

Nr	Risk Description	Risk Consequence: 1. Time 2. Cost 3. Quality 4. Operational	Schematic	Probability	Impact	Score	Risk Allocation	Category	Quantified Unquantified	Estimated cost impact £	Management Actions	Action Owner	Review Date	Comments	Cost if it happens £	Likelihood Factor	Expected Value
<b>1.00 STRATEGIC / PLANNING / FINANCIAL</b>																	
1.1	Design brief is not clear with changes being made by the client, impacting on scheme design and capital and revenue affordability	Time, Cost, Quality, Operational	2nd CT	2	3	6		Planning	Unquantified	5,000	(1) Project Board signs off SoA & design brief; (3) Project Board signs off 1:500 & 1:200 design plans.	Client			5,000	0.25	1,250
1.2	Ineffective project management arrangements during project planning and delivery stages	Time, Operational	2nd CT	1	2	2		Planning	Unquantified	8,000	(1) Establish a Project Management Team; (2) Implement Communications Strategy and Communications Action Plan.	Client			8,000	0.10	800
1.3	Internal approvals delayed - There is a risk that internal Health Board(s) approvals are delayed.	Time	2nd CT	1	3	3		Strategic	Unquantified	1,000	Continued liaison with SRO/Health Board/Key Stakeholders. Route for internal sign off agreed.	Client			1,000	0.25	250
1.4	Capital funding approval delayed or timing of funding does not match our current programme	Time	2nd CT	2	3	6		Financial	Unquantified	1,000	Maintain regular dialogue re the procurement arrangements with WG and other key stakeholders.	Client			1,000	0.25	250
1.5	Capital costs - Capital Cost over-run	Time, Cost, Quality	2nd CT	2	4	8		Financial	Unquantified	5,000	Appoint Cost Advisor	Client			5,000	0.25	1,250
1.6	Revenue affordability - Affordability of revenue model is over/under estimated	Quality, Operational	2nd CT	2	4	8		Financial	Unquantified	1,500	Finance lead regularly report to Project Board.	Client			1,500	0.10	150
<b>2.00 DESIGN/CDM/REGULATIONS</b>																	
2.1	Siting and adequacy of Contractors Compound and Site Set-Up	Time, Cost, Quality	2nd CT	2	3	6		Financial	Unquantified	5,000		Contractor			5,000	0.25	1,250
2.2	Suitable Contractor Emergency Procedures	Quality, Operational	2nd CT	1	5	5		Operational	Unquantified	5,000	Protect Fire Mans switch on main route from damage	Contractor			5,000	0.05	250
2.3	Unforeseen service diversion works	Time, Cost, Quality, Operational	2nd CT	3	3	9		Operational	Unquantified	20,000		Client			20,000	0.50	10,000
2.4	Encountering unforeseen services.	Time, Cost, Quality	2nd CT	3	2	6		Strategic	Unquantified	15,000		Client			15,000	0.50	7,500
2.5	Fire strategy and detection during the works	Time, Cost, Quality, Operational	2nd CT	1	3	3		Strategic	Unquantified	5,000	Appropriate strategy during construction works to protect building and fire routes	Client			5,000	0.25	1,250
2.6	Asbestos in existing buildings; only to older part	Time, Cost, Quality, Operational	2nd CT	2	4	8		Strategic	Unquantified	10,000	Asbestos survey/register to be provided	Client		Asbestos to be delt with outside the Risk register	10,000	0.50	5,000
2.7	Contaminated Waste - Other	Time, Cost, Quality, Operational	2nd CT	3	4	12		Strategic	Unquantified	5,000	Testing required if there is any suspicion of contaminants in any existing surfaces or decoration. EWN to be issued if risk manifests	Client			5,000	0.50	2,500
2.8	Vehicular/Pedestrian movements on site - proximity to public	Time, Cost, Quality, Operational	2nd CT	3	4	12		Strategic	Unquantified	3,000	Need for clear segregation and procedures for banking etc. to be addressed	Contractor			3,000	0.50	1,500
2.9	Extent and scope of the design to be frozen for construction phase	Time, Cost, Quality, Operational	2nd CT	3	4	12		Strategic	Unquantified	0		Client			0	0.50	0
2.1	Impact of non agreed derogations or design assumption	Time, Cost, Quality, Operational	2nd CT	3	4	12		Strategic	Unquantified	0		Client			0	0.50	0
2.11	Current as built drawings do not reflect current installation	Time, Cost, Quality, Operational	2nd CT	1	2	2		Strategic	Unquantified	0	Contractor to verify existing installation against design at earliest opportunity	Client		Health Board risk	0	0.75	0
2.12	Changes to existing Health Board personnel; changes to design requirements	Time, Cost, Quality, Operational	2nd CT	2	2	4		Strategic	Unquantified	0	Client to inform of any potential health board changes	Client		Health Board risk	0	0.75	0
<b>3.00 M&amp;E SPECIFIC RISK</b>																	
3.1	Existing cables may not be suitable for re use	Time, Cost, Operational	2nd CT	1	2	2		Strategic	Unquantified	10,000	Most Cables will be new some circuits from existing DBs Testing of individual circuits will minimise risk; circuit remediation contingency to be considered	Client			10,000	0.50	5,000
3.2	Plant Room Space for services coordination	Time, Cost, Quality, Operational	2nd CT	3	3	9		Strategic	Unquantified	10,000	3D surveys and modelling with site visits have been undertaken, however some unknowns remain	Client			10,000	0.50	5,000
3.3	Final CT manufacture	Time, Cost, Quality, Operational	2nd CT	3	3	9		Strategic	Unquantified	15,000	confirmation of type	Client			15,000	0.50	7,500
3.4	Temporary Extract Ventillation to existing areas due to AHU works	Time, Cost, Quality, Operational	2nd CT	4	3	12		Strategic	Unquantified	15,000	Confirmation of extent and requirement	Client			15,000	0.50	7,500
3.5	Maintenance legacy items	Time, Cost, Quality, Operational	2nd CT	2	3	6		Strategic	Unquantified	10,000		Client		Within Tender	10,000	0.25	2,500

