



Trust Board Capital Business Case Briefing Paper	
Reference Number:	TB147/11/G
Date of Meeting:	24 th November 2022
Presenting Director:	Dr Dave Watkins
Subject:	Upgrade of Endoscopy Decontamination Equipment and Ventilation systems in Antrim Hospital Day Procedure Unit
Purpose/Action Required:	To provide a summary of the Capital Business Case for Trust Board Approval.
Background:	After an Endoscope is used on a patient, it is essential that the scope is manually cleaned, processed and traced through a validated Endoscope Washer Disinfector. If the scope is not required immediately for another patient it is then placed in a drying cabinet for drying and can be stored here safely for 7 days. It is important that endoscopes go through this process to ensure scopes are fully disinfected and fit for use on the patient. This helps to ensure patient safety and reduces the risk of infection. The Endoscope Washer Disinfectors located in Antrim Day Procedure Unit are not compliant with HTM01-06 and the manufacturer support terminates in December 2022. The current equipment in place – 4 Endoscope Washer disinfectors and 7 drying cabinets have been in situ since 2008 and it have been on the risk register for six years. Antrim Day Procedure Unit has not been upgraded since Antrim Hospital opened 1994. Configuration of the area does not promote a positive patient experience, there is a lack of storage in the facility resulting in large pieces of equipment being stored in the corridors. There is a lack of work stations for clinical staff to carry out their administrations duties.



	The aim of this project is to completely remove all existing decontamination equipment and replace with HTM01-06 compliant EWDs and storage and drying cabinets, and install a new ventilation system which is compliant with HTM-03-01. Options Four options were reviewed for consideration within the capital business case to support the upgrade of the equipment within the Day Procedure Unit with Option 4a being the preferred option. Option 4a. Upgrade and consolidate decontamination equipment in Antrim DPU and upgrade ventilation system to include redecoration and refurbishment throughout Decant of Endoscopy service within existing Trust estate This option will take a total of 40 weeks Works on the ventilation system will be completed first with the equipment installed afterwards.
Benefits:	This proposal will ensure the continuity of Endoscopy services on the Antrim Hospital site by providing clinical staff with the appropriate clean equipment for procedures. This will ensure staff and clients of Antrim Hospital Day Procedure Unit are provided with a safe, comfortable and compliant environment. Replacement of the decontamination equipment will ensure that the machines are compliant reliable and with manufacturers support to ensure the Endoscopy service can continue at full capacity. Introduction of a 30 day vaccum pack storage system will negate the need for reprocessing of endoscopes after they have reached their 7 day expiry. Replacement of the Endoscope Washer Disinfectors, Drying Cabinets, Upgrade of the Ventilation system and a redecoration throughout will ensure compliance with HTM01-06, HTM03-01 & BSEN16442:2015



	Redecoration/Refresh in DPU will address the concerns regarding lack of storage and will improve the aesthetics within DPU therefore greatly improving the environment and contributing to improved patient and staff experience.
Total Capital Costs:	Design costs - £134,913.82 Equipment Costs - £380,959.89 Building and M&E works – £ 899,425.48 Mid-Ulster Hospital Decant cost- £32,900 Total capital cost - £1,448,199.19
Affordability:	The total capital costs for Option 4a are £1,448,199.19 with the expenditure being incurred over 2 financial years. The split of the years are as follows: Year 1 £501,533.87 Year 2 £946,645.32
Risks:	Without investment into Antrim Day Procedure Unit there is an increased risk of – • Terminal failure of Endoscope Decontamination Equipment resulting in no Endoscopes being processed and procedures potentially being cancelled. • Failure to comply with HTM01-06, HTM 03-01 & BSEN16442:2015 • Potential adverse effect on patient safety • Non-compliance to HTM03-01
Conclusion:	• Investment required into Antrim DPU to ensure the decontamination of Endoscopes can continue and patient safety is not compromised and compliance to HTM01-06, HTM 03-01 & BSEN16442:2015 For approval by Trust Board.