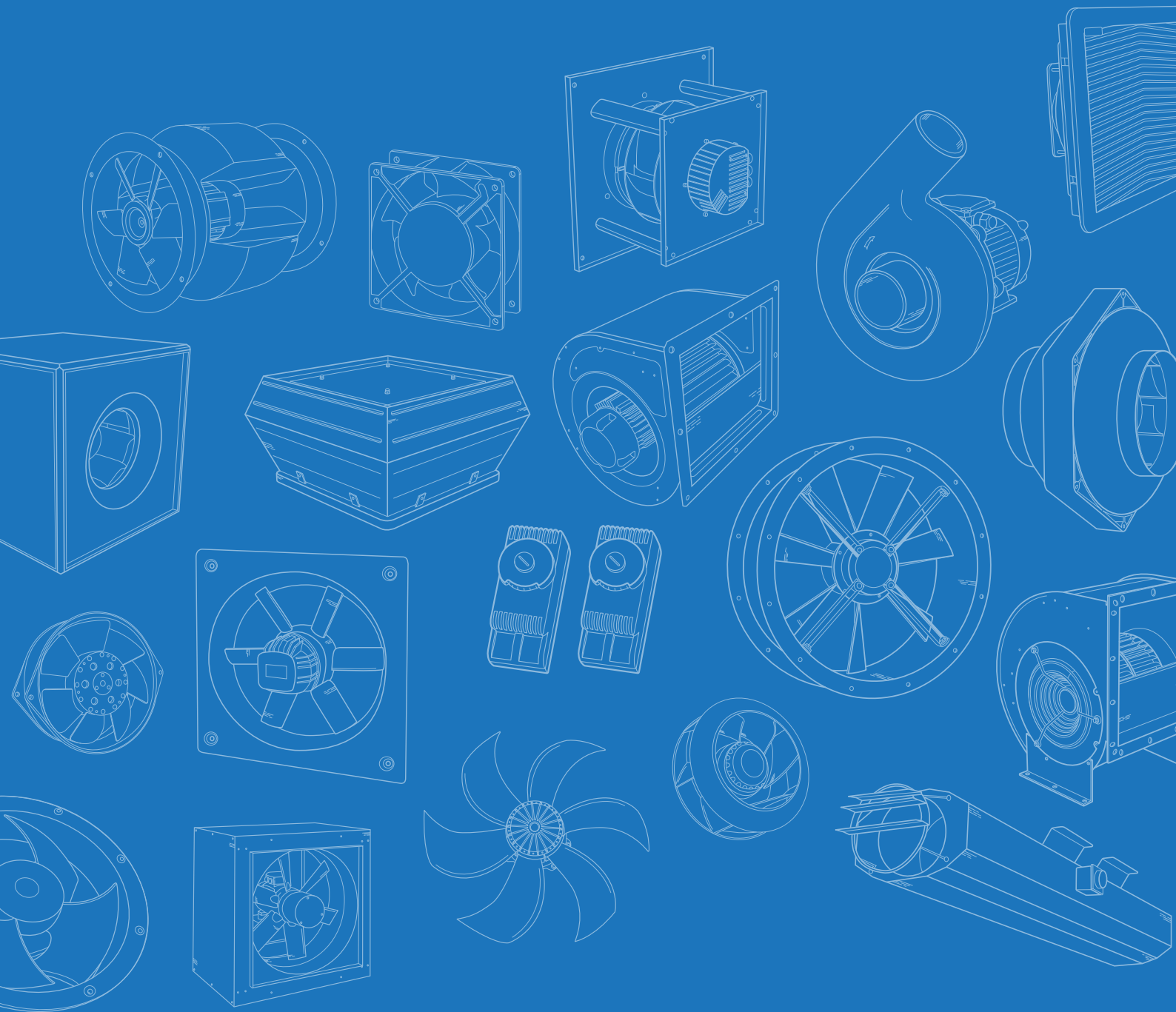


Industrial Case Study

The NOC



We Challenged the Status Quo at The National Oceanography Centre

Following a tireless process working on a fume extract retrofit specification, Axair are proud to have been awarded the entire polypropylene fans schedule for the prestigious National Oceanography Centre in Southampton (NCOS). The retrofit would be tackled in two phases, with phase one in early Spring of 2023 and phase two starting in the September. Axair's industrial and technical team worked collaboratively with the contractor, specifier and building management consultant to ensure accurate fan selections that would deliver the required operating duties required to provide supply and extract to 8 classified area categories across the building.

The Fume Fan Specification

The agreed specification stated that all fans should be chemically resistant polypropylene centrifugal fans with drain point, incorporating forward or backward curved multi-vane moulded impellers, manufactured from polypropylene. Fans should be mounted on a mild steel or outdoor box pedestal with inlet support ring and four rubber anti vibration mounts. All motors should be high efficiency IE5 EC fan motors located outside of the airstream.



Leveraging In-house Technical Skills for Better Results

Our inhouse technical team worked to support all stakeholders with the integration of the EC fans and inverters into the building management system to deliver current monitoring solutions that could meet the objectives of the project:

To improve the energy efficiency and reduce fume extraction system energy consumption across the site.

Why EC Fans with IE5 Motors?

Energy efficient polypropylene fans featuring IE5, are designed to reduce fan energy consumption by up to 20% without affecting performance.

EC Fan Inverters

EC polypropylene fans come with inverters prewired with a 1m cable while the motor can be situated up to 25m away from the inverter. 1m cable was supplied as standard by Axair, therefore additional cable was provided by the contractor.



EC fume fans can reduce scope 2 emissions and energy consumption by up to 20% without affecting performance.”

About the Site

The NOCS is a centre for research, teaching and technology development in Ocean and Earth science, and has a range of laboratories, workshops, and testing facilities available to the marine science community and external organisations. The NOCS also provides undergraduate, post graduate and community study routes for those who wish to gain experience and work in the environmental sector.

National
Oceanography
Centre





Contact Us

Whatever your issue, concern or question, contact our OEM team using the below contact details. Alternatively, visit our website and open a live chat to start discussions.

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