A Contemporary Working Environment for Methodical Learners

BRIEF

The idea of Sequence is to provide and create a sequential flow for students, to work and study in a much healthier, positive sustainable and environment which will prepare them for future opportunities in the job sector they choose. This motivation has developed the design problem 'How can an intervention be designed to support students of the engineering industry' due to the reoccurringissuesintheindustry that have collated over time. These issues range from lack of positive work environments for both experienced workers and especially post graduate students, to lack of female role models for the engineering industry which overall creates a grey area for the new generation to feel welcomed into the engineering world.

SITE CONTEXT

Sequence is to be developed as an intervention within Dalton Old Pump House, Seaham. This location looks to be the best place for a suitable client and user, being Durham University and their engineering students.

Originally, Dalton Old Pump House (Lady Dalton) was built before World War II in the 19th century from 1873 - 1875 to supply surrounding areas; Newcastle, Sunderland, Durham and more, with water through a limestone base rock and reservoir. The Venetian gothic-style building, supplied surrounding areas with water to provide clean water whilst also improving the domestic plumbing issues during the late 1800's.

CLIENT

Looking at the building analysis and location of Dalton Old Pump House, the Client needed to be thoroughly considered. The University of Durham has been contracted for Sequence's client as they are known to be a leading research centre for engineering.

USER

The client will be the University of Durham and they will be offering Sequence as a retreat experience for the users, who are the students. The overall experience will allow undergraduate and postgraduate students to enhance their engineering skills for future employment whilst being accompanied by professionals who will be able to support their work and education.

SITE MAP Scale - 1:1250

SITE MAP Not to Scale

DURHAM Located 22 minutes via car on A690 and B1285.

Sequence

A particular order in which a collection of related subjects follow eachother.













Number of students graduating with first degree at durham university.



Difference in gender dominance in industry.



58% increase in women interested in engineering.









Levels of Design





The Civil Engineer workshop is to be cituated on the first floor to allow for easy circulation and journey through the building. Connection is created via the balcony separation. This creates margins through the design.

Understanding the benefit of the Journey







and keeping a cohesive design it is important to implement a courtyard similarily to the ground floor for mental health support and promotion of healthy work environements.

ROUND FLOOR COURTYARD

Courtyard implemented to promote healthy break room environments with access points through to the chimney area.

Detail Components Implemented by Design

