



Amarinth

A WORLD-LEADING, NET ZERO DESIGNER AND MANUFACTURER OF LOW LIFECYCLE COST CENTRIFUGAL PUMPS AND ASSOCIATED EQUIPMENT.

Introduction

For two decades, Amarith has pioneered cutting-edge pumping solutions for oil and gas, process, energy and renewables. A decade ago, Amarith acknowledged the growing importance of carbon reduction, embarking on a journey to transform into a net zero organisation. Amarith's customers, comprising some of the world's largest corporations, had also initiated net zero endeavours, exerting pressure on their supply chain partners, demanding tangible steps toward net zero status. Amarith firmly rejected the greenwashing tactics observed in some companies, which was a marketing ploy of purporting to be environmentally

conscious without any notable sustainability efforts. Instead, it devised a plan for tangible carbon reductions, leveraging them as business benefits aligned with the company's strategy. The goal was not just sustainability but a measurable impact that could withstand rigorous scrutiny. However, the company faced a stark reality. Despite governmental rhetoric, carbon reduction surveys and COP commitments, there was an alarming lack of support and practical advice, especially for smaller businesses. In the absence of any clear guidance though, Amarith continued to forge a path toward its self-imposed goals.

Project Overview

Amarith knew achieving net zero would be neither swift nor straightforward, requiring a comprehensive, long-term approach. Its shareholders and board of directors committed with passion and determination the necessary resources and time, and, simultaneously, staff members integrated the vision into daily activities, fostering a culture that celebrated collective successes. Amarith began with an environmental management system (EMS), aligned with key performance indicators (KPIs), to enhance environmental performance. Employee ambassadors shaped processes and policies, instilling a culture of environmental responsibility. This led to ISO 14001 certification in 2014, a testament to environmental excellence.

Amarith turned its attention to identifying a recognised standard. Despite initial frustration with the lack of guidance, the company finally discovered

ISO 14064-1, a framework for measuring greenhouse gas emissions and clarifying carbon footprints. This decision of being independently audited underscored Amarith's commitment to transparently demonstrate its achievements.

Thorough assessment identified emission sources, leading to a robust monitoring system with three objectives:

1. Achieving a net-zero facility,
2. Manufacturing energy-efficient pumps, and
3. Developing an environmentally sustainable supply chain.

Significant investments were made, aligned with the business strategy, and in 2022, Amarith achieved ISO 14064-1 Carbon Reduce Certification, showcasing

its commitment to sustainability. Amarith also encouraged its supply chain to follow suit, emphasising the importance of industry alignment whilst evidencing influence beyond the direct operation.

Results Achieved

Amarith's commitment to sustainability has yielded substantial benefits, including:

- Carbon neutrality at its UK head office, with its own solar array powering all facilities and recharging its electric and hybrid vehicles.
- Direct connection to a local biomass power station for peak energy requirements, reducing dependence on brown energy.
- State-of-the-art test bay with remote witness testing capabilities, minimising the need for customers to travel long distances.
- Cutting-edge pumps that are among the most efficient in the world, leveraging unrivalled expertise into new solutions for renewables, hydrogen and carbon capture.
- Supply chain alignment, with environmental philosophies a prerequisite for preferred supplier status, promoting efficient use of raw materials, minimising waste and inspiring others to embark on their own net zero journeys.

Furthermore, Amarith fosters initiatives like cycle-to-work incentives, a zero-emission car scheme, a wildflower meadow supporting local bees and active recycling programs.

Conclusion and Future Works

In just ten years, Amarith has made significant progress. It has not been easy, with many frustrations amid a scarcity of guidance and support. However, the company overcame the challenges, achieving ISO 14064-1 certification, and is more knowledgeable and well-prepared to advance its commitment to net zero in 2024 with ISO 14068. Sustainability is integral to Amarith's DNA, fostering innovation and efficient products while reducing its carbon footprint. This dual focus benefits the organisation and attracts orders from clients seeking a net zero supply partner. Amarith's unwavering commitment to sustainability is not just a journey; it's a testament to transformative leadership in the pursuit of a greener, more responsible future.



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The company at a glance

Key products and services

- > API 610, API 685, and ISO 5199 centrifugal pumps and associated equipment for critical applications in many of the most arduous and hostile environments around the globe.

Main industries served

- > Offshore oil and gas
- > Onshore oil and gas
- > Nuclear
- > Renewable energy generation
- > Defence
- > Desalination
- > Process and industrial markets

- > **Headquarters**
Rendlesham, UK
- > **Company website**
www.amarith.com
- > **Year established**
2003
- > **Number of employees**
48
- > **Revenue**
£8m