

Discover your
new sustain**ABLE**
and competitive
Way to improve
what you do

Better Way

Enhancing production to boost
profits – while performing more
Discover yours with AB.

AB A Better
Way

ABetter Way

There is a different way of enhancing production to boost efficiency and increase profits – while performing more sustainably. A Better Way. [Discover yours with AB.](#)

AB ABetter
Way

AB is the acknowledged
global reference for
energy sustainability
solutions.

ABOUT US

Cogeneration additionally integrated
with photovoltaics, battery energy
storage systems and heat pumps.
Biogas upgrading, biomethane
and CO₂ liquefaction.
Air emission treatment.

Plants,
expertise,
technologies and
service.

For over
40 years

we have been working alongside our customers helping them
to improve their competitiveness with energy savings while
reducing their environmental footprint.



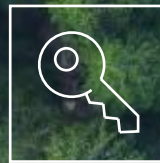
customized solution

Products and services tailored to specific needs



plug & play installation

Reduced onsite costs, time and risks



turnkey system

Full accountability and customer peace of mind



reliability and quality

Expertise on our customers' production processes



single point of contact



From project start through commissioning and ongoing service

performance

Plant availability close to 100%

+40 years of
experience

140+ engineers

1,500+ employees

350+ specialist
field
technicians

30,000
annual service
training hours

People remain our most vital corporate asset. With multidisciplinary and shared skillsets, our experts are guided by a common passion and vision, helping us perform at the highest levels for our customers' benefit.



Natural gas cogeneration, biomethane, biogas cogeneration. Hydrogen ready



← Biogas-to-biomethane upgrading and liquefaction



Trigeneration



Air emissions treatment →



Photovoltaic, battery energy storage system and heat pumps combined with cogeneration



CO₂ liquefaction





MANUFACTURING

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Heat pump
- Trigeneration
- Air emissions treatment
- CO₂ liquefaction



FOOD&BEVERAGE

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Heat pump
- Trigeneration
- Biogas-to-biomethane upgrading and liquefaction
- Air emissions treatment
- CO₂ liquefaction



DAIRY

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Heat pump
- Trigeneration
- Biogas-to-biomethane upgrading and liquefaction
- Air emissions treatment

We apply our depth of experience to develop the best energy sustainability solutions for a broad spectrum of sectors.



CHEMICAL & PHARMACEUTICAL

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Heat pump
- Trigeneration
- Air emissions treatment



PLASTIC

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Trigeneration
- Air emissions treatment



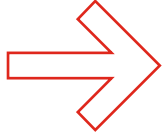
GREENHOUSE

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Air emissions treatment
- CO₂ liquefaction



COMMERCIAL BUILDINGS

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Trigeneration
- Air emissions treatment



AGRICULTURE

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Biogas-to-biomethane upgrading and liquefaction
- Air emissions treatment
- CO₂ liquefaction



WASTE

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Biogas-to-biomethane upgrading and liquefaction
- Air emissions treatment



HEALTHCARE

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Trigeneration
- Air emissions treatment



DATA CENTERS

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Trigeneration
- Air emissions treatment



MICROGRID

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Trigeneration



Air emissions treatment

OIL & GAS

- Cogeneration
- Air emissions treatment



MINING

- Cogeneration
- Air emissions treatment



UTILITY, ESCO & IPP

- Cogeneration
- Photovoltaic
- Battery energy storage system
- Heat pump
- Trigeneration
- Biogas-to-biomethane upgrading and liquefaction



A world map with a dark blue background and white outlines of continents. Several countries are highlighted in a bright red color. These include the United States (including Alaska), Canada, Mexico, Argentina, Brazil, and Australia. In Europe, several countries are highlighted: Ireland, United Kingdom, France, Germany, Poland, Czech Republic, Slovakia, Austria, Hungary, Romania, Bulgaria, Greece, and Italy. In Asia, Singapore is highlighted. Small black triangles are placed on the map to indicate specific locations within the highlighted countries.

Argentina Australia
Brazil Bulgaria
Canada Croatia
Czech Republic France
Germany Greece
Ireland Israel Italy
Mexico Poland
Puerto Rico Romania
Serbia Spain Singapore
United Kingdom
United States

AB is a group of companies with branches worldwide, operating in emerging and industrialized markets that value energy efficiency and sustainability.



The AB process from start to finish occurs in our world-class engineering and production center in Orzinuovi (BS – Italy), encompassing 40,000 m² of interconnected buildings.



