Final Report

Working Group 1 - Engineers

	Product Stage Construction Progress Stage										Use Stage															End of Life Stage	Benefits an beyond the bounds					
	A1 - Raw Material Supply A2 - Transport A3 - Manufacturing									A4 - Transport from the gate to the site A5 - Assembly				B1 - Use B2 - Maintenance B3 - Repair B4 - Replacement B5 - Refurblishment B6 - Operational energy use B7 - Operational water use																C1 - Deconstruction demolition C2 - Transport C3 - Waste processing C4 - Disposal	D - Re recovery, r poten	
RIBA 0	RIBA 1 Perparation and		RIBA 2		RIBA 3 Developed		RIBA 4		RIBA 5		RIBA 6 Handover &		RIBA 7								Retrofit											
Stragegic Definition	Brief		Concept Design		Design		Technical Desig	jn .	Construction		Closeout		In Use			RIBA 0	RIBA 1		RIBA 2		RIBA 3		RIBA 4		RIBA 5		RIBA 6		RIBA 7			
																Stragegic Definition	Perparation and Brief		Concept Desig	n	Developed Design		Technical Design	n	Construction		Handover & Closeout		In Use			
								WG 1	- Engineers									T						WG 1	- Engineers					Action		
	Actor	Action	Actor Lead Engineer	Action Lead Engineer	Actor Lead Engineer	Action Lead Engineer	Actor Lead Engineer	Action	Actor Lead Enginee	Action Lead Engineer	Actor Lead Engineer	Action Lead Engineer	Actor	Action			Actor	Action	Actor Lead Engineer	Action	Actor Lead Engineer	Action	Actor Lead Engineer	Action	Actor Lead Engineer	Action	Actor Lead Engineer	Action	Actor		Land Familian	Land Fo
			Lead Engineer (CEng) (overview)	(CEng) (overview)	(CEng) (overview)	(CEng) (overview)	(CEng) (overview)		(CEng) (co- ordination)	(CEng) (co- ordination)	(CEng) (co- ordination)	(CEng) (co- ordination)	Lead Engineer (CEng) (Call-off)						(CEng) (overview)	Lead Engineer (overview)	(CEng) (overview)	Lead Enginee (overview)	(CF)		(CEng) (co- ordination)	(co-ordination)		_	Lead Engineer (CEng) (Call-off)	Lead Engineer CEng) (Call-off)	Lead Engineer (CEng) (Call-off)	Lead Engi (CEng) (Ca
	Structural Eng (CEng) (Design Strategy)	C	Civil (CEng)		Civil (CEng)		Civil (CEng)		Specialist contractors IEng/EngTech (WG2)	Specialist contractors IEng/EngTech	Specialist contractors IEng/EngTech (WG2)	_	Warranty period for specialist contractors IEng/EngTech (WG2)				M&E Engineer (CEng) (Design Strategy)		M&E Engineer (CEng) (Engineered solutions)	M&E Engineer (CEng) (Engineered solutions)	M&E Engineer (CEng) (Engineered solutions)	M&E Engineer (CEng) (Engineered solutions)	M&E Engineer (CEng) (Engineered solutions)		Specialist contractors (IEng/EngTech)	Specialist contractors IEng/EngTech	Specialist contractors (IEng/EngTech)	_	for specialist fo	ontractors	Eng - site upervision (WG9)	IEng - site) supervision (V
		s	Structural (CEng)		Structural (CEng)		Structural (CEng))	IEng - site	IEng - site 9) supervision (WG9	IEng - site	IEng - site supervision (WG9							Possible hand-of to Structural		Fire Engineer (CEng) (Specialis	st	Fire Engineer (CEng) (Xpecialist	ı	IEng - site	IEng - site 9) supervision (WGS	IEng - site 9) supervision (WG9)		1	8	Specialist ontractors	Specialist contractors
			M&E (CEng)		M&E (CEng)		M&E (CEng)			1.		1							Engineer (CEng) Fire Engineer (CEng) (Specialis		advice) Specialist contractors		advice) IEng - site			1.				(lEng/EngTech)	(IEng/Eng1
			wae (Ceng)		Mac (CEIIg)		M&E (CEIIg)												advice)	st	(IEng/EngTech) (WG2)		supervision (WG9 Specialist))								
		F	Fire (CEng)		Fire (CEng)		Fire (CEng)																contractors (IEng/EngTech) (WG2)									
					Specialist contractors		IEng - site																(WG2)									
					IEng/EngTech (WG2)		supervision (WG9 Specialist	9)																								
							contractors IEng/EngTech (WG2)																									
					EngTech E	ingTech	EngTech	WG 2	- Installers EngTech	EngTech	EngTech	EngTech	EngTech	 I							EngTech	EngTech	EngTech	EngTech	2 - Installers EngTech	EngTech	EngTech	EngTech	EngTech E	ngTech		
							ire Egineers	g													g , con		Fire Egineers	g10011	_ng roon							
												Risk Assessors															WG 4 - Fire R					
					wo	G 5 - Fire Safety	Enforecement Office	ers														WG 5 - Fire Safety	y Enforecement Office									
							WG 6 - Buil	Iding Control / Stand	ards Inspectors														w	/G 6 - Building Con	ntrol / Standards Insp	ectors						
					WG 7 - Building Desig	igners / Architect	5														WG 7 - Building I	Designers / Architec	ots									
	w	'G8									WG 8 - Building S	afety Coordinators					w	/G8									WG 8 - Building S	afety Coordinators				
								WG 9 - Si	te Supervisors															WG 9 - S	Site Supervisors							
					WG 10 - Projec	ct Managers															WG 10 - Pr	roject Managers										
Team, Services					wo	G 11 - Procurem	ent					Products	, equipment			Team, Services						WG 11 - Procuren	nent						Products, equipment			
															wo	12 - Products																

Engineers are likely to have involvement with products, either design, manufacture or use of - how would you like to represent this.