

Curriculum Vitae

Andy Lillie

Andy Lillie – 2025

Experience

Contractors Engineering Manager - CEM Development
Contractors Responsible Engineer - CRE Lead Engineer
Design Management Engineering Delivery Manager
REQUIREMENTS MANAGEMENT & ENGINEERING Tester in Charge - TIC
Package Manager Integration Management Design and Build
Stakeholder Integration Change Control Elicitation Management

Current Employment

Consultancy and Freelance work:

Professional and varied skill set that can be applied to most sectors, including:

Rail, Transportation, Renewables – Solar/Wind, Critical Infrastructure, Industrial, Construction, Highways & Commercial

- **Hitachi Information Control Systems Europe Ltd: Sept 22 – Jan 25**
- **Kelly Rail: Feb 24 – present – CEM, CRE & Integration Management Roles**

CEM Signalling – TBROC Core Workstations – Additional Provision

CEM Signalling – TREsa ARS on Wimbledon Signalling Control Centre. Client integration, engineering assurance and management including software configuration and updates, control desk & panel modifications. Integrated solutions, TEML41, TRETTS, etc.

CEM M & E – Didcot Data Storage Centre Air Con Renewals (Kelly Rail)

CEM SISS – Core Valley SISS Renewals – TfW – (Kelly Rail)

May 2022 – Oct 2022: Various **free-lance** CRE roles for Ops comms,

Previous

Keltbray, AM1 and Solvere etc.

June 2016 – May 2022: Optilan (UK) Ltd (contract)

CEM – Contractors Engineering Manager/**CRE** - Contractors Responsible Engineer for Design, Construction, Test & Commission/**TIC**/Lead Project Engineer/Integration Management – Multi-discipline - Telecoms, M & E, Civils and Specialist contractors

- Engineering Management of Project life cycle Deliverables – Design & Build
- Production of System and Sub-System Detailed Design Specifications
- Implementation of NR GRIP Stages 3 – 8
- Production, review & implementation of Project Documentation
- Management of Installation & Construction activities, system Testing and Commissioning with a good working understanding of cross discipline delivery
- Integration and Requirements Management of Design, Construction, Test & Commission – multi-discipline, M&E, Civils, & Specialist Contractors.
- Production & Implementation of test plans and test strategies

Profile

Personal Information:

Home Location: Sunderland UK

DoB: 13th May 1966

Email: systemdesign@live.co.uk

Tel: +44 (0) 7710 778398

Languages: English

Expertise

- CEM Signalling ARS Delivery
- CEM SISS & multi-discipline
- CRE Design & Construction SISS
- CRE Design & Construction Op's Telecoms
- PICOT/TIC SISS, DOO & Ops
- Design Management
- Lead Project Engineer
- Requirements Management
- Integration Management – Design & Build – Multi-disciplines
- System Integration Design & Build
- Project Delivery M&E, Civils, multi-discipline
- Telecom/integration Construction & SCADA

Development

Recent Courses Passed:

- H & S Design Risk Management CSM & CDM (Gateway Training)
- CDM Regulations (HS Training)
- Risk Assessment (HS Training)
- RIDDOR (HS Training)
- COSHH (HS Training)
- GDPR (HS Training)
- CDM Regulations (iHasco)
- Risk Assessment (iHasco)

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- Compliance of current standards, e.g., Network Rail, LU & implementation of
- Development and enhancement of delivery procedures and processes
- Resource Competencies assessments, nomination, and management
- Engineering & scope change control and project monitoring

Previous Optilan Projects:

- Joint **CEM/CRE** Cross Rail – P2R Anglia Residual Station Works – SISS, & multi-discipline GRIP5-8 SISS 1, SISS 3 & Shenfield DOO
- Joint **CEM/CRE** Patchway Renewals Ops Cabling – Vodafone Infrastructure
- **CRE** Op's Comms – Bushy Signalling Scheme

Previous Optilan Projects:

- Joint **CEM/CRE** Northern SISS GRIP 2 – 4
- Joint **CEM/CRE** East Midlands Trains CCTV Renewals (21 Stations), multi-discipline integrated works, M&E, Civils etc.
- **CEM** Kent SISS Renewals – Telecoms, PA, CIS, Civils and Electrical
- **CEM/CRE** Cross Rail – P2R Anglia Residual Station Works – SISS, & multi-discipline Survey Works
- **CRE** Tyne Yard Depot – CCTV Perimeter Intruder Detection
- **CRE** Construction – Chipping Sodbury Flood Alleviation Scheme (Telecoms)
- Telecoms **CRE** Construction – **PICOT** - Lincoln Foot Bridge – CCTV (previous)
- Telecoms SISS & Ops **CRE** Design & Construction Edinburgh Waverley Enabling Works
- Telecoms SISS **CRE** Design & Construction Paddington Station Platform Alteration Works
- **PICOT** – Crossrail – Brentwood 'Turn Back' DOO (P) CCTV
- Telecoms Design & Construction **CRE** Chatham Stn AFA Op's Comms and SISS GRIP 3
- Lead PE Derby Renewals – SISS Construction, T & C
- Integration Manager – Bank LU Station New Bloomberg Entrance Build

Fone Alarm - July 2016 (contract) **PICOT** Abbey Wood Station DOO

Siemens – November 2014 to May 2016 (contract)

