

Family Name: Crouch
First Names: Robin John
Date of Birth: 11.06.1942
Nationality: British / German

Education:

| <i>Institution</i> | <i>Degree(s) or Diploma(s) obtained</i> |
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| University of Nottingham, UK, 1963 | B.Sc. in Civil Engineering |
| Institution of Civil Engineers, UK, 1971 | Chartered Engineer, C.Eng. |

Language skills (Mark 1 to 5 for competence) NB: 1 = excellent, 5 = basic

| <i>Language</i> | <i>Reading</i> | <i>Speaking</i> | <i>Writing</i> |
|-----------------|----------------|-----------------|----------------|
| English | mother tongue | | |
| German | 1 | 1 | 1 |
| French | 2 | 3 | 3 |

Membership of professional bodies: Member of Institution of Civil Engineers (MICE), United Kingdom; Member of Chartered Institution of Highways & Transportation (MCiHT), United Kingdom; Member, FIDIC Sustainable Development Committee; Former Chair, FIDIC Conference Committee; Former Member VBI Overseas Committee, Germany

Other skills (e.g. Computer literacy, etc.) Fully computer literate

Key qualifications: Robin Crouch is a Chartered Engineer with some 50 years of professional experience in civil engineering and TA projects world-wide. He joined DIWI Consult in 1971 and from 1989 to 2010 was responsible Director for DIWI's International Operations, dealing with feasibility studies, design and tender documents and construction supervision. He has in-depth knowledge of FIDIC Conditions of Contract and has carried out the duties of "The Engineer" and Project Director for numerous donor-funded projects worldwide including several KfW-funded projects. He also has experience of FIDIC's DAB procedures and has participated in DAB sessions. He was a Mentor on FIDIC's Young Professionals Management Training Programme from 2011-2019 with special responsibility for Sustainable Development. He organised FIDIC's participation in the UNFCCC's COP23 in Bonn in November 2017. He is co-director of the new FIDIC Future Leaders Certificate (FLMC) programme. Since 2010 he has been a Partner in Design Firm Seminars (DFS).

Professional experience (selection):

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| Date: | 2010 – present |
| Position: | Consultant Engineer, Essen, Germany |
| Description: | Freelance Consultant for project management, backstopping and co-ordination. Advisor/Trainer on administration of FIDIC Contracts and sustainable development. Partner in Design Firm Seminars (DFS) |

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| Date: | 2019 - present |
| Location: | Germany |
| Company: | FIDIC, Switzerland |
| Position: | Co-Director & Trainer, Future Leaders Management Certificate Programme (FLMC) |
| Description: | One of two mentors responsible for advising participants in FIDIC's Annual YPMTMP with special responsibility for Sustainable Development. The YPMTMP starts each year in February and is an internet based intensive management training programme based on case studies and discussions of management issues within an international team of participants and mentors. The programme provides international networking and active participation in the annual FIDIC conference meeting key representatives of the world wide consulting industry. |

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| Date: | 2011 - 2019 |
| Location: | Germany |
| Company: | FIDIC, Switzerland |
| Position: | Mentor, Young Professionals Management Training Programme (YPMTMP) |
| Description: | One of three mentors responsible for advising participants in FIDIC's Annual YPMTMP with special responsibility for Sustainable Development. The YPMTMP starts each year in February and is an internet based intensive management training programme based on case studies and discussions of management issues within an international team of participants and mentors. The programme provides international networking and active participation in the annual FIDIC conference meeting key representatives of the world wide consulting industry. |

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| Date: | 2017 - 2018 |
| Location: | Germany |
| Company: | Sweco, Germany |
| Position: | Team Leader / Tender Document Expert |
| Description: | Preparation of Standard Bidding Documents for the KfW based on FIDIC's Conditions of Contract. |
| Date: | 2015 |
| Location: | Germany |
| Company: | DFS, Canada & Europe |
| Position: | Partner |
| Description: | Preparation, coordination and moderation of a FIDIC internet-based series on Sustainability and the Built Environment. The series consisted of four webinars on various sustainability issues. |

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| Date: | 2014 - present |
| Location: | Germany |
| Company: | DFS, Canada & Europe |
| Position: | Partner |
| Description: | <p>DFS, Design Firm Seminars, provides practical, proven business training for consulting engineering firms and their teams. DFS offers a wide range of interactive seminars on business topics including business planning, management, marketing and human resources management.</p> <p>DFS partners each have over 30 years of experience in North America and internationally, in firms large and small, offices in urban and rural locations, and operations overseas. DFS training is flexible and can be designed for an industry gathering (for example: an ACEC or FIDIC seminar) or an individual firm.</p> |

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| Date: | 2014 |
| Location: | Germany |
| Company: | FIDIC, Switzerland |
| Position: | Editor |
| Description: | Member of FIDIC team for revision of FIDIC's Guide to Practice 2015 Edition with special responsibility for Sustainable Development |

