



In collaboration with:



NICK MAUGHAN FOUNDATION

ADVANCED INFORMATION TECHNOLOGY CENTRES, AFRICA

A collaboration conceived by the Nick Maughan Foundation, charity Harpenden Spotlight on Africa and architecture & construction practice CAUKIN Studio will see a state of the art Advanced Information Technology Centre built in the Musoto region of Mbale District, Eastern Uganda.



NMF ADVANCED INFORMATION TECHNOLOGY CENTRE

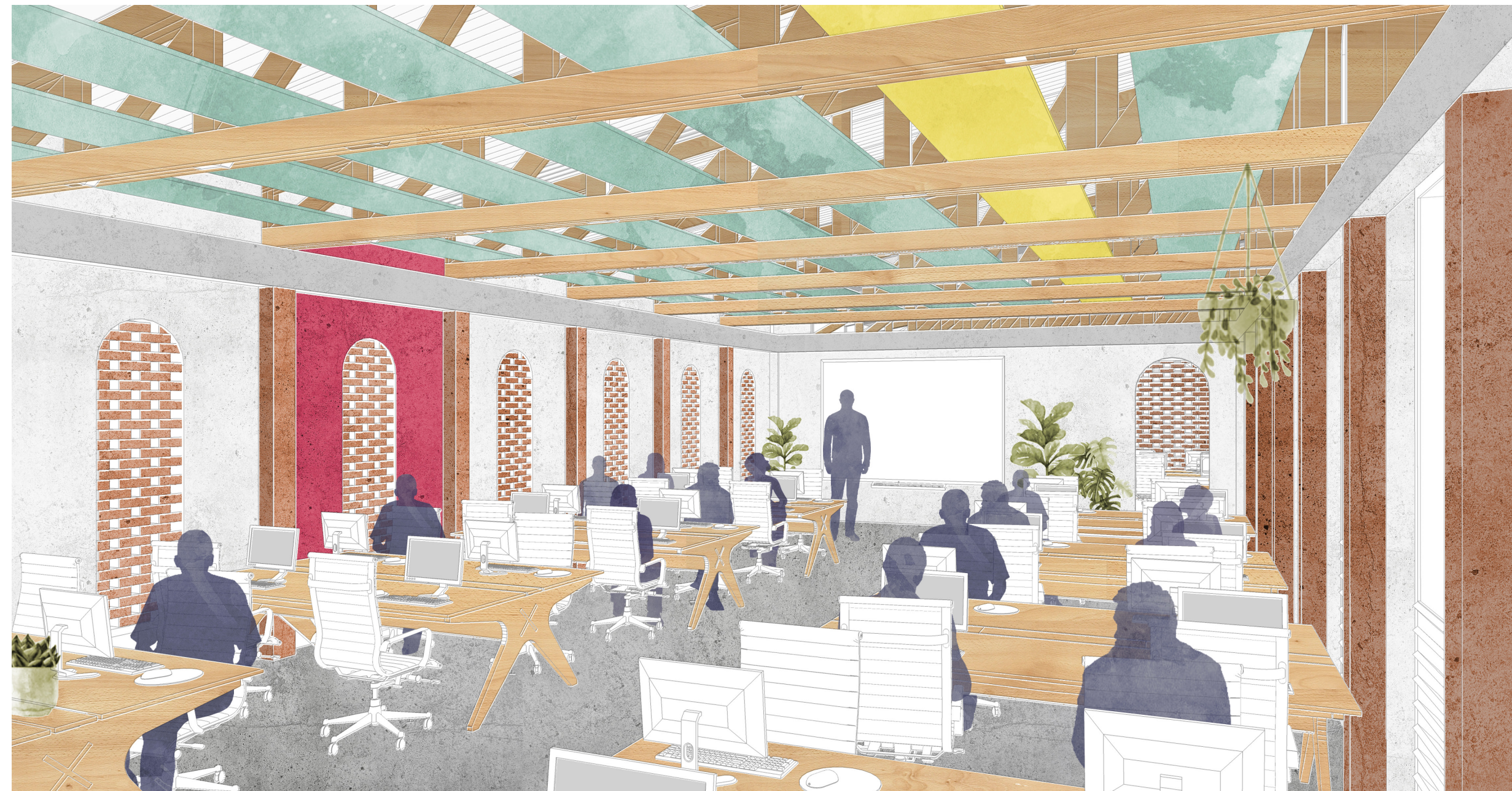
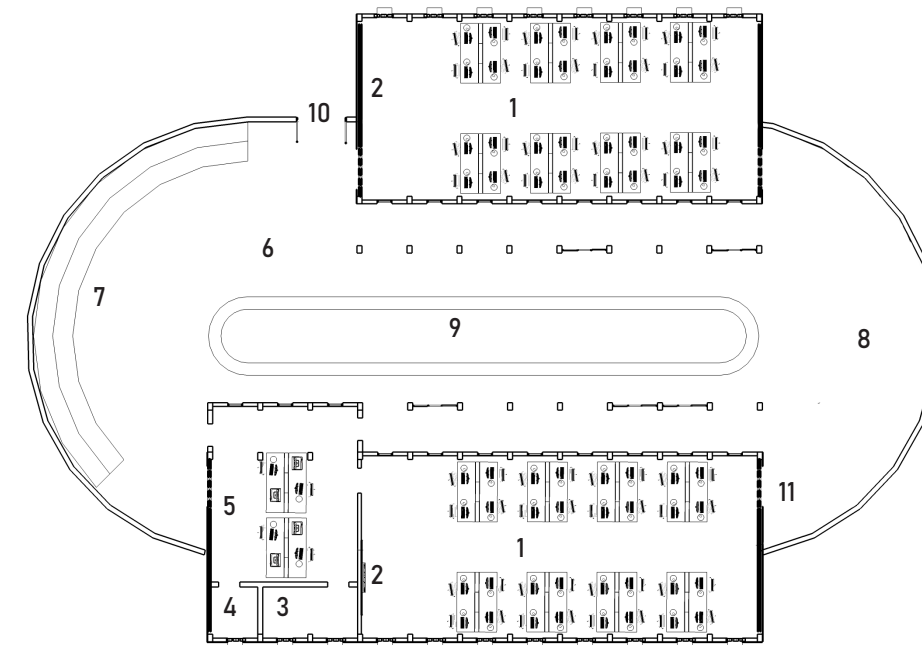
Mbale District, Eastern Uganda

