



Welcome to our biweekly newsletter, keeping you up-to-date on the progress of construction on Kathy's Centre in Uganda.

We are constructing a health centre and kindergarten space for the community of Mayuge, Uganda.

EfOD NW: An Update from Uganda Week 2&3

A SUMMARY OF THE LATEST SITE ACTIVITIES AT KATHY'S CENTRE

31/08/16

Kathy's Centre: An Introduction

We are a charity who deliver projects to improve the health, hygiene, education and self-sufficiency of poverty afflicted communities. These projects are designed and constructed by young professionals from the engineering industry. As the North West branch, we are currently working on Kathy's Centre in partnership with Act4Africa (A4A), who are based in Altrincham and carry out operations in Mayuge District, Eastern Uganda.

Kathy's Centre will be operated by A4A and design and built by EfOD NW volunteers. It will provide a base for Act4Africa's staff at the heart of the affected area allowing them to gain key connections with local authorities and tailor their operations to better suit their needs. It will also provide an education centre with Kindergarten classes for the most vulnerable during the day and a youth centre at night to provide social activities for youths.

Haileybury Youth Trust (HYT)

A major objective of the project is to empower and educate the local community in modern construction technology. To achieve this, we have teamed up with HYT who work in Uganda to build better futures in Uganda. Our collaboration will ensure a quality building is constructed whilst simultaneously educating the local community.

Site Progress: Week 2&3

The second pairs of volunteers from our group are David McSorley (AECOM) and Jonathan May (MWH). David and Jonathan flew out to Uganda on 6th August 2016.

Following on from the fantastic start made by Sean and Dan, David and Jon were tasked with ensuring site progress remained at the same pace whilst procuring materials for the following pairs.

Their first task was to continue excavating for the foundations. Early on they noted an issue with the slope of the site and our proposed foundations. The site slope was more pronounced than had been anticipated, this meant that a revised level for the foundations had to be calculated. Constant communication with the team in the UK meant that we were able to redesign and continue the work on site.

Week two consisted mainly of excavation for foundations and ground floor slab. The last day of week two marked the delivery of our foundation rebar, enabling the construction of reinforcement cages. Despite none of the workers having ever used reinforced concrete before, they were keen to learn about its benefits and why we have specified it.

Week 3 commenced with continued ISSB production and forming of shear links for strip foundation. It was essential to explain how fixing of the reinforcement must be accurate to ensure it is constructed as it was designed.

Midway through the second week the team visited a previous project in Uganda constructed by (HYT). The building they visited is a local primary school that was constructed using ISSB's. After seeing the primary school and the work that HYT have done elsewhere, we are investigating the option to add rainwater harvesting and other sustainable features to ensure we leave a lasting legacy for the community.

At the end of David and Jon's time in Uganda we had completed all the excavations, constructed all foundation cages and produced over 3000 ISSB's.



Shear Link Production Commences

The first shear links are being constructed and fixed. Both the EFOD members got hands-on with fixing.



The Site Team

Our guys had a great time working with the local labour, teaching them about our construction techniques and learning a few tricks from them too!



First Cage of Reinforcement

We are using reinforced concrete for the foundations, columns and ring beam. This is the first cage of reinforcement for the foundations.