

CONSENT FORM

UNIVERSITY OF CAPE TOWN

CONSENT TO PARTICIPATE IN A RESEARCH STUDY

Research Topic: Investigating the transformation of an existing building (small commercial building) into an energy neutral building (not dependent on electricity from the grid for its energy).

Dear potential participant,

You are invited to participate in a research study conducted by Jamie Burton, Electrical engineering undergraduate student at the University of Cape Town. The research study is supervised by Mascha Moorlach, Senior Research Officer in advanced machines and energy systems at the University of Cape Town. The results of the research study shall be presented to the Department of Engineering and the Built Environment in fulfilment of the requirements of the degrees in Undergraduate in Electrical Engineering.

Should you have any queries or concerns regarding the research, please feel free to contact , Jamie Burton BRTJAM009@myuct.ac.za. The research supervisor, Mascha Moorlach can be contacted at mascha.moorlach@uct.ac.za.

Purpose of the research study

This research aims to identify methods of transforming a building into an energy neutral building not dependent on electricity from the grid for its energy:

1. To identify and collect information on current energy bills and what energy users are present.
2. To construct and simulate an accurate model of the building in question.
3. To measure the effects of at least three energy interventions on the building and record their effect on energy usage.

Procedure

Your participation in this research study is completely voluntary. Should you volunteer to participate in the research study, we would consult with you in order to agree on a time that would be suitable for a semi-structured face-to-face interview. Various questions shall be asked that will be used to supplement data obtained from documentation analysis under a case study research setup.

Potential benefits to participants

Should you request, the research findings will be shared with you.

Confidentiality

Every effort shall be made in order to ensure that the subjects are anonymous and the safeguard of any information provided. Confidentiality of all information shall be maintained. The information obtained from the interview process shall be used for this research study only. The raw data obtain from the interview shall only be revealed to individuals directly associated to the supervision and marking of this research study.

Participation and Withdrawal

You may elect to withdraw from this study at any time. You may also elect to refuse to answer any question that you do not wish to answer.

Rights of research participants

You may elect to withdraw your consent at any time and discontinue participation without any penalty. This study has been reviewed and granted ethics clearance through the University of Cape Town Research Ethics Board.

Signature of Research Participant/Legal Representative

I have read the information above and my questions have been answered to my satisfaction. I hereby agree to participate in this research study and been given a copy of this form.

Manfred Braune

Name of Participant (Please Print)

UCT Director Environmental Sustainability in the OVC

Company of Participant



Signature of Participant