Within the engineering hub, over 140 engineers plan, design and manage the hydraulic, electrical, mechanical, process and IT activities involved in delivering customized solutions for our customers' specific requirements. AB GRADE is a recognized center of excellence for research and development of new technologies in energy transition. DOABLE, the Group's technological hub dedicated to digitizing processes, embodies AB's commitment to innovation.

TECHNOLOGIES

- ECOMAX® COGENERATORS
(natural gas, biomethane, biogas, landfill gas, special gas. Hydrogen ready)
- PHOTOVOLTAIC, BATTERY ENERGY STORAGE SYSTEM AND HEAT PUMPS combined with cogenerators
- BIOCH4NGE® - BIOGAS-TO-BIOMETHANE UPGRADING SYSTEM
- CH4LNG - BIOMETHANE LIQUEFACTION SYSTEM
- DeNOx SCR REACTOR
- DISCOVERY - CO₂ RECOVERY SYSTEM
- REGENERATIVE THERMAL OXIDIZERS (RTO)



+2,100

plants designed
and built

+2,300 MW*

installed
to date

*ref. cogeneration

ACTIVITIES

Full-service maintenance contracts

Plant commissioning

Onsite assistance

Original spare parts

Training and refresher courses

Repair, upgrade and overhauls

Remote digitized monitoring and online diagnostics

NUMBERS

1,800+

plants are managed and monitored by AB Service.

57min

value of engines and spare parts in stock

250

overhauls performed.

Emergency service is available

24/7 year-round.

AB Service, with its 350 specialist technicians, is the Group company dedicated to monitor and maintain the plants we deliver to guarantee long-term optimal performance. A strategic choice to ensure the certainty of investment payback, with machine downtime minimized and an average plant operational availability near 100%.



“ Amadori chose to collaborate with AB because the technical skills and planning capacity of its professionals emerged immediately. But above all, what we think is important is to be able to rely on considerable expertise in terms of after-service support.



“ The choice of AB stems from a rigorous comparison with what other competing companies offered. We are also at the top of our industry and we like to dialogue with the best.

Over 1,500 elite customers. A firmly established reputation. Our customers' satisfaction is overwhelming proof of the value AB offers.



“ AB supplied an intervention plan consistent with our expectations, also indicating improvement solutions which are an integral part of their specialist experience. The plant built allows us to achieve the energy-saving targets that we had planned.



“ The interaction with AB also includes service and maintenance requests, which are met by a dedicated service 24 hours a day, every day of the year. This positively influenced the final decision to entrust the order to AB.



“ The collaboration with AB has become strong thanks to the solid foundations of its know-how and to its consolidated experience in the international cogeneration market, both for the volume of plants installed and for the quality of the service.



“ We were favorably impressed by the fact that only AB is able to follow the design, construction, installation and maintenance of a plant of this type directly and in full.

Sustainability

The New Normal

Our goal is to reach a state of “NEW NORMAL”, in which sustainability becomes a natural part of our processes and

AB AIMS TO POSITION ITSELF AS A BENCHMARK IN THE SUSTAINABILITY JOURNEY:

→ For our customers, by providing solutions and services designed to achieve sustainability goals—primarily in the energy and environmental fields and, consequently, also economic ones. Our approach is pragmatic and strongly realistic, aligned with the necessary evolution toward new business models.

→ For all stakeholders, as a virtuous example in a broader sustainability journey. We firmly believe that only by helping what surrounds us grow can we grow as well. For this reason, we actively collaborate with suppliers, schools, universities, local communities, and partners.



← FIND OUT MORE AND
DOWNLOAD THE
SUSTAINABILITY REPORTS

OUR CERTIFICATIONS REPRESENT OUR ONGOING COMMITMENT TO QUALITY, SAFETY, SUSTAINABILITY, AND EFFICIENCY.

By complying with recognized international standards, we ensure reliable production processes, environmental responsibility, protection of health and safety in the workplace, as well as compliance with European regulations for products and structures. Each certification we obtain reflects our commitment to operating with transparency and responsibility, providing customers with safe, high-quality solutions.

CERTIFICATIONS



UNI EN ISO 9001:2015
Quality System

To promote continuous improvement, process optimization, and cost reduction, as well as to ensure greater efficiency and quality of products and services.



UNI EN ISO 45001:2023
Health and Safety System

To manage health and safety at work, promoting safe environments and preventing accidents and occupational illnesses.