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4.1	Inflation/Market Price Increases	Operational	2nd CT	2	3	6	Financial	Financial	Unquantified	15,000	Potential tender price increases due to time period from tender to start on site	Client			15,000	0.25	3,750
4.2	Isolations by maintenance not being able to be carried out	Time, Cost, Quality, Operational	2nd CT	2	3	6	Strategic	Strategic	Unquantified	15,000	Maintenance to be informed of works in progress/Potential trial shutdowns with Estates and subcontractor prior to contract works commencing	Client		Health Board risk	15,000	0.25	3,750
4.3	Critical services being affected by the works, isolation and diversion time scales affecting the programme of works; complex critical path	Time, Cost, Quality, Operational	2nd CT	3	4	12	Operational	Operational	Unquantified	5,000	Maintenance to be informed of works in progress/Potential trial shutdowns with Estates and subcontractor prior to contract works commencing	Client		Health Board risk	5,000	0.75	3,750
4.4	Working within live hospital environment	Time, Cost, Quality, Operational	2nd CT	4	4	16	Strategic	Strategic	Unquantified	0	Clear segregation/Project managed user group meetings	Client		Health Board risk	0	0.50	0
4.5	Maintaining existing fire escape routes	Time, Cost, Quality, Operational	2nd CT	4	4	16	Strategic	Strategic	Unquantified	5,000	Agreed fire management plan to be discussed in line with hospital fire escape procedure	Client		Health Board risk	5,000	0.50	2,500
4.6	Working within existing department	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	0	Strategy to be discussed with project team & stakeholders	Client		Health Board risk	0	0.50	0
4.7	Logistics Construction work	Time, Cost, Quality, Operational	2nd CT	5	4	20	Strategic	Strategic	Unquantified	0		Client		Health Board risk	0	0.50	0
4.80	Logistics Daily operation of hospital inc deliveries	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	0		Client		Health Board risk	0	0.50	0
4.9	Shut downs	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	0	Shutdown strategy to be reviewed and agreed, potential cost/programme impact for delays	Client		Health Board risk	0	0.50	0
4.10	Operational continuity during works	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	0	Design and construction programme and methodology to be issued to stakeholders for agreement.	Client		Health Board risk	0	0.50	0
4.11	Approval timings	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	0	Health board to review internal sign off procedures to ensure instructions are issued within a timely manner	Client		Health Board risk	0	0.50	0
4.12	General disruption due to construction activity	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	0	Stakeholder engagement with users	Client		Health Board risk	0	0.50	0
5.00 CONSTRUCTION PHASE																	
5.1	Noise/Dust/Vibration Risk; to units around the works areas	Time, Cost, Quality, Operational	2nd CT	4	4	16	Strategic	Strategic	Unquantified	3,000	Monitoring during construction works	Contractor			3,000	0.50	1,500
5.2	Access/Egress; especially on walk ways in roof space	Time, Cost, Quality, Operational	2nd CT	4	4	16	Strategic	Strategic	Unquantified	5,000	Logistics plans to be reviewed and agreed	Contractor			5,000	0.50	2,500
5.3	Security of site compound and unmixd materials	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	0	Contractor	Contractor		Manage out	0	0.50	0
5.6	Fire Stopping generally; but fire stopping above existing walls etc	Time, Cost, Quality, Operational	2nd CT	4	3	12	Strategic	Strategic	Unquantified	5,000	Contingency required	Client/Contractor			5,000	0.50	2,500
5.7	Scree levels; during demolition and unforeseen floor level differences	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	2,000	Review once demolitions complete	Client/Contractor			2,000	0.50	1,000
5.8	Changes to the planned Phasing causing operation of the site changes and ways of working; additional Out of Hours Working	Time, Cost, Quality, Operational	2nd CT	4	3	12	Strategic	Strategic	Unquantified	5,000	Constant review	Client			5,000	0.50	2,500
5.9	Unchartered services	Time, Cost, Quality, Operational	2nd CT	2	2	4	Strategic	Strategic	Unquantified	9,784	services running in current ducts need surveying	Client			9,784	0.50	4,892
5.10	Operational policy changes	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	0	Continuous dialogue with contractor and health board to mitigate impact.	Client			0	0.50	0
5.11	Decommissioning and recommissioning of existing plant	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	5,500	Possible condition surveys of existing plant	Client			5,500	0.50	2,750
5.12	Protection of existing permanent works/making good	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	5,000	Site access route to be protected	Client			5,000	0.50	2,500
5.14	Working within live hospital corridors	Time, Cost, Quality, Operational	2nd CT	3	4	12	Strategic	Strategic	Unquantified	0	Infection control policy to be followed	Client			0	0.50	0
5.15	Risk of accidental removal/isolation of current systems; Hospital service interruption	Time, Cost, Quality, Operational	2nd CT	3	5	15	Strategic	Strategic	Quantified	3,000	Maintenance team/Estates to be consulted prior to removals and isolations; specific attention to IT installations and their routes	Client		Health Board	3,000	0.50	1,500
5.16	Construction noise; adjacent buildings: general acoustics	Time, Cost, Quality, Operational	2nd CT	3	5	15	Operational	Operational	Quantified	0	Constant Review	Client		Health Board risk	0	0.50	0



