

NAME OF PERSON Abid Khan (MIET)
NATIONALITY BRITISH
POSITION Assistant Signalling Design Engineer
QUALIFICATIONS MBA (Innovative Management)
Bachelor Of Technology (Electronics & Communication Engineering)



TRAINING IRSE Licensed Signalling Installer (1.2.110)
Working towards IRSE Signalling Design Assistant (1.1.500)
Introduction to SSI
Electrical Principles
Basic Signalling One
Basic Signalling Two
Basic Diagram Reading
SPWEE
Electrical Installation Skills signalling
Personal Track Safety (PTS)
CSCS
Basic Track Awareness and Lucas
Emergency First Aid, working at Heights
Manual Handling

KEY EXPERIENCE A railway Signalling Engineer with 3 years railway signalling experience in the UK rail industry, Abid has recently moved from the field of installation into railway signalling design. His recent experience has seen him engaged in carrying out signalling installation activities on a wide range of signalling systems and equipment. The installation role has provided the opportunity to develop his knowledge and experience of interpreting signalling standards and drawings.

EXPERIENCE

April 2016 – Present **Kilborn Consulting Limited, Assistant Signalling Design Engineer**

- Working towards IRSE Signalling Design Assistant license.
- Assisting the signalling designer in the preparation of scheme plan and location case design.
- Assisting with the preparation and production of a feasibility study for Exeter Old's View Depot.
- Involvement in site survey and correlation for Exeter Old's View Depot.
- Carrying out eB searches, as well as research on applicable standards and railway standards.

Projects undertaken:

Exeter Old's View Depot: Signalling changes were proposed which include moving two signals and associated equipment. I assisted in proposed signalling changes, produced Scheme plan including proposed work, red/green design. Prepared all the documents required for correlation by performing search on eB and stamping them, assisted correlation survey by being available on site.

Prologis DIRFT III: This project consisted of 16 location cases and REB. To perform signalling correlation of all location cases and REB, I prepared the records needed by identifying the correct copies and stamping them. I was on-site as a part of correlation team from start till end.

Crown Point Depot: The depot consists of 25 sidings / roads, of which 12 are electrified at 25Kv AC. These are roads No. 1 to No. 8 inclusive and roads Nos. 15, 16 and 17. Enhancements to the depot are required to allow for the accommodation of various rolling stocks. I have been assisting from preliminary activities to detail design.

Nov 2013 to March 2016 WS Atkins, Installer/Engineering Assistant

Projects undertaken:

East Kent Re-signalling 2: Carried out surveys, installation of cables, installation of line side and four-foot equipment, performed fringe work, stage work and was involved in planning and execution of final commissioning,

Victoria Phase 2: I worked on Victoria project, installed AWS, TPWS, Axel Counters and wiring.

East Sussex: I worked on East Sussex job installing four-foot signalling equipment and got involved in commissioning over the long weekend helping testers for change over, recovering old signalling equipment.

Brief description of job activities

- Installation of four-foot rail equipment's such as AWS, TPWS, Axel counters, signals, Impedance bond
- Removals of equipment for purpose of track renewals.
- Assisting point's team for removal of old points and installation of new HW points.
- Installation of MODS in the existing location case under the supervision of team leader.
- Termination of wires, cable and installation of equipment in new location case using drawings.
- Assisting team leader with location plan, scheme plan etc.
- Measuring of AWS and TPWS heights and distances
- Carry out the QA and QC of location cases under the supervision of team leader.
- Assisting Tester for change over in location cases.
- Working in the relay rooms along with the team, performing stage works and fringe works.

June 2010 to July 2013

Delphi Diesel Systems, Kent, UK, Electronic Technician

- Performed troubleshoot on the PLC control systems with the help of electrical components.
- Checked any problem that related to the working of equipment, assembly automation, work stations and automated equipment's.
- Documented all changes and updated the reports accordingly.
- Managed the electrical control systems, maintained downtime of equipment and ensured the worker safety.
- Coordinated with various departments and improved the working of the new projects.
- Assisted the maintenance group and ensured the smooth functioning of the product.
- Training of other personnel as required.

Academic Projects: Mobile Robot Football Team

This real-time embedded project was inspired from one of the most famous Robotic games 'Robocup'. The aim of the project is to design an electrical and electronic robot that can play Soccer After doing the risk assessment a robot was designed that received signals from computer.

An image processing tool of MATLAB was used which acted as senses of the robot, ER400TRS easy radio was used as a form of communication medium between the computer and the robot. Design of robot was carried on in Proteus 7 professional, ISIS and ARES were used to design the layout of a PCB.

A Microcontroller was used as a brain and Programmable IC embedded C was used as the programming language, virtual design and program was tested in MPLAB. The robot has to understand its position along with the position of the ball and move towards it and push the ball towards the goal

Education:

Masters of Business Administration, *Innovative Management* May 2009
Coventry University, Coventry, UK.

Bachelor of Technology, *Electronics and Communication Engineering* April 2005
Jawaharlal Nehru Technological University, Hyderabad, India