

## **Profile and experience**



Julian Carter BEng (Hons) CEng FICE FIHE

### **Profile** (January 2018)

Julian Carter is a Fellow of the Institution of Civil Engineers UK, FICE and a Chartered Engineer, CEng. With over 25 years of experience across the sectors of Civil and Structural engineering, emergency management and education, Julian has directly influenced projects large and small, complex and simple in a variety of contexts both in the UK and Internationally. Julian has held credible senior positions and has acted as the diligent controlling mind. He has discharged both UK and International codes and standards. Julian has managed 'blue-chip' projects with values in the hundreds of millions of pounds and is likewise comfortable managing domestic clients, with project values in the hundreds of pounds. Julian is an accomplished competent Engineer; a capable and committed 'safe pair of hands' currently holding SC clearance.

### **Key Competencies**

#### **Nuclear Engineering** (Various projects multiple £M)

- Creation of Design Authority systems for Licensee organisations
- Support of Safety case and authoring of Safety Case documents
- Controlling Mind as Civil Structural Design Authority, DA
- SQEP to work independently
- Design of New Nuclear installations; UK and International Codes and Standards
- Forensic Assessment and reporting on UK Legacy facilities; decommissioning and refurbishment.
  - PILE 1, NEPTUNE
- Design and Consultancy support to UK and International facilities
- Competent Authority working effectively with UK Regulatory Authorities.
- External Hazards; seismic, flooding, man-made hazards.
- All UK technologies; UK EPR, UK AP1000, UK ABWR, UK HPR1000

#### **Bridge/Structures/Heavy Engineering**. (Various projects multiple £M)

- Design of notable structures; M6 Thelwall New Viaduct, Aire Valley Viaduct M1.
- Technical Consultancy support to The Highways Agency; £800M; Leeds region
- Bridge Design; DMRB and UK Codes and Standards
- Bridge Assessment; DMRB and UK Codes and Standards
- Structural Assessments
- Forensic investigation and Expert witness

#### **Infrastructure and Building**

- Designer of the award winning Barnsley Transport Interchange (supporting ARUP)
- Various small scheme design and build/refurbishment
- Controlling mind on drainage schemes involving EA Regulatory contact
- Consultant on road and highway design
- Management of External Hazards, foundation design

#### **Business Management**

- Management Systems development for UK Licensees.
- Development of Core capability for UK Design Authority Function
- Controller of technical management for UK Nuclear Licensees
- Development of business strategy and planning.

### Programme and Project Management

- Development of simplified methods for complex motorway bridge and structural works.
- Adept and managing multiple projects in a complex operational environment
- Development of key safety documents for safety management
- Safety Audits and reporting

### Education support

- Senior Lecturer, Civil engineering and Disaster Management, creation of foundation degree; ‘Emergency and Forensic Engineering’ ; Teesside University
- External Examiner, Disaster Management, Coventry University.
- Part-time Lecturer, Civil Engineering, Leeds Beckett University

### International assignments

- **Nuclear;** Lithuania (Ignalina), America (Westinghouse), Japan (Hitachi) , France (EDF), China (CGN; [Visa to Oct 2019](#))).
- **Consultancy** work in; Algeria, Bosnia Herzegovina, Serbia, Croatia, Sri Lanka, Iraq, Kuwait, Malawi, South Africa, Zimbabwe, Kenya, Tanzania
- Emergency and disaster engineering; UN and supporting Agents.

### Key Roles

- Technical Consultant -**Highways Agency.**
- Programme manager- **ATKINS- ‘Birmingham Box’-Motorway Viaduct Upgrades.**
- Head of Discipline- **UK Atomic Energy Authority Ltd; UK.**
- Head of Discipline- **Engineering Projects Limited; South Africa.**
- Head of Civil Engineering- **Hitachi/Horizon Nuclear Power; Gloucester.**
- Principal Engineer-**EDF Tours, International EPR France.**
- Specialist Inspector- **UK Office for Nuclear Regulation, ONR.**
- Head of Infrastructure Authority- **Rolls Royce Raynesway, Derby, UK**
- Consultant- **EAT Ltd.**

### Publications and CPD

- 2018 “Project Lifetime Planning”, TINCE, Paris
- 2006 “The Civil Engineer is the unheralded doctor of preventative medicine”; Tanzania.
- My CPD has been intense with internal courses provided by Rolls Royce and latterly, preparation for Lecturing at Leeds Beckett University as well as preparation for my paper.

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Reference requests to be sent to the following for processing by email only

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2; Office for Nuclear Regulation; [ONRenquiries@onr.gov.uk](mailto:ONRenquiries@onr.gov.uk)