



BFBi, ECITB and NIRAS Presents:

Breakfast Briefing: Heat Pumps: Balancing Benefits & Integration & Introduction to Compliance (PUWER, CE, ATEX)

Venue: NIRAS Lorien Engineering Solutions, Millennium Court, First Avenue, Burton on Trent, Staffordshire, DE14 2WH

Date: Thursday 14th November 2024

Time: 8.30am - 10.30am

BENEFITS OF ATTENDING

Whether it's to improve your knowledge, have a refresher or review options for Heat pumps with cost and carbon savings through to responsibilities, learn about Directives or keep up-to-date with changes in legislation we look forward to seeing you.

Places are limited to encourage interaction and open to project managers through to H&S and capital projects staff within food & beverage manufacturers. Likewise equipment manufacturers will learn their duties & responsibilities. Open to BFBi members and the wider industry.

SPEAKERS

Mike Bannerman, Sustainability Consultant, NIRAS Lorien Engineering Solutions.

Tony Reynolds, Engineering Manager - Compliance, NIRAS Group.

COST

- FREE to BFBi Members or £15+vat to non BFBi members.
- Limited to 2 people per company

If you are not a BFBi member and interested in finding out the benefits of membership please contact jodie.serlenga@bfbi.org.uk

SPEAKERS

Mike Bannerman, Sustainability Consultant, NIRAS Lorien Engineering Solutions.

Mike leads projects to support food and beverage manufacturers to decarbonise in a practical, cost-effective, and timely manner. He joined Lorien in 2019 as a Utilities Project Engineer and has a wealth of experience in utility systems relating to heating, cooling, water, compressed air, and industrial gases. As a Chartered Chemical Engineer and ESOS Lead Assessor, he brings a high level of analytical skill, motivation, and passion for sustainability to his projects. In recent years, client demand for decarbonisation of heat and heat pump networks has increased significantly. Mike's understanding of these systems allows him to address the complexities of implementing heat pump solutions, from balancing heat loads to determining system components. In his current role, Mike is supporting clients in their decarbonisation efforts through consulting services. His work encompasses feasibility studies, energy and carbon models, engineering design, workshops, and FEED studies. He ensures that solutions are not only effective but also align with practical and economic considerations.



Examples of recent projects include:

- Leading a heat pump FEED study for a UK brewer, significantly advancing sustainability roadmaps towards their goals.
- Optimising and troubleshooting an existing heat pump network, resulting in improved efficiency and reduced emissions.
- Design of a CO₂ recovery system for a distillery, enhancing sustainability and operational efficiency.

Tony Reynolds, Engineering Manager - Compliance, NIRAS Group.

Tony Reynolds manages a team of compliance engineers within the NIRAS Group. The areas of specialisms for this team includes CE marking of complex assemblies, machine safety risk assessments, validation of SRP/CS, HAZOPS, ATEX & DSEAR regarding explosive atmospheres (dusts, gases and vapours) for both new and legacy facilities. Tony's position within our business is Compliance Manager, originally joining the business in 2007 having worked in the compliance and approvals industry for over 16 years previously. He has previously worked for certification bodies such as TÜV Rheinland and British Standards Institution, and commercial companies including Pitney Bowes. He has been involved with product approvals on a global basis and brings with him a vast and unique knowledge of product approvals and regulations from around the world. Tony has experience of working in the UK, Germany, USA, Canada, Russia, India, South Africa, Indonesia, China, Japan, Australia, New Zealand, France, Spain, Slovenia, Slovakia, Belgium, Poland and Holland. In his current role Tony also delivers technical training for customer in-house courses on a broad range of safety compliance topics.



Recent examples of Tony's work include the following:

- Compliance Programme Manager for a food manufacturing client, overseeing multiple compliance projects across the client's manufacturing network to ensure that assessments and report remain aligned to a common standard.
- The delivery of safety compliance training including Machine Safety (PUWER and CE Marking), Explosive Atmospheres (DSEAR and ATEX), and construction safety (CDM Regulations) for a speciality chemicals company serving the automotive sector.
- Explosive atmospheres on-site inspection and compliance gap reporting for facilities operated by a global household cleaning products manufacturer, surveying locations in India and Indonesia, and leading the compliant design of a new facility in the Middle-East.