CRE for Design and Construction on the Retail Telecoms/Station Information and Security Systems (SISS) on the EGIP project, also **Integration Manager** for the Retail/SISS on the Borders Rail project, multi-discipline integrated works, M&E, Civils etc

- **CRE** – SISS on EGIP Project
- Integration/Delivery Manager – Borders Rail SISS (7 Stations)
- Ops Design - DOO (P) CCTV Rutherglen Turn Back
- Ops Design – DOO (P) CCTV Banbury CRT

Provision of Consultation Services (various companies) – December 2010 to November 2014 (contract)

NTTX/Serco - Integration Manager on the Tyne and Wear Metro, for completion works on 60 stations. Installation of validators, Ticket Vending Machines, ATG, CISCO network equipment, Test & Commission. **Carlisle Support Services/Northern Rail - Integration and Engineering Manager** – Station Information & Security Systems installations, design management and **PICOT** Test & Commissioning. Projects such

Eng Competencies

- CCTV Analogue & IP
- PA & PAVA
- CIS – Customer Information Systems
- DOO (P) CCTV
- ELV & SELV Supplies
- PHP – Passenger Help Point
- Cabling - Structural & Block
- Access Control & Biometrics
- Perimeter Intruder Detection
- Intruder Detection
- Automated Gates and Barriers
- ATM & Passenger Gated Systems
- Data Transmission
- Telephony/PABX
- Concentrators/Voice Recorders
- SPT/PTZ – Operational Coms
- Access Nodes/Comms Centres
- New Build & Re-furb fit out
- Building Services Integration
- Transmission/RLOS
- Management Systems

Work Courses

- PTS & ICI & LUL
- OLEC 1
- Optilan HSE Risk Assessment PoWRA
- HSE First Aid at Work Instructor Trainer
- CSCS MAP (PQP)

Professional Bodies

- MIET
- ITP
- Currently under-going CEng application.

“A clever person solves a problem. A wise person avoids it”.

Albert Einstein
(avoid problems – plan ahead)

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as: Manchester Victoria CCTV/CIS & CCTV renewals on TOC infrastructure. Linbrooke Services - Senior Design, [Project Engineer](#) - Station Information & Security Systems installations, delivery management and PICOT Test & Commissioning. Projects such as FGW DOO (P) CCTV, Cheadle Hulme SISS AFA.

THALES & Invensys – May 2008 to November 2010 (contract)

[Senior Systems Design Engineer](#) (THALES) – Aidrie to Bathgate Line (A2B), SISS & FTN. Leeds CIS renewals. Package Delivery Manager (Invensys) – Bathgate Depot SISS. Completion works following on from THALES.

Owen Williams Rail/Amey – October 2007 to March 2008 (contract)

[Design Manager](#) – Interim contract position, finalisation of Midlands Voice Recorder Renewals.

First Engineering – August 2001 to June 2007 (contract)

[Senior Design Engineer](#) – Various SISS, Operational Telecoms and FTN Projects, such as User Worked Crossing Telephones, Concentrator replacement, FTN migration, Power Rationalisation, Voice Recorders, LLPA etc.

Cable & Wireless – April 2000 to June 2001 (contract)

[Delivery Project Manager](#) – Access and TAN builds and refurbishment's around London, requirement management and integration control. Telecoms, Data, Civils, Electrical, BMS etc.

Marconi – October 1999 to March 2000 (contract)

[SCADA Integration Manager](#) – Jubilee Line Extension. Integration, Test & Commissioning of SCADA peripheral RTU system interfaces with, Lifts, Escalators, CCTV, Platform Edge Doors, Information Screens, BMS, Intruder and Access Control.

Quest Technical – April 1998 to August 1999 (contract)

[Delivery Project Manager](#) – Royal Opera House internal broadcast system, Deutsche Bank new build, Building Media systems

RACAL – November 1997 to April 1998 (contract)

[Design Engineer CCTV & Transmission](#)

GPT/SCS – November 1996 to September 1997 (contract)

[Installation Design & System Design](#)

Various Telecommunications and Security Installation Projects – November 1988 to November 1996 (contract)

[Installation/Maintenance Engineer/Installation Manager](#)

British Telecom – August 1987 to November 1988 (permanent)

[Installation Technician](#) – Business Installation fitter, PABX, Block and structural cabling. One-man installations – OHL

British Army – Royal Signals – June 1982 to August 1987 (permanent)

RTG & Radio Relay Systems Eng. Oct 89 – Aug 91 Instructor 32 Sig Reg

Other Courses

- Royal Signals – Army Apprentice College Harrogate & Trade Training Wing 8th Sig Reg Catterick – Radio Relay Systems Engineer
- Royal Signals Skills set
- Instructor – Radio Relay Operation (TA)
- City and Guilds 777 - English language and literature
- Firefighting and helicopter escapes - offshore survival
- Mass Transit Railway Corporation C.P. safety & operation course
- B.T. Telecom installation course Business
- B.T. Telecom safety course
- Business management course
- Emergency First Response First Aid Instructor & Instructor Trainer

Courses in Progress – CISCO CCNA & CCDA.

Personal Statement

A 'can do' attitude with a realistic pro-active approach to project implementation and delivery. From conception to completion.

"If you think it's expensive to hire a professional to do the job, wait until you hire an amateur".

Paul Neal – (Red Adair)
(right person for the right job)