

## **EPFL- ENAC. Projet de Master**

### **“Affordable and safe engineering and participatory transformation of informal settlements in Tanzania”**

- Catégorie de projet : GC
- Type de projet : Projet de Master
- Supervision du projet : David Fernández Ordóñez (EPFL)

#### **Description :**

African Megacities are in an urgent need for housing. In particular Dar-Zanzibar Metropolitan Area has a great need to transform large quarter of informal housing into formal housing. Thus, the participatory transformation of informal settlements (and slums) is in high need. Therefore, the development of affordable and safe engineering, combined with smart and flexible housing design and easy-to-build by local contractors, that can use local material and create local jobs, combined with low-carbon building material, including smart pre-casting.

The project aims to develop an industrialised construction system with local materials and workmanship.

The work will be in combination with the organization SKAT that is developing this kin.

An example of a real calculation will be used after the analysis.

#### **Keywords :**

Design of structures, affordable housing, low carbon and local materials, precast constructions.

Pour vous inscrire au projet, veuillez envoyer un courriel avec votre nom à : [david.fernandez-ordonez@epfl.ch](mailto:david.fernandez-ordonez@epfl.ch)