

22. Competency

Competent Person	Company	Chapters	Area of Expertise	Qualifications	Summary of Professional Expertise
Suzanne McClure	Brock McClure Planning Consultants	<p>Non-Technical Summary (with others)</p> <p>1 - Introduction</p> <p>2 - Site Context</p> <p>3 - Description of Development</p> <p>4 - Consideration of Alternatives</p> <p>5 - Population and Human Health</p> <p>19 - Risk of Major Accidents and Disasters</p> <p>20 - Interactions of the Foregoing</p> <p>21 - Summary of Mitigation Measures</p> <p>22- Competency</p>	Planning	BSocSC, MRUP MIPI MRTPI	<p>Suzanne is a founding partner of Brock McClure Consultants. With over 15 years planning experience in both the public and private sector, Suzanne has worked on a wide range of projects spanning across both statutory and strategic planning fields.</p> <p>Suzanne began her career in Local Government before moving to a Town Planning Consultancy in 2003. Suzanne's varied background allows her to bring commercial acumen and practical advice to all facets of the planning and development process.</p> <p>Suzanne has extensive experience in leading multi-disciplinary teams in the preparation of planning applications for large scale developments. She also has significant experience in the preparation of Environmental Impact Statements.</p> <p>Suzanne is a Corporate Member of the Irish Planning Institute and Royal Town Planning Institute.</p>
Derek Murphy	O'Mahony Pike Architects	4 - Consideration of Alternatives	Design Architects	A Hons, Dip. Arch, BEAM Pro) (MRIAI, RIBA, HKIA Assoc.)	Derek is the Associate Director of O'Mahony Pike Architects. He is also a member of the Royal Institute Architects Ireland and has 23 No. years post-qualification experience.

Environmental Impact Assessment Report - Lands at St. Joseph's House, Brewery Road and Properties at Leopardstown Road, Dublin 18

Brian Keeley Donna Mullen Goska Wilkowska	Wildlife Surveys Ireland	6 – Biodiversity	Wildlife Surveys and Ecological Consultant	B.Sc. (Hons) MPPM M.Sc.	Fauna surveys and Biodiversity enhancement
John Considine Paul Stephenson	Barrett Mahony Consulting Engineers	7 - Land and Soils 8 - Water 14 Material Assets - Utilities	Civil & Structural Engineers	BEng MIEI MIStructE CEng FConsEI BEng, MIEI, CEng	John Considine has 33 years' experience in civil & structural engineering, including the preparation of EIAR chapters. Paul Stephenson has Linda13 years' experience in civil & structural engineering, including the preparation of EIAR chapters.
Dr. Stephen Smyth	AWN Consulting Ltd.	9 - Noise and Vibration	Noise and Vibration	BAI, PhD Mechanical & Manufacturing Engineering - Trinity College Dublin	Dr Stephen Smyth (Principal Acoustic Consultant) holds a BAI and a PhD in Mechanical Engineering from TCD and is a member of both Engineers Ireland and the Institute of Acoustics. Stephen has worked in the field of acoustics since 2003 gaining experience in both environmental and architectural acoustics. He has been involved in the implementation of the European Noise Directive in both the Republic of Ireland and Northern Ireland. He has completed environmental noise studies for several national road schemes in Ireland including, the M7/M8 Portlaoise to Castletown/Cullahill, M7 Castletown to Nenagh, Dunkettle Interchange Improvement and the N5 Westport to Turlough schemes.
Jack Killeen				BAI, Mechanical & Manufacturing Engineering - Trinity College Dublin	Jack Killeen is a survey technician with AWN and holds a BA BAI in Mechanical Engineering from Trinity College Dublin. Jack is suitable qualified and trained to undertake baseline noise surveys.

