



# Infrastructure SCIENCE

Project Managers, Contractors, Consultants, Engineering Firms, Financiers, Investors



bre		STAGES 0-1	STAGES 2-4	STAGES 5-6	STAGE 7	
bre		Strategic definition, preparation & brief	Concept, spatial coordination & technical design	Manufacturing & construction, handover	In use	Refurbishment/repurpose*
STRATEGIC ADVISORY	Development of sustainability strategy, net zero carbon, design and resource use, innovation and brokerage adoption	<input checked="" type="checkbox"/> Create KPIs for productivity, circular economy, low carbon materials, innovation adoption	<input checked="" type="checkbox"/> Strategies for improving health and wellbeing of users, incorporating circularity and adopting innovation	<input checked="" type="checkbox"/> CaliBRE - Construction productivity measurement tool	<input checked="" type="checkbox"/> Capture of user data bespoke to the infrastructure project to identify operational improvement	<input checked="" type="checkbox"/> Strategies for reuse and circularity to avoid waste
CEEQUAL	ESG/sustainability performance system for infrastructure	<input checked="" type="checkbox"/> CEEQUAL Projects	<input checked="" type="checkbox"/> CEEQUAL Projects	<input checked="" type="checkbox"/> CEEQUAL Projects		<input checked="" type="checkbox"/> CEEQUAL Projects
SABRE	Security assessment and certification for buildings & built infrastructure assets	<input checked="" type="checkbox"/> Pre-assessment	<input checked="" type="checkbox"/> Design stage assessment	<input checked="" type="checkbox"/> Post-construction stage assessment	<input checked="" type="checkbox"/> In-use pre-assessment & certification; Online	<input checked="" type="checkbox"/> New construction; In-use certification
CONSTRUCTION TESTING	Testing of assemblies /sub-assemblies, systems, buildings, and materials to inform design, enable value engineering approaches and provide evidence of product performance	<input checked="" type="checkbox"/> Testing strategies; structures, acoustics, weathertightness, strength, robustness and material properties	<input checked="" type="checkbox"/> Full scale structural testing: Static and dynamic loading, acoustic, airtightness and weather tightness, strength, robustness and durability testing  Small scale testing: concrete, slate, stone and membranes	<input checked="" type="checkbox"/> Full scale structural testing: Static and dynamic loading Acoustic testing of sound insulation and sound power level. Airtightness and weather tightness testing Strength, robustness and durability testing  Small scale testing: Concrete, slate, stone and membranes	<input checked="" type="checkbox"/> Testing for buildings: static and dynamic structural, Acoustics, airtightness and weather tightness testing  Remediation strategies: testing and analysis of materials recovered from buildings	<input checked="" type="checkbox"/> Full range of on-site testing and investigation to inform refurbishment design including; structures, acoustics, weathertightness, strength, robustness and material properties
RESPONSIBLE CONSTRUCTION PRACTICES	Standards & certification for responsible construction practices	<input checked="" type="checkbox"/> BES6002- Ethical labour sourcing standard	<input checked="" type="checkbox"/> BES6001- Responsible sourcing standard  BES6002- Ethical labour sourcing standard	<input checked="" type="checkbox"/> BES6001- Responsible sourcing standard  BES6002- Ethical labour sourcing standard	<input checked="" type="checkbox"/> BES6002- Ethical labour sourcing standard  BS EN ISO 14001:2015 Environmental management system certification  Occupational Health & Safety BS EN ISO 45001 certification	<input checked="" type="checkbox"/> BES6002- Ethical labour sourcing standard
SMARTSITE	Environmental/H&S site monitoring reporting software			<input checked="" type="checkbox"/> SMARTWASTE YellowJacket	<input checked="" type="checkbox"/> SMARTWASTE YellowJacket	<input checked="" type="checkbox"/> Carbon / lifecycle analysis
FIRE & SECURITY	Fire & security specification, verification, certification & risk assessment	<input checked="" type="checkbox"/> Specification of security services & products	<input checked="" type="checkbox"/> Specification of security services & products	<input checked="" type="checkbox"/> Verification of security services & products	<input checked="" type="checkbox"/> Assessment services BS EN ISO 9001:2015 quality management system  Passive fire LPS 1500, LPS 1531, LPS 1197, LPS 1271 & LPS 2084  Active installers LPS 1048, LPS 1301, LPS 1204, LPS 1014	
			<input checked="" type="checkbox"/> Fire resistance services	<input checked="" type="checkbox"/> Fire consultancy & risk assessment	<input checked="" type="checkbox"/> Fire risk assessment	<input checked="" type="checkbox"/> Fire resistance services
			<input checked="" type="checkbox"/> Structural & durability testing	<input checked="" type="checkbox"/> Structural defect failure investigation		
BIM	Building information modelling for businesses	<input checked="" type="checkbox"/> BRE global BIM ISO 19650-2 for organisations undertaking information management in the delivery phase	<input checked="" type="checkbox"/> BRE global BIM ISO 19650-2	<input checked="" type="checkbox"/> BRE global BIM ISO 19650-2		<input checked="" type="checkbox"/> BRE Global BIM ISO 19650-2 certification for organizations undertaking information management in the delivery phase of assets for all parties
		<input checked="" type="checkbox"/> BIM ISO 19650-2 BIP (BIM informed professionals) knowledge & understanding for all parties	<input checked="" type="checkbox"/> BIM ISO 19650-2 BIP	<input checked="" type="checkbox"/> BIM ISO 19650-2 BIP		<input checked="" type="checkbox"/> BIM ISO 19650-2 BIP - Knowledge & understanding for all parties
			<input checked="" type="checkbox"/> BIM ISO 19650-2 for project and task information management	<input checked="" type="checkbox"/> BIM ISO 19650-2	<input checked="" type="checkbox"/> BIM ISO 19650-2	
BRE ACADEMY	Virtual, online & classroom trainings for building & infrastructure performance	<input checked="" type="checkbox"/> BREEAM* New construction	<input checked="" type="checkbox"/> Passive house Designer course (CEPH)	<input checked="" type="checkbox"/> BREEAM* AP site (formally SSM)	<input checked="" type="checkbox"/> BREEAM* In-use	<input checked="" type="checkbox"/> BREEAM* Refurbishment and fit-out
		<input checked="" type="checkbox"/> BREEAM* AP	<input checked="" type="checkbox"/> BREEAM* AP		<input checked="" type="checkbox"/> NABERS UK	
		<input checked="" type="checkbox"/> CEEQUAL	<input checked="" type="checkbox"/> CEEQUAL	<input checked="" type="checkbox"/> CEEQUAL	<input checked="" type="checkbox"/> CEEQUAL	<input checked="" type="checkbox"/> CEEQUAL
		<input checked="" type="checkbox"/> Information management training to BIM ISO 19650	<input checked="" type="checkbox"/> Information management training to BIM ISO 19650	<input checked="" type="checkbox"/> Information management training to BIM ISO 19650	<input checked="" type="checkbox"/> Information management training to BIM ISO 19650	<input checked="" type="checkbox"/> Information management training to BIM ISO 19650

Call 0333 321 88 11 or email enquiries@bregroup.com to find out more

\*The above Lifecycle stages are based on the RIBA Plan of Works