durability.

We are very satisfied with the obtained result and we will collaborate with Ecomembrane also for upcoming projects.

Without a doubt we will also recommend them to other companies and colleagues in the sector.



MrMatthagapong | Machinery & Equipment Sales Manager
UAC

We have been working with Ecomembrane for more than 5 years. The quality that we observe in their product and in their consultation makes us express an extremely positive opinion without doubt.

For any type of need, they have always been present and this fostered an excellent climate of collaboration.



Sirwaitis Rusty | Project manager
Ovivo USA LLC.



— ECOMEMBRANE IN —
GREECE



— ECOMEMBRANE IN —
TURKEY



I remember that at least 4 years ago Tedra, BIOTHANE VEOLIA's exclusive partner in Greece, recommended Ecomembrane to us. We decided to contact them and share our projects with them.

After 2 years of activities on the projects that we are developing, we are very satisfied with the efficiency in terms of quality (always constantly improving), the costs of products and after-sales services.

We have goals for the future: we are trying to enter the Greek market in the field of biogas plants. We believe that in upcoming years we will have at least 4-5 projects that include Ecomembrane products and support.



We have already recommended Ecomembrane to other companies or to engineers in the industry in general.

Pgliaos | Environmental Department
Director
Tedra

We came across Ecomembrane on the web when looking for a possible solution to our needs. We have been working with them since 2009 and the first project we collaborated on was the construction of 3 gas holders for the Mamak landfill; today we continue to work together on at least 9 other projects.

From our first project, we have seen how Ecomembrane products have allowed us to increase biogas production and subsequent storage. We are very satisfied with the product and the consultation, so much so that we always recommend Ecomembrane to colleagues in the sector.



We are trying to raise our capacity and open new landfill projects in Turkey and other countries. Ecomembrane will be our partner who will support us for new future projects.

M.Fikret SERT | Facility and Management Coordinator of Landfills
ITC



ECOMEMBRANE IN
CZECH REPUBLIC

**Anaerobic Power Biogas Benešov
spol. s r.o.**

Ecomembrane is known as one of the main producers of gas holders in Europe. Mr Pešek (EcoGas company in the Czech Republic) told me about them.

Since 10/2020 we chose to work with them to develop our projects, thanks to the good quality, their proven experience and the cost/quality ratio.

We are very satisfied with the work, so much so that we recommend this collaboration also to other companies or colleagues in the industry.



**Radek Landovský |
Operation manager
APBB**



ECOMEMBRANE IN
SINGAPORE



A few of our customers recommended Ecomembrane.

We have been working with Ecomembrane for about 5 years and we collaborated on two projects in particular. Ecomembrane products offer the guarantee of reliability at a reasonable price. Not to mention the quality, which fully satisfied our expectations.

I believe that I can say with certainty that Ecomembrane can be our partner for other future projects.



And of course we would recommend them to other companies and colleagues in the industry.

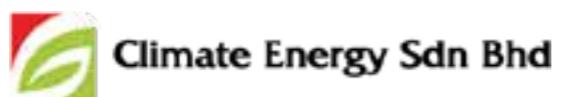
**Joseph Kyaw | Snr. Project Manager
Sanli M&E Pte Ltd**



— ECOMEMBRANE IN —
MALAYSIA



— ECOMEMBRANE IN —
RUSSIA



The future is green & renewable energy

I learned about Ecomembrane through their website and we have been working with them since 2015 with 14 installations under our belt as of 2021.

Their quick feedback and excellent support has persuaded us to continue with them for the realisation of our projects.

TW Ching | Sales Manager
Climate Energy Sdn. Bhd.



We met Ecomembrane almost by chance. We came across their components on a biogas plant in Tatarstan in 2017.

This is how we started installing Ecomembrane gas holders and we are absolutely convinced of the very high quality.

Thanks to the high qualification of Ecomembrane's personnel, to the good quality of their production and their sales approach, we have become partners with Ecomembrane for other



future projects.

Ilya Meylakh
Transutilizatcia



— ECOMEMBRANE IN —
ITALY

— ECOMEMBRANE IN —
ITALY



INNOVATION IS OUR LAND

I found out about Ecomembrane when we replaced our old metal gas holder with our new gas holder.

Our collaboration began in 2002 and fully satisfied our expectations.