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| Date: | 2011 - 2013 |
| Location: | Afghanistan |
| Company: | Grontmij GmbH, Germany |
| Position: | Project Director |
| Description: | <p>Khulm – Kunduz Highway (97 km), KfW financing</p> <p>Design & Construction Supervision of Phases 1 and 2</p> <p>Preparation of Design and Tender Documents including Contract Documents based on FIDIC Pink Book MDB Harmonised Edition 2010</p> |

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| Date: | 2011 |
| Location: | Romania |
| Company: | Ramboll, Denmark |
| Position: | Trainer |
| Description: | Training Programme consisting of three 2-day sessions on FIDIC Contracts for staff of OMV Petrom, Waste Infrastructure Project, Romania, 2011 |

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| Date: | 2010 - 2015 |
| Location: | Romania |
| Company: | Ramboll, Denmark |
| Position: | The Engineer |
| Description: | <p>Drobeta-Turnu Highway Project (Employer: RNCMNR)</p> <p>Rehabilitation of a 160 Km. length of DN6 National Highway in Caran-Severin Province, Romania. FIDIC Red Book Conditions of Contract. Responsible for determinations under FIDIC, analysis of claims and provision of advice to Employer on contractual matters. Project funded by the EU. Participation in DAB sessions. Project value: ca. Euro 200 million</p> |

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| Date: | 1989 – 2010 |
| Location: | Various, details as below |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Director - International Operations |
| Description: | Responsible for all company overseas activities including backstopping, project management and co-ordination. Provision of technical and logistical support to field staff on overseas projects. Expert input on FIDIC Conditions of Contract. |

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| Date: | 1998 – 2010 |
| Location: | Germany/Albania |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | Tirana Airport Project (FIDIC Conditions of Contract for Plant and Design-Build) for rehabilitation and new construction of facilities of Tirana International Airport. Project value: Euro 50+ million |

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| Date: | 2006 – 2010 |
| Location: | Romania |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | Drobeta-Turnu Highway Project (Employer: RNCMNR) Rehabilitation of a 160 Km. length of DN6 National Highway in Caran-Severin Province, Romania. FIDIC Red Book Conditions of Contract. Responsible for determinations under FIDIC, analysis of claims and provision of advice to Employer on contractual matters. Project funded by the EU. Preparation of Employer's cases for DAB Referrals. Project value: ca. Euro 200 million |

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| Date: | 2005 – 2010 |
| Location: | Germany /Slovakia |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | Supervision of Civil Works D1 Svinia – Presov The project concerns some 7km 2 x divided lane motorway with junction to 1/18 road and the interchange Presov-West. Project in accordance with FIDIC Conditions of Contract. Financed by EIB. |

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| Date: | 2004 - 2009 |
| Location: | Germany /Bulgaria |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany (in Joint Venture with DAHLEM, Essen, Germany) |
| Position: | Project Coordinator |
| Description: | Maritza River Basin Wastewater Project (Employer: MRDPW) – 2 waste water treatment plants in Stara Zagora and Dimitrovgrad in accordance with FIDIC Yellow Book Conditions of Contract. Financed by EU-PHARE. |

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| Date: | 2007 - 2010 |
| Location: | Germany /Jordan |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | Design and Supervision of Basic Schools Phase II, KfW funded This KfW-funded project concerns the construction of some 12 No. new basic schools with approx. 10-24 classrooms each and all associated infrastructure. |

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| Date: | 2003 - 2007 |
| Location: | Germany /Bulgaria |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | Access Road Podkova-Makaza to new Border Crossing between Greece and Bulgaria (Makaza-Nimfea), 20 km Construction of a new road including intersections, structures, utility diversions and reconstruction of electric power lines along the alignment. Project in accordance with FIDIC Conditions of Contract. Financed by EU-PHARE. |

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| Date: | 2002 – 2007 |
| Location: | Germany /Estonia |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | Tallinn Waste Management Project Phase I & II, EU-Phare, project under FIDIC |

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| Date: | 1994 – 2009 |
| Location: | Germany/Ethiopia |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | <ul style="list-style-type: none"> • EU project Addis Ababa–Jima Road, construction supervision. • IDA project Mille-Assab Road Rehabilitation. • Debre Markos-Gonder Road. All projects under FIDIC. |

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| Date: | 1998 – 2006 |
| Location: | Germany/Macedonia |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | <ul style="list-style-type: none"> • IDA project Border Crossing Facilities at Tabanovce, Deve Bair and Kafasan TTFSE Project; • EU-Phare project E 75 Motorway Negotino - Demir Kapija - 7 km, Phase 1; • EU-Phare project Upgrading of Gevgelia - Greek Border of E75 and modernisation of crossing posts at Medzlitia and Bogorodica. • Corridor 8 Stracin - Strezovce Motorway and Catal Interchange (local funding) <p>All projects under FIDIC.</p> |

