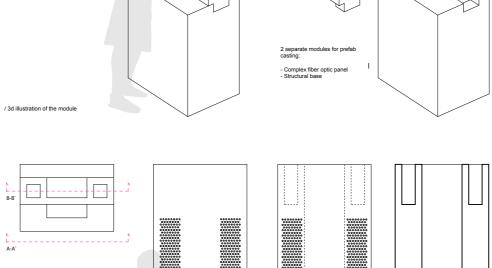
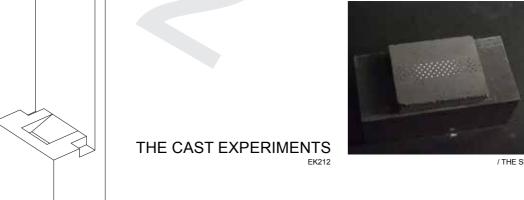
Natural light well LED lit fiber optics - Complex fiber optic panel - Structural base











/ THE APPLICATION
1:5 light panel, 5 % surface covered with fibers

This project is about light emitting concrete, achieved with fibre optic cables. Existing examples of fibre optic concrete are used exclusively for decorative purposes, due to limited strutur-al capabilities and the high cost of the material.

We are interested in pushing the concept to functional applications. We started with the idea of bending

EMERGENCY LIGHTING

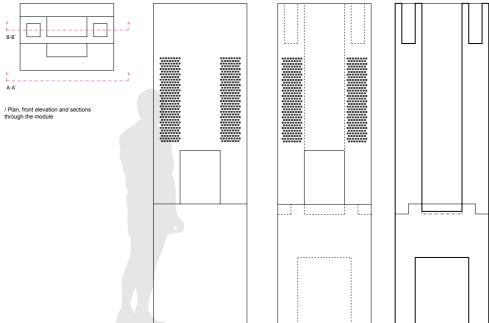
We are interested in pushing the concept to functional applications. We started with the idea of bending the fibre optics in the concrete, rather than running them straight through. This meant transferring light from one area to another.

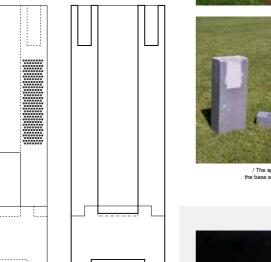
Our chosen application is emergency

Most refugee camps in Africa do not have a lighting system installed for the tollet licatilities and darkness descends as the sun sets. In high profile meterpencies, toilets in camps are often provided with solar lighting, but donors and aid agencies rarely pay for long-standing camps in Africa to have the same facilities, making it more dangerous for women.

Our chosen application is emergency lighting for refugee camps. Tollets in particular are places that require lighting that is cheap, secure and easy to maintain.

Most refugee camps in Africa do not have a lighting system installed for the total facilities and darkness







/ The application the base and the lid the fiber optics bundled at the top and the lid with LED light source



/ The formwork process.
Taking off the formwork and trimming the fibers.







/ The periscope Lit from the bottom of the backside



/ The application Lit from above

Testing our application with fibers as a light source against the precedent decorative panels.



/ The slab on top of LED light source



/ The slab on top of LED light source







A-A`













