# Idiris Abdulkadir

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Proactive and analytical professional, armed with a robust academic and professional background in process design, safety, and optimisation. Collaborative and communicative, fostering strong relationships with colleagues and clients. Exhibits a detailed understanding of carbon capture, low-carbon initiatives and sustainability measures in the energy industry. Driven by a desire to achieve chartership, learn from industry experts, and become a multi-skilled engineer in the energy industry. Highly proficient in Microsoft Office and modelling software such as AutoCAD and ASPEN Plus.

## AREAS OF EXPERTISE

- **Process Design:** Proven academic and professional ability in conceptual, Front-End Engineering Design (FEED) and Detailed Design for a major project in the UK, adept in using modelling software to assess and improve process efficiency, as well as economic costing.
- **Process Safety:** Capable of conducting Hazard and Operability studies (HAZOP) to mitigate safety risks, as well as performing cooperative and creative thinking to adhere to safety regulations.
- **Sustainability:** Solid understanding of sustainability principles and the importance of net-zero, keen to contribute to low carbon initiatives to support sustainable development.
- **Project Management:** Proficient in crafting clear, engaging, and collaborative strategies to tackle tasks and achieve objectives that meet stakeholder expectations.

## EDUCATION

**BRUNEL UNIVERSITY LONDON** London, UK
BEng Chemical Engineering - Upper Second-Class honours (2:1) Sep 2019 – Jun 2022
Relevant Coursework: Separation Processes, Process Control, Process Design & Safety, Big Data Analytics

**ASHCROFT TECHNOLOGY ACADEMY** London, UK
A Levels in Maths, Chemistry, & Biology Sep 2017 – Jul 2019

## RELEVANT EXPERIENCE

**MARCHWOOD POWER LIMITED** Sep 2021 – Jun 2022
Process Engineer Apprentice

- Involved in planning, designing, and maintaining a retro-fit carbon capture unit designed to remove 90% of carbon emissions from the flue gas of the Marchwood power station in Southampton as part of an industrial experience programme.
- Conducted comprehensive conceptual design and FEED to map out technical requirements of the unit, as well as mass and energy balances for each process unit.
- Key role in operating the instrumentation & control to ensure process remains within operating parameters.
- Carried out health & safety risk assessments through HAZOP & HAZID studies leading to safe and COMAH compliant design.
- Utilised modelling software such as Aspen Plus and AutoCAD in modelling process units and assessing unit performance, resulting in process efficiency.
- Developed highly detailed PFDs and P&IDs diagrams for critical units, enhancing the clarity and precision of the design documentation for effective implementation and troubleshooting.

**BRUNEL SHOWCASE PROGRAMME** Oct 2021– Jan 2022
Skimmed Milk Power Production Plant Project

- Led the comprehensive planning, design, and presentation of a skimmed milk powder production plant, achieving an impressive annual production capacity of 10,000 tonnes, ensuring the plant's operational viability and ability to meet production targets.
- Played an integral role in conducting a thorough environmental impact assessment of the plant through a Sustainability Appraisal and a detailed Life Cycle Assessment, ensuring compliance with sustainability standards and responsible operational practices.
- Collaborated closely with cross-functional teams, ensuring seamless coordination between engineering, environmental, and construction teams, fostering a culture of collaboration and efficient project execution.
- Presented the final design and operational capabilities of the skimmed milk powder production plant to stakeholders, garnering widespread approval and support for the project, demonstrating the plant's potential and alignment with organisational goals.

## PROFESSIONAL EXPERIENCE

**SELFRIDGES & CO** Nations House, W1U 1QS
Sales Analyst - Eleventy Apr 2023 – Present

- Conducts detailed evaluation of competitive actions, customer behaviours, and market trends through ongoing monitoring and analysis, enabling strategic decision-making and market responsiveness.
- Utilises Excel to compile and track sales data, facilitating the development of future sales strategies and objectives
- Assists Management by providing in-depth analysis of monthly sales reports, highlighting critical insights and trends to support data-driven decision-making.
- Forecasts demand, revenue, and expenses for the upcoming Eleventy Autumn/Winter '23 collection, enhancing operational planning and ensuring streamlined production processes.
- Interprets sales metrics and customer feedback, identifying areas for improvement and implementing targeted measures.
- Collaborates with cross-functional teams to streamline data collection processes, improving data accuracy and reducing reporting time, ensuring timely and precise sales analysis.
- Presents comprehensive findings and recommendations to stakeholders, facilitating informed discussions and decisions.

**GRAFTON MEDICAL PARTNERS** Trevelyan House Surgery, SW17 0RT
Medical Administrator & Receptionist Jul 2022 – Apr 2023

- Managed diverse aspects of patient care, including appointment scheduling, handling patient documentation, and processing prescriptions, ensuring smooth and organised patient interactions.
- Fostered collaboration with an extensive network of healthcare professionals both within and outside the practice team, optimising service efficiency and patient care.
- Leveraged IT systems to utilise and safeguard patient data, supporting practice and broader NHS objectives while adhering to confidentiality policies and guidelines.
- Coordinated patient scheduling and appointment bookings, ensuring effective time management and optimal utilisation of medical staff resources.
- Administered prescription processes with precision and accuracy, enhancing patient safety and contributing to the overall efficiency of medication management within the healthcare facility.

**CHELSEA FOOTBALL CLUB** Stamford Bridge, SW6 1HS
Hospitality Steward Aug 2019 – Jun 2022

- Ensured strict adherence to safety and security protocols, contributing to a secure environment while actively engaging with fans and customers to elevate their overall experience.
- Successfully monitored and managed crowd dynamics during high-pressure situations, meeting safety requirements and effectively mitigating potential risks, resulting in a safe and enjoyable event for all attendees.
- Collaborated with fellow stewards to respond to security concerns, minimising disruptions and maintaining a safe atmosphere swiftly and efficiently throughout the event.
- Demonstrated exceptional interpersonal skills by engaging with fans and customers, creating a positive and welcoming environment that enhanced satisfaction and enjoyment.

## EVENTS & VOLUNTEERING

Building a career in sustainability - 21st Feb 2023 Imperial College London, South Kensington Campus
Design and Engineering for Sustainability and Circularity - 8 Feb 2023 London South Bank University
Nuclear - at the core of the energy transition - 7 Dec 2022 Imperial College London, South Kensington Campus

## EXTRACURRICULAR ACTIVITIES & WORKSHOPS

**INSTITUTION OF CHEMICAL ENGINEERS (IChemE)** London
Associate Member Jul 2022 – Present
**BRUNEL ENGINEERING SOCIETY** London
Member and Treasurer Sep 2020 –Jun 2022