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Ciara Nolan		10 - Air Quality and Climate	Air Quality and Climate	BSc (Hons), MSc (Hons)	<p>Ciara Nolan is an Environmental Consultant in the Air Quality section of AWN Consulting. She holds a BSc in Energy Systems Engineering from University College Dublin and has also completed an MSc in Applied Environmental Science at UCD. She is an Associate Member of the Institute of Air Quality Management (AMIAQM) and the Institute of Environmental Science (AMIEEnvSc). She specialises in the fields of ambient air monitoring, indoor air monitoring, EIA and air dispersion modelling. She has been active in the field of air quality for over 4 years, with a primary focus on consultancy.</p>
Chonaill Bradley		15 – Material Assets – Waste Management	Waste Management	BEnvSc	<p>Chonaill Bradley, BSc (Environmental Science) is an Associate Member of the Institute of Waste Management (AssocCIWM). He is a Senior Environmental Consultant in AWN and has over 7 years' experience in environmental consultancy experience in Waste Management and Environmental Impact Assessment. He has helped coordinated and prepare specialist inputs including the Waste Management Chapters, Operational and C&D Waste Management Plans for numerous EIS/EIA/EIAR's</p>
Cristina Paduano				<p>PhD Mech. Eng, MSc. Aerospace Engineering- (CFD Modelling Specialist) Chartered Engineer (CEng) MIEI</p>	<p>Cristina is an experienced CFD Specialist (Computational Fluid Dynamics) with a demonstrated history of up to 14 years of working in the design and civil engineering industry to assess fluid flows through numerical techniques. Cristina has carried out various wind modelling assessment for buildings complex in Ireland, UK and the Middle East such as Spencer Place, Elephant Park, Apollo and Hawkins House, Dublin Airport Wind Barriers, Qatar Stadium and for a series of tall buildings in Dubai.</p> <p>Her experience in aerodynamics and flows assessment in and around buildings has been gained through her Master's degree in Aerospace Engineering and through</p>

	BFluid	11 - Wind and Microclimate	Wind and Microclimate	<p>her PhD in Mechanical engineering in airflows-structure interactions. Both the Master and the PhD were based on numerical modelling of aerodynamics phenomena through CFD analysis.</p> <p>Cristina collaborates also in Academic researchers in the field of numerical modelling of fluid dynamic problems within the Fluid Structures Vibrations and Aero-acoustic Laboratory at TCD. She has been presenting flow analysis and related numerical studies at international conferences such as FIV, and AIAA. At B-Fluid she manages a team of aerodynamics engineers which combine numerical modelling with wind tunnel and airflow testing for applications related to the built environment sector.</p>
Patrick Okolo			<p>PhD Aeroacoustics. Eng, MEng. Mechanical Engineering-(CFD Modelling Specialist) Chartered Engineer (CEng) MIEI</p>	<p>Patrick is an experienced Computational Fluid Dynamics (CFD) expert who specializes in CFD applications and designs for Aerospace Industries, Urban Environments, Construction Industries, Automotive Industries, Marine Industries and Biomedical Industries.</p> <p>With 10 years of applying CFD towards solving complex fluid-based phenomenon's, Patrick has acquired highly competent skills in CFD based problem solving of flows within a wide range of industrial applications and has carried out wind microclimate assessment of numerous buildings and developments in Ireland, UK and the Middle East.</p> <p>Patrick constantly carries out research collaborations with TCD and University of Défense Technology China on novel based CFD techniques for complex, multiphase and turbulent flow applications.</p>
Arman Safdari			<p>PhD Mech. Eng, MSc. Mechanical Engineering-</p>	<p>Arman is an experienced CFD Aerodynamics Engineer. His area of expertise includes aerodynamics, fluid dynamics, vibrations, and heat transfer. Arman has</p>