We are assessing a conversion of the biomethane plant and possibly increasing the volume with a new gas holder: we know that Ecomembrane will support us impeccably through every stage of development.



Ing. Davide Mainero | Engineering - Research - development
Acea Pinerolese spa

We have been collaborating with Ecomembrane for 5 years. We had already had some of their installations in the past.

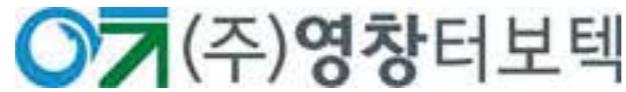
We are quite satisfied with the completed work, accordingly we will be recommending Ecomembrane to companies and colleagues in the industry.

For the future, we believe that it could be interesting to have a routine maintenance contract for the membranes, so as to contain wear



over time.

Bocca
Acegas



Youngchang Turbotech Co., Ltd.

I met Ecomembrane at the EU-Gateway fair in Korea in 2015. We have been working with them for 6 years.

It was necessary to find a technically reliable membrane gas holder producer because my customer wanted to enter the biogas market in Korea and we wanted to grow quickly as biogas experts.

We are satisfied with the offered quality and received service. Now Ecomembrane's share of the membrane gas holder market in Korea is more than 30% and my company has been recognised as a biogas expert on the Korean market.



My next objective is to increase Ecomembrane's share of the membrane gas holder market to more than 60% and install other Ecomembrane products in Korea.

Chang Kim | Vice president
Youngchang Turbotech Co., Ltd.

We chose Ecomembrane, more than 5 years ago now, to develop our projects and our expectations have been more than satisfied.

Ecomembrane stands out for the exceptional quality of its products and its absolutely competent customer service, always ready to assist them.

Also, in very challenging situations Ecomembrane is the right partner to count on.

We will indeed continue our collaboration with them, also for our future projects and we will



recommend them to companies and colleagues in the industry for their proven professional approach

Daniel Lausch | Project Manager II
Anaergia



— ECOMEMBRANE IN —
ITALY



I found out about Ecomembrane with the supply of the first Claricover in Gallipoli.

Our collaboration began between 2014/2016 and our expectations were immediately fulfilled.

We were not looking for a simple supplier but an ongoing, reliable and competent collaboration.

The trust gained with this first experience served to consolidate the relationship even in view of new plants. Ecomembrane is a supplier with considerable experience in their specific field..



Daniele Zaccagnino | Responsible and technical director of the sites
Geco srl

— ECOMEMBRANE IN —
ITALY



Società Intercomunale Servizi Idrici S.r.l.

We needed to replace an old metal gas holder with a new one.

This is how our collaboration with Ecomembrane began in 2003. We met them through industry fairs, various documentation and thanks to a local agent.

The final achieved result fully satisfied our expectations, so much so that we are assessing an expansion of our plant with the new anaerobic digestion line and new larger ground gas holder.

In the past we have already recommended Ecomembrane to



other companies in the sector, and we will certainly do so in the future.

Fabrizio Boffa | Plant Manager
SISI srl



Our collaboration with Ecomembrane began in 2015 with the replacement of a gas holder.

Currently, Veritas S.p.A. is about to apply the technology to other sites with the same issue (outdated biogas storage systems).

We chose Ecomembrane for the quality of their products, for their certified materials and long term reliability.

The quality of the products and the employed technologies (both installation and operation) are perfectly in line with expectations.



As I have been given a new role, I transferred my experience to the colleague who replaced me, who is applying it in other Veritas sites.

Roberto Sinibaldi
Veritas Group

**We would have
much more
to show.**

**Don't miss the
news, scan the
qr code to stay
up to date.**





— OUR PLANTS IN THE WORLD —

Canada
USA
Mexico
Honduras
Colombia
Ecuador
Peru
Chile

Argentina
Brazil
Morocco
Tunisia
South Africa
Russia
Iran
India

Japan
South Korea
Vietnam
Malaysia
Philippines
Indonesia
New Zealand
Nepal

— OUR PLANTS IN EUROPE —

Ireland
Iceland
United Kingdom
Norway
Denmark
Germany
Belgium

France
Spain
Portugal
Italy
Czech Republic
Poland
Ukraine

Romania
Bulgaria
Greece
Montenegro
Turkey
Cyprus
Hungary

**“He who
walks
straight
rarely falls.”**

(Leonardo Da Vinci)