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| Date: | 1998 – 2006 |
| Location: | Albania |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | <p>Backstopping and co-ordination of the following projects (in association with GICO):</p> <ul style="list-style-type: none"> • EU PHARE project East - West Corridor Rrogozhine to Elbasan Highway 36 km • EU PHARE project North - South Corridor Rrogozhine - Lushnje and Kakava - Girokaster Roads • EBRD project Elbasan - Librazhd Road Rehabilitation 30 km • IDA Rural Roads Project - 850 km |

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| Date: | 1997 – 2005 |
| Location: | Germany/Malawi |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Co-ordinator |
| Description: | KfW project Malawi Road Maintenance & Bridge Rehabilitation Programme: TA for 400 km rural roads and 300 bridges. |

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| Date: | 2000 – 2004 |
| Location: | Germany/Kosovo |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | <ul style="list-style-type: none"> • KfW funded Rehabilitation of Roads in Kosovo • GTZ project Rehabilitation of Infrastructure for the Military Camp of the Bundeswehr in Prizren. • GTZ project Reorganisation of the Road Sector: establishment of an efficient road management organisation. |

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| Date: | 1999 - 2004 |
| Location: | Palestine / Gaza |
| Company: | DIWI Consult International GmbH |
| Position: | Project Co-ordinator |
| Description: | <p>The Sheikh Zayed Township Project - Design and Construction Phase</p> <p>Development and construction of 320,000 m² site located at Izbat Almaslakh, Bit Lahia in Gaza. Residential land use involves some 3,600 apartment housing units with a combination of 5 and 12 storey buildings. The project included the review of approved master plan study, preparation of detailed design, tender documents, and pre-qualification of contractors and the supervision of construction.</p> |

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| Date: | 1991 – 2004 |
| Location: | Germany/Tanzania |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Co-ordinator |
| Description: | <p>EU project Makukuni – Ngorongoro Road 100 km and Namanga – Arusha Road 109 km. EU project Ruvuma & Southern Iringa Road Maintenance Project, 2,700 km (FIDIC). IDA project Singida – Babati Road, 162 km (FIDIC). EU project Rehabilitation of the Runway at Mwanza Airport (FIDIC). GTZ projects Kilimanjaro and Arusha Road Maintenance.</p> |

CROUCH, R.J.

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| Date: | 1996 - 1999 |
| Location: | Germany / Palestine Territories, Gaza and West Bank |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Co-ordinator |
| Description: | KfW Funded Rehabilitation and Extension of Schools and Kindergartens Phases I – III. Design and construction supervision of some 60 no. schools and kindergartens |

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| Date: | 1993 – 1994 |
| Location: | Germany/Sierra Leone |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Director |
| Description: | IDA project Feeder Roads Rehabilitation: design & preparation of contract documents for 539 km feeder roads (FIDIC). |

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| Date: | 1990 - 1994 |
| Location: | Germany/The Gambia |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Co-ordinator |
| Description: | EU project Upper River Development Programme and Division Development Programme: co-ordination of team responsible for force account construction of the road construction components of the above mentioned programmes. |

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| Date: | 1989 - 95 |
| Location: | Germany/Lesotho |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Co-ordinator |
| Description: | Construction supervision and management of EU funded Oxbow - Mokhotlong Road and Mekaling - Quthing Roads (FIDIC). |

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| Date: | 1988 - 1992 |
| Location: | Germany/Yemen |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Co-ordinator |
| Description: | KfW projects Ibb-Ba'Adan Road and Shibam-Al Mahweet Road: engineering and technical investigations, condition analysis, field investigations, EIA and economical feasibility for 17.5 km road through difficult mountainous terrain. |

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| Date: | 1971 – 1991 |
| Location: | numerous countries in the Middle East, Africa and Asia |
| Company: | DIWI CONSULT INTERNATIONAL GMBH, Essen, Germany |
| Position: | Project Co-ordinator / Project Engineer / Resident Engineer |
| Description: | Backstopping, management and co-ordination for roads and infrastructure projects. Also construction supervision, study and design for various schemes. Projects comprised Basrah International Airport (Iraq) and the Riyadh Housing Project in Saudi Arabia. Many of these projects have been under FIDIC Conditions of Contract. |

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| Date: | 1968 - 1971 |
| Location: | United Kingdom |
| Company: | COSTAIN CIVIL ENGINEERING LTD, UK |
| Position: | Section Engineer / Senior Planning Engineer |
| Description: | Construction management of airport, roads and infrastructure projects |

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| Date: | 1963 - 1968 |
| Location: | United Kingdom |
| Company: | LONDON TRANSPORT BOARD, UK |
| Position: | Civil Engineer |
| Description: | Study, design and supervision for tunnels, bridges and new works |