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				(CFD Modelling Specialist) MIEI	carried out various wind modelling assessment for buildings complex in Ireland, UK, and the Middle East. His skills include coding proficiency (e.g. C++, Python, Shell, MATLAB), numerical modelling, CFD modelling, and experimental analysis, such as signal processing and wind tunnel measurement techniques. He has a PhD in mechanical engineering, during which he has collaborated in various wind assessments, especially related to aircrafts and airports surrounding areas. Arman has carried out some complex multiphase modelling at the University of Limerick. Arman collaborates also in Academic researchers in the field of numerical modelling of fluid dynamic problems within the Dept. Of Mechanical Eng. Of Limerick University and has presented his research outcomes to international conferences.
Richard Butler	Modelworks	12 - Landscape and Visual Impact Assessment	Landscape and Visual Impact Assessment and production of Verified Photomontages	BL Arch (Landscape Architecture), MSc (Spatial Planning)	Richard has degrees in Landscape Architecture and Town Planning, is a member of the Irish Landscape Institute and the Irish Planning Institute and has over 20 years' experience in development and environmental planning, specialising in Landscape and Visual Impact Assessment.
Christy O'Sullivan	ILTP Consulting	13 – Material Assets Traffic and Transport	Land use and Transport Planning Consultant	BEng. Chartered Engineer (CEng) MIEI FCHIT	Christy O'Sullivan is the Managing Director of ILTP and has 30+ years of experience in traffic and transport engineering and planning.
Ben Waite				BA (Geography) MSc. (GIS) MCHIT	Ben Waite is a Senior Transport Analyst with over 12 years' experience in traffic and transport design, analysis and planning.
James Hession	Rubicon Heritage	16 – Archaeological and Cultural Heritage	Archaeological and Cultural Heritage	BA, MA, MIAI	James joined Rubicon Heritage Services in 2009 and is the Field Services Manager for all projects undertaken throughout Leinster and Ulster. He has over 18 year's expertise in commercial archaeology and is one of

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					Rubicon's most experienced managers. As one of the Company's Senior Archaeologists he has managed a wide variety of projects ranging from multiperiod rural and urban excavations to large infrastructural projects
James Slattery	David Slattery Conservation Architects Ltd.	17 –Architectural – Built Heritage	Architectural and Built Environment	BArch Dip ABRCons MRIAI	James Slattery, MRIAI, is a Principal at David Slattery Conservation Architects Ltd. Relevant experience includes the preparation of the Built Heritage Chapter within an EIAR for the former Bailey Gibson Site, South Circular Road; the Dart Underground Project; the Luas Line Extension; the ESB Headquarters on Fitzwilliam Street; Heuston South Quarter; the redevelopment of the Boland's Quay sit;, and the redevelopment of the RTE Campus. Ongoing projects on similar SHD developments include the former Player Wills site on the South Circular Road, the redevelopment of the Holy Cross College lands at Clonliffe Road, Dublin 3, the development of the Kenelm SHD at Howth Road, and the redevelopment of the former Tedcastles Site, Dun Laoghaire.
Amy Hastings	ARC Architectural Consultants	18– Daylight and Sunlight	Architectural Consultants	BCL BL MSc. (Spatial Planning) MIPI	Amy Hastings has worked as a partner in ARC Consultants since 2004. She is qualified as a planner and a barrister and has worked as a planning consultant in private practice since 2002. Her role in ARC is the provision of environmental assessment services, planning services and planning legal services. Since 2004, Amy has undertaken hundreds of assessments of sunlight and daylight access, as part of planning applications, planning enforcement matters and rights to light cases. She conducted research into the relationship between rights to light law and the origins of modern town planning while undertaking a Masters

Environmental Impact Assessment Report - Lands at St. Joseph's House, Brewery Road and Properties at Leopardstown Road, Dublin 18

					<p>in Spatial Planning at the Dublin Institute of Technology. Relevant publications include an article entitled 'Rights to Light Law and the Potential for Use of its Principles in the Assessment of Planning Applications under the Planning and Development Act 2000, as amended' as published in the Irish Planning and Environment Law Journal [(2011) 18(2) IPELJ 74]. She has also delivered continuous professional development lectures on the subject of sunlight and daylight access analysis to planning professionals and was an occasional lecturer on the subject of sunlight and daylight access analysis to the UCD School of Architecture, Planning and Environmental Policy.</p>
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