

ecoCO2[®]

Babcock's LGE business is a world-leading provider of liquefied gas handling solutions to the marine industry. Our technologies improve efficiency and enhance performance; delivering value to customers throughout the vessel's lifetime.

ecoCO2[®] is Babcock's LGE liquefied CO₂ (LCO₂) cargo handling system. Designed with consideration for the full Carbon Capture, Utilisation and Storage (CCUS) value chain, ecoCO2[®] delivers a simple, cost-effective and efficient solution for the transportation of LCO₂. ecoCO2[®] incorporates tried and tested equipment and adheres to industry safety standards and environmental legislation.

Flexible and reliable design

The system is fully flexible, accounting for project specifications and delivering commercial and operational benefits. ecoCO2[®] covers a range of design specifications typically encompassing:

- › Tank capacity as per project requirements
- › Tank geometry (cylindrical, bi-lobe, tri-lobe)
- › Tank pressure (6.5 to 18.0 barg)
- › Cargoes (LCO₂, LPG, NH₃, LEG, LNG)
- › Alternative fuels (NH₃, LPG, LNG, others as required)

Full value-chain capability

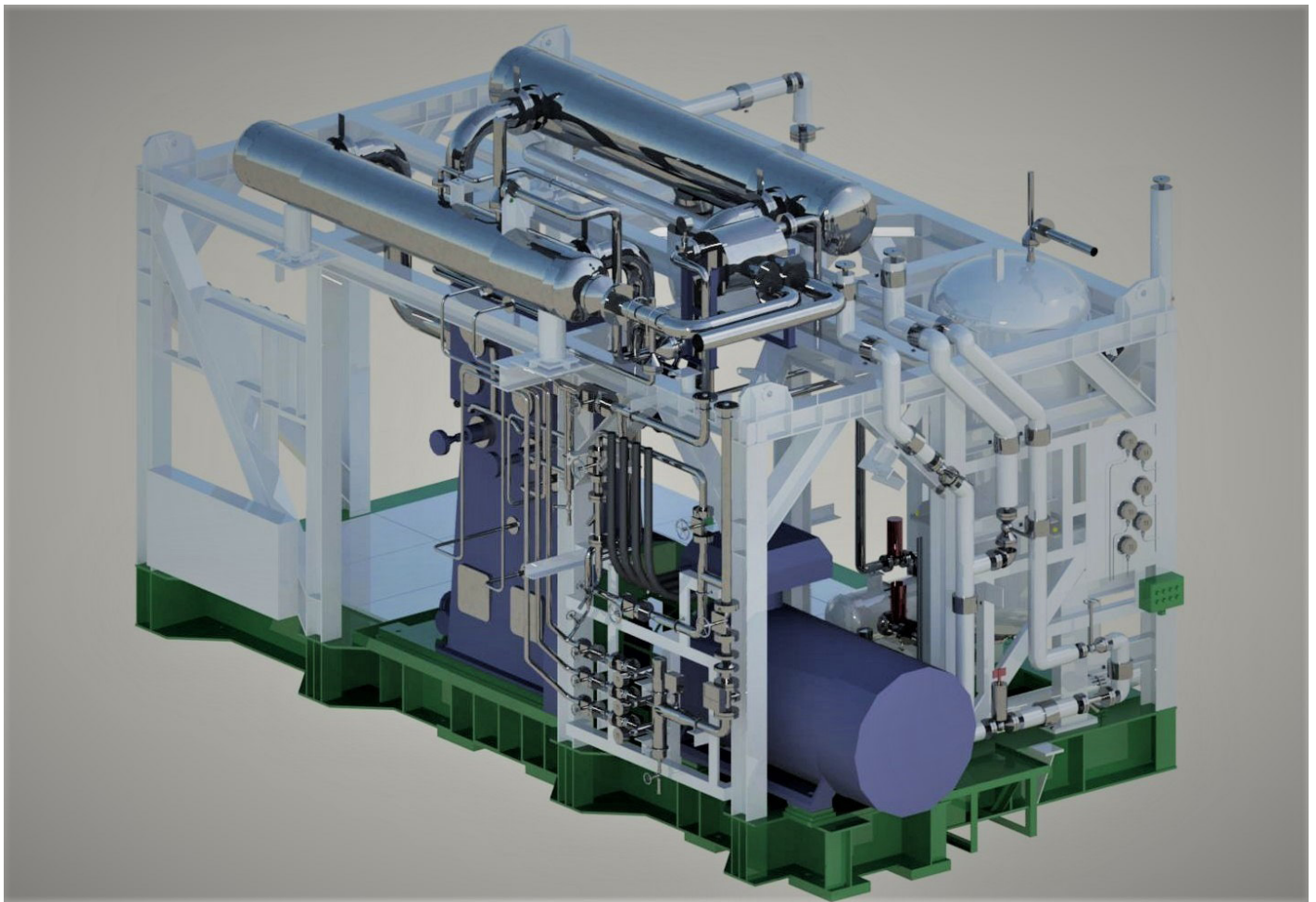
Babcock's LGE business is working with partners across the full CCUS value-chain, including emitters, sequestrators, energy majors and shipowners to develop a system which addresses the key requirements of each project including shipping profiles, loading and discharge terminal parameters, cargo composition and volumes. This holistic approach improves efficiency of operations and makes ecoCO2® a valuable asset for each CCUS project.

Flexible trading

Recognising that while dedicated CO₂ trade routes will develop over time, opportunities exist for multi-gas trading today. Babcock's LGE business has considered a range of vessel configurations for ships to maximise commercial opportunities.

With over 50 years experience and 400 projects delivered across LPG, LEG, LNG and NH₃, Babcock's LGE business is the partner of choice for liquefied gases.

Talk to our team of experts today to learn more about how ecoCO2® can maximise the efficiency of your project.



Now more than ever, what we do matters: creating a safe and secure world, together.

Get in touch

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