UNI EN ISO 14001:2015
Environmental System

To manage the organization's environmental impacts, continuously improving business practices with a focus on sustainability.



UNI CEI EN ISO 50001:2018 Energy System

To continuously improve the organization's energy efficiency through a structured and systematic approach.

UNI EN ISO 3834-2:2021
Welding System

To properly manage welding processes, ensuring the quality of welded joints.

UNI EN 1090-1:2012
Steel Structures

To ensure compliance with the requirements for mechanical strength, stability, and structural safety.



CE Certificates
Machinery Directive 2006/42/EC

To certify that machines comply with the essential health and safety requirements set out in the Machinery Directive, allowing their free circulation and marketing within the European Union.

3,000+ online videos

Video content from around the world

A global community of sector key players

AB is the publisher of the NetZero Tube portal, which consists of three video channels: Biogas Channel, Biomethane RNG Channel and Cogeneration Channel

Through these web channels, AB promotes an international exchange of information and technical-scientific dialogue on natural gas and biogas cogeneration, biomethane, sustainability, energy efficiency and related topics.

A global library of AB's know-how, expertise, and innovation contained in three multimedia channels, available anytime, anywhere.

NetZero
tube

Biogas
channel

Biomethane
RNG channel

Cogeneration
channel

netzerotube.com

biogaschannel.com

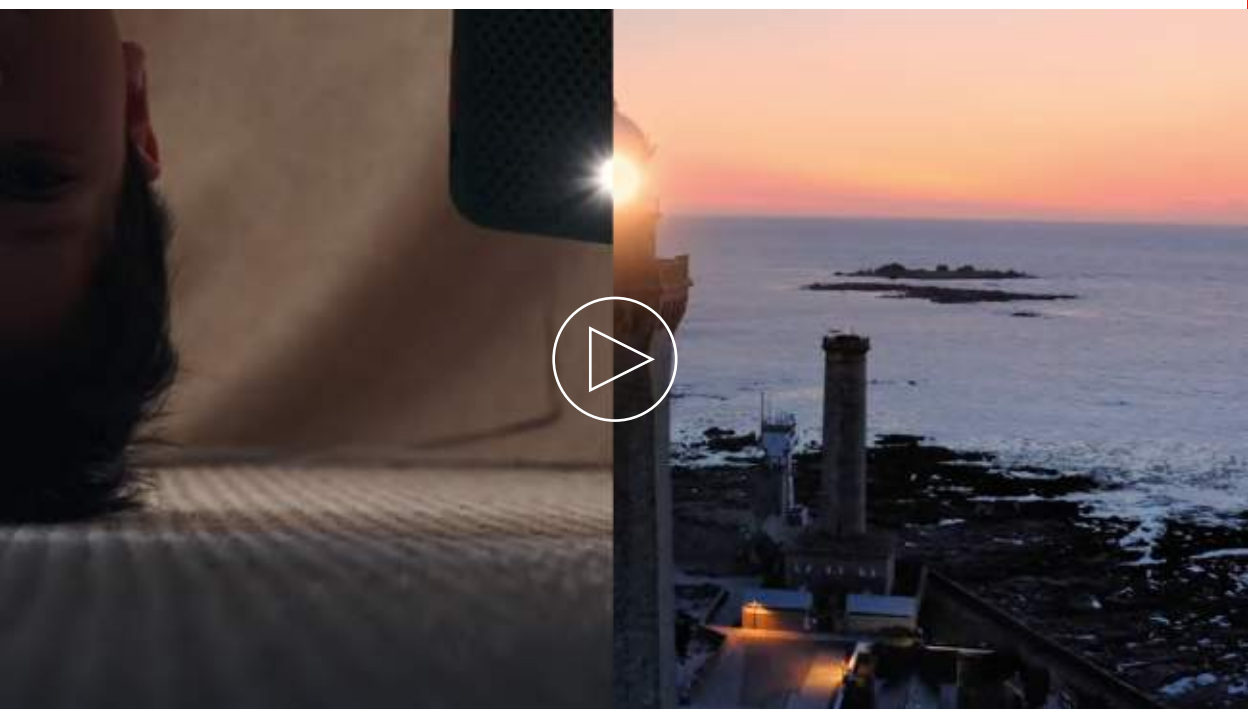
biomethanerngchannel.com

cogenerationchannel.com

A Better Way



watch
the video





gruppoab.com