

Julian Carter FICE TELEPHONE: **0780 181 3141**



www.by-julian.co Email hello@by-julian.com

My skill set and experience includes the high-level influencing of critical national infrastructure, UK Motorways and Highways, Nuclear Licensee organisations, expert application of Nuclear Engineering as a Specialist Inspector for the Office of Nuclear Regulation, ONR, Nuclear Engineering of New and legacy structures, Disaster Management and Emergency Planning, Forensic Engineering, Civil and Structural design, and Emergency Preparedness Engineering. This also includes the provision of expert witness services.

The breadth and depth of my experience to date, has equipped and prepared me to be the ‘Controlling Mind’ on complex projects. This now includes the provision of GDA Chapter 16 advice to CGN in China; October 2017 for the HRP-1000 build at Bradwell UK.

I also undertake independent Expert Witness Consultancy.

In January 2019, I returned to EAT Ltd to develop the business. (now ‘by-julian limited)

I am a rounded professional, “a safe pair of hands”.



**Julian Julian Carter is a Fellow of the
Institution of Civil Engineers**

Key Employment 1990-Present

Sept 2017 to Present **Director; By Julian Ltd (change from EAT Ltd); Consulting Engineer and Expert Witness. Critical Tripartite Review of Degree Apprentice progress and development for Leeds Beckett University**
Director; EAT Ltd; Consulting Engineer and Expert Witness.
Head of Civil Engineering; Thomason Consulting Engineers. I managed a team of Civil Engineers in Leeds, London and Guildford. **Principal Engineer; Hill Cannon Harrogate;** Developing the business management and improving management systems. Developing designs for multi-storey car parks and hotel developments in Manchester and the UK
Independent Consultancy Services. Provision of Expert safety advice to CGN China; for GDA UK HPR1000.

April 2015-August 2017 **Rolls Royce; Submarines Head of Infrastructure Design Authority;** delivering Technical and Regulatory Assurance across the RRMPOLE business at executive level and below. I acted as the Intelligent Customer controlling mind for all Civil, structural and Architectural requirements. My role was instrumental in the creation and implementation of a new Business Management System for Infrastructure and the implementation of transformational change in the development of Design Authority Capability within the RRMPOLE Business as a Programme Manager and SME. I influenced Safety Case including ONR interface communication.

April 2014 -March 2015 **Office for Nuclear Regulation, ONR, Specialist Inspector, Civil Engineering, New build reactor programme and Defence programme.** Operating independently with respect to legal aspects such as REPPPIR, IRRS, Health and Safety at Work Act, including The Energy Act and other Regulations and statutes. The development of the Westinghouse AP1000 Mooreside site was an interesting remediation project.

August 2011- Feb 2014

Hitachi/ Horizon Nuclear Power; Head Civil Engineering

Civil Engineering expert within Horizon's Engineering Directorate. I worked intimately with Hitachi Directorship/Engineers/Vendors and Regulator to develop quality assurance requirements for GDA compliance. I undertook business visits to Japan; chairing meetings between Hitachi and the UK Regulators, ONR; involving key Hitachi companies involved in the nuclear supply chain. I held seminars in Japan to assist Hitachi in understanding the UK Regulatory system. In 2011 I attended an Outage inspection ISAR2, Germany. I have gained technical working knowledge and experience of UK-BWR, AP-1000 and UK-EPR with the need to have gone beyond GDA. The total UK project value is in the order of £30bn.

April 2010-July 2011

EDF Energy /AMEC Principal Engineer Nuclear New Build. Seconded to Tours, France with **EDF**. Tier 1 Design support for Civil works for Sizewell and Hinckley New Nuclear Build; cooling water systems; feasibility and design studies for tunnelling works. Within **EDF International** EPR Team; requirements for Civil/Structural design, beyond the French ETC-C Code.

Sept 2008- Jan 2010

UKAEA Ltd. Discipline Lead Civil and Structural Engineering.

I directly Led and Managed all technical and professional aspects of Civil and Structural Engineering through the group in both UK and Europe (Lithuania; Ignalina NPP) with support from my Director. I directly led the technical challenge of the decommissioning of Winscale Pile 1. The value of Pile 1 Decommissioning was in the order of £25M.

Aug 2007- Feb 2008

E+PC, Engineering and Projects Company; South Africa; I managed the Civil and Structural engineering group for the company under the supervision of the Engineering Manager.

Mar 2005 – July 2007

Teesside University; Senior Lecturer; Civil Engineering and Disaster management; Years I/II/III/IV supported. I developed a Degree Course; Emergency and Forensic Engineering; a course designed to enable Engineering focussed post-accident investigation reports.

Jul 1998 to July 2007

CERAD Ltd; Director

Working as a Consultant to the Highways Agency I provided Technical Governance to over £900M of the A1-M1 upgrade works. This involved the management of Structures Option reports and the formulation of Assurance reviews of 'Approvals In Principle, AIP' documents for all Structures; both road and Rail. With a maximum value of approximately £3M, projects were delivered by myself, or, on larger projects I engaged the services of others, enabling them to work with me. I also provide the Controlling mind in complex engineering projects that are delivered in a Formally Regulated environment. My accountability as a Consultant to UK clients has been for the technical delivery of road and rail infrastructure, design and Assessment.

Feb 1996 to Jun1998

Babtie Group, WAKEFIELD, Engineer M1 A1 Link Design works.

(Early Career 1990 to 1996)

Sept. 1994 to Feb. 1996

Frank Graham Consultants, Engineer; WAKEFIELD;

Nov. 1993 to Sept. 1994

Gibson Brothers, Senior Site Engineer CONTRACTORS; NORTHERN IRELAND, Site Engineer Newry Bypass.

Sept. to Oct. 1993

Hwange, Zimbabwe, Town Engineer, Voluntary Service Overseas, VSO

June 1990 to Aug. 1993

Pell Frischmann, Graduate Engineer WAKEFIELD

JULIAN PAUL CARTER. BEng (Hons) CEng FICE

Emergency Engineering: I have noted relevant key Emergency Preparedness and response activities relating to my emergency work, both UK and Internationally.

UK, Zimbabwe, Algeria, Kenya, Bosnia, Iraq, Sri Lanka, Malawi, Kenya and South Africa.

- Previously a member of the UK Stabilisation Unit as a Civilian Expert for disaster response and recovery; this is a partnership of the UK Foreign Office, the MOD and the Department for International Development. In addition to this, I have spent a short period in the Territorial Army Royal Engineers that gave me great knowledge and understanding of military response and structures. The Stabilisation Unit organisation exists to provide the UK Government with a civilian humanitarian perspective in its joint services response to facilitating disaster recovery.
- After the events of 9/11 I worked directly with the UK Fire Service, Office of the Deputy Prime Minister, to develop a response organisation to support the UK fire service to respond to terrorist events; ODPM Neil Newbery.
- I have worked in key coordinator roles in disaster management and recovery for the United Nations and also as a Civilian Military liaison officer.
- I have provided the UNHCR with senior project coordination; this has involved the development 'from scratch' of regional disaster response plans where I coordinated input from governmental organisations, international non-governmental organisations and local government.
- I have taught and trained at numerous disaster management and response events including use of the Fire Service Training college at Moreton In Marsh as well as delivering my own training courses.

Key Accomplishments

- 2018 Paper : Project Lifetime Planning. Technical Innovations in Nuclear Civil Engineering, TINCE Paris September 2019
- 2017 Fellow of the Institute of Highway Engineers, FIHE, and member of the national Academic Standards Panel, ASP (not used)
- 2017 University South Wales UK; External Validation of MSC course.
- 2013 FICE, Fellow of the Institution of Civil Engineers UK
- 2012 External Examiner, Coventry University, School of Disaster Management.
- 2010 Member of Stabilisation Unit, Deployable Civilian Expert, DCE
- 2010 Independent Member British Expertise
- 2007 Appointed Chief Executive Officer; Register of Engineers for Disaster Relief Southern Africa; REDR SA
- 2006 Paper "The Civil Engineer is the unheralded doctor of preventative medicine", Institution of Engineers Tanzania, Arusha.
- 2005 Member of the Association for Consultancy and Engineering
- 2000 Member of The British Consultants Bureau (now British Expertise)
- 1998 ICE James Rennie Medal nominée.
- 1998 Chartered Engineer and Member of The Institution of Civil Engineers, UK.
- 1998 Affiliate member of the Institution of Occupational Safety and Health
- 1996 Member of the Concrete Society
- 1991 Member of the Register Of Engineers for Disaster Relief, REDR UK
- 1990 BEng (Hons) Civil Engineering

ADDITIONAL INFORMATION

Full 'clean' car licence

Security Cleared; SC (lapsed Oct 2019)

October 2021; A Co-Opted Scrutiny Office for Wakefield Metropolitan District Council.

PUBLICATIONS

- 2018, "Project Lifetime Planning", : TINCE, Paris
- 2006 "The Civil Engineer is the unheralded doctor of preventative medicine"; Tanzania.

Julian Carter; November 2023 References are available upon request