

## Assignment student EnTranCe Energy Transition Community

<b>Project title: Research internal climate Energy Barn</b>
<b>Suitable for students of:</b> <i>Multiple choices are possible</i>
<input type="radio"/> MBO <input type="radio"/> BuitenWerkPlaats Built Environment (2 <sup>nd</sup> yr, 1 block, 2 <sup>nd</sup> yr, 4 block) <input type="radio"/> Vastgoedlab V&M (3 <sup>rd</sup> yr) <input type="radio"/> Bachelor graduation assignment (4 <sup>th</sup> yr) <input type="radio"/> Bachelor internship (limited possibility in daily guidance) <input checked="" type="radio"/> Research assignment in curriculum year 2017 <input type="radio"/> Honours research assignment <input type="radio"/> Master thesis
<b>Study Program: Mechanical Engineering / Communication</b>
<b>Period: Feb 2018 - July 2018</b>
<b>Language: English/Dutch</b>
<b>Client: Margreet van der Velde</b>
<b>Internal client: Ted Wildenberg</b>

### **Background (facts, situation sketch and parent/organization goals)**

The Energy Barn is a building used for social events taking place on EnTranCe. The building is equipped to accommodate 250 people and comprises a presentation area, an informal gathering area, a catering/kitchen area, toilets and a storage area. The heating is facilitated through the so called Energy Transition Bridge (ETB) at EnTranCe. At this moment frustration is building up due to the unreliable heating system.

### **Problem (description of the undesirable situation)**

Although the building is isolated, which recently has been approved, the (felt) temperature is not always on a comfort level. It is not yet obvious if the delivered heat is sufficient, the distribution of the heat is correct, the isolation is enough and/or other possibilities. The problem is split in two areas:

- Communicating with users/management of the Energy Barn to collect data (experiences), to arrange tests, handle the existing frustration and make proposals regarding possible solutions.
- Get an overview of the physical situation (P&ID), collect (measurable) data, analyse situations and propose solutions.

### **Objective (description of the desired situation)**

Two students (communication and mechanical engineering) should analyse the situation and propose solutions for the climate problem. This should be treated as a commercial project so items like stakeholders, planning, budget, communication management, risk management etc. should be included.



## Result deliverable/product (what is ready if the project is finished) with list of part results

The deliverable should contain the following items:

- Transparent project including reporting.
- Verifiable cause of the problem including proposals for solving the problem.
- If a solution is accepted it should be implemented.
- Feedback from users/management of the Energy Barn after fixing the problem(s). If the problem can not be fixed during the desired term it should contain feedback from the users/management on how the project is executed and communicated.

Product: satisfied Energy Barn management!

## Competence level

3

## Connected to Change Agency ETC

*Multiple choices are possible*

- Sustainable Building
- Sustainable Mobility
- Local Communities

## Further information

Student will be working in the context Energy Transition Community at EnTranCe. You will be working in a multidisciplinary team. For detailed information on this assignment contact Ted Wildenberg (EnTranCe) [t.b.c.m.wildenberg@pl.hanze.nl](mailto:t.b.c.m.wildenberg@pl.hanze.nl) 050-5952478

## How to respond to the vacancy

Send a motivation letter and CV to EnTranCe, Energy Transition Community, [etc