|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **MICHAEL NORTON CEng MSc BSc** | | | | | |
|  |  | | | | | |
|  |  |  | | | | | |
| Profession   * Project Manager / Design Manager Mechanical Engineer – Building Services   Position   * Project Manager   Nationality   * British   **Date of Birth**   * 03 – 10 – 1978   Qualifications   * CEng MCIBSE * PRINCE 2 * MSc Sustainable Energy Systems – Southbank University (09/2004 – 09/2006) * 2004 – BSc (Hons) Building Services, South Bank University * 2006 – CIBSE / ASHRAE Graduate of the Year 2006   Memberships   * MCIBSE * CIBSE Young Engineers’ Network * Association of Project Management | Key Experience and Background  Project and design management with experience in the procurement, design and management of large scale infrastructure projects in both the United Kingdom and Middle East.  Management of multi discipline teams in the delivery of design packages and responsible for the quality and timely delivery of documents ranging from tender stage through to construction.  Liaising with clients and other stakeholders in maintaining positive customer relations and retaining clients.  Working closely with contractors at the construction stage of projects to provide assistance in the implementation of the project design as well as assisting with authority approvals and client handover.  Knowledge of high level quality assurance procedures especially the OCRA system. A strong approach to ensuring client satisfaction and all client expectations are understood and realised.  Developing and implementing innovative and novel engineering solutions, such as bespoke platform cooling systems and mid tunnel ventilation solutions.  Actively involved with CIBSE activities, member of regional committees, CIBSE Council and Careers Panel, membership interviewer and founding member and past chair of the CIBSE Young Engineers’ Network. | | | | | |
| Career History | | | | | |
| Year | Position | Company | Country | |
| 2012 – Date | Project Manager | Hyder Consulting | | Qatar | |
| 2011 – 2012 | Snr Mech Engineer | Hoare Lea | | UK | |
|  | 2007 – 2011 | Project Manager | WS Atkins (Rail) | | UK | |
|  | 2005 - 2007 | Snr Mech Engineer | WS Atkins (Rail) | | UK | |
|  | 2004 – 2005 | Snr Mech Engineer | A & G Partners | | UK | |
|  | 2003 - 2004 | Snr Mech Engineer | Operon | | UK | |
|  | 2001 – 2003 | Mech Engineer | Kennedy Haywards | | UK | |
|  |  | 1998 - 2001 | Junior Engineer | FC Foreman’s | | UK | |

Key Project Summary

|  |  |
| --- | --- |
| 2012 – Date | Hyder Consulting Middle East Limited – Project Manager  Education City (Doha)  Project Manager responsible for the delivery of four 40,000 Ton central cooling plants each at various stages, ranging from tender design to construction and commissioning. Responsible for managing a multi discipline design team based in a regional design centre in the production of tender and design packages.  Providing construction stage support services to contractors including RFIs and site inspections. This required regular site based meetings, workshops and site visits in order to aid the contractor in their installation, to be in line with the design. |
|  | This role included responsibility for local authority approvals such as Civil Defence (Fire Safety) requiring a knowledge of fire regulations and NFPA standards. |
| 2011 – 2012 | Hoare Lea – Senior Mechanical Engineer  Senior mechanical engineer on various projects |
|  | Responsible for the mechanical and PH design on various residential and commercial projects for both private and public sector clients. This role included responsibility for the production of design drawings, specifications and reports. |
| 2007 – 2011 | **Atkins Rail – Project Manager/ Design Manager**    **Farringdon Station, Network Rail & LU**  Responsible for a number of variations at project construction stage, working closely with the contractors to ensure the construction programme did not slip. The project consisted of a new Network Rail Station building and integration with the existing Farringdon station, aiding the contractor with construction works which were on-going whilst the station was fully operational.  The multidiscipline design works for this project included upgrading of existing premises, provision of new services for back of house areas, structural design and power integration. |
|  | **Mid Tunnel ventilation upgrade projects**  A 12 month programme to provide design solutions for bringing back into use existing mid-tunnel ventilation systems for three London Underground stations. I managed a multi discipline team, plus external contractors, and was responsible for the successful delivery of the three design packages, as well as the commercial and programme management.  One of the key elements on these projects was the need for sophisticated calculation methods for the ventilation modelling. We used a method of fluid flow resistance developed by I.E. Idelchick which allowed for a much more detailed model to be developed than would normally be required. |
| 2005 – 2007  2004 – 2005  2003 – 2004  2001 – 2003  1998 - 2001 | **Hammersmith Depot facility upgrade**  I managed the mechanical design for the upgrade of Hammersmith Depot. The Depot required upgrading in order to accommodate new rolling stock which required lengthening of platforms, additional power and water as well as utility upgrades and additional premises.    **Cooling the Tube programme**  I was responsible for the bidding for and successful completion of a number of Cooling the Tube projects. These projects consisted of multi disciple design teams as well as external contractors working on various design solutions ranging from ventilation upgrades, bespoke platform cooling systems, new mid tunnel ventilation systems and ground water cooling.  **Atkins Rail – Senior Mechanical Engineer**  **London Underground station upgrade programme**  Lead mechanical engineer on various station upgrade projects for the Metronet Project. This role required working closely with a multi discipline design team to ensure designs were coordinated to a high standard, all client requirements were met and LU standards were adhered to.  **A&G Partnership Senior Mechanical engineer**  **Various office projects**  Responsible for the mechanical design on various projects ranging from new build to refurbishments of offices. This role involved working with clients and contractors to produce design drawings and specifications.  **Operon Senior Mechanical Engineer**  **Foreign and Commonwealth Office asset survey**  This project required a complete and comprehensive survey of all the FCO buildings’ MEP services. The resulting report was produced for an assessment on the condition of all MEP services in both the London main building and regional buildings.  **Starbucks Coffee Shops**  Working with Starbucks Coffee company to produce the mechanical design for new coffee shops in London and the home counties. This involved initial site inspections, design development and supervising the contractor in testing and commissioning of the mechanical services.  **Kennedy Hayward’s Mechanical Engineer**  Working for an MEP consultant on various projects, such as the Basildon Hospital Dermatology wing and local school refurbishments. This role involved site surveys, report writing and the production of design drawings and specifications.  **FC Foreman’s Junior Mechanical Engineer**  Working as an assistant to the lead mechanical engineer to produce mechanical designs for various London and UK based projects. Producing design calculations, system designs and CAD drawings. Types of projects included The Heron Tower London, Xscape indoor ski centre and the Heron headquarters London.  **Additional Experience**  The aforementioned projects have provided experience and knowledge of, but not limited to, the following specialist disciplines: RAMS, Systems, Human Factors, ground water cooling, district cooling and OCRA QA procedures;  Experience in client relations, site based co-ordination and working within joint venture environments;  Bidding for new projects, project reporting and invoicing, as well as programme management. |
|  |  |