Project Overview

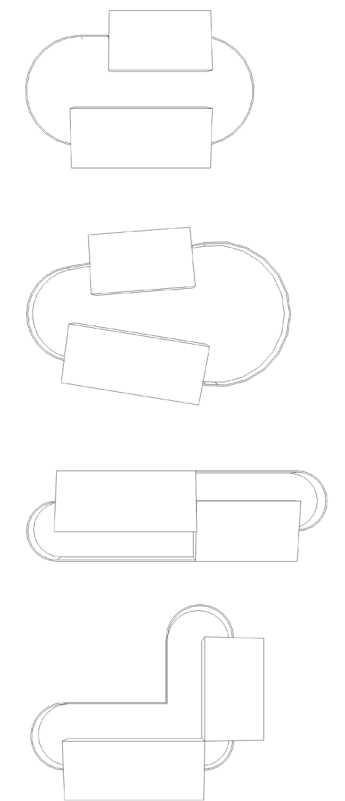
Harpenden Spotlight on Africa and CAUKIN Studio have developed the design of the Nick Maughan Advanced Information Technology Centre, aimed at providing state of the art digital skills education to the Musoto community. The facility will provide dedicated teaching spaces for IT learning as well as supporting a digital fabrication lab containing 3D printers and graphics tablets.

The bespoke facility has been strategically designed to prioritise security whilst allowing for passively cooled, inspiring spaces which contain all of the digital equipment required to teach an integrated IT curriculum. The design can be applied to multiple sites and contextual constraints, with classrooms being reorganised relative to individual sites across Africa. Key spaces within the centre aspect inwards to the walled courtyard to maximise security whilst aiding with air circulation and access to natural light.

The design utilises local materials in innovative ways to help to reduce the building's embodied carbon and energy consumption during its usable lifetime. A focus is placed on keeping the equipment secure within the walled courtyard whilst also providing a safe space for outdoor teaching, projection screenings and day time studying outside of the classroom.



- 1 IT CLASSROOM
- 2 DIGITAL WHITE BOARD
- 3 SECURE SERVER ROOM
- 4 SECURE STORE
- 5 DIGITAL FABRICATION LAB
- 6 CENTRAL COURTYARD
- 7 EXTERNAL STUDY AREA
- 8 PROJECTION / OUTDOOR LECTURE
- 9 PLANTING / SEATING FEATURE
- 10 SECURE ACCESS TO COURTYARD
- 11 ADDITIONAL SOLAR PANEL AREA



Speculative adaptations for alternative sites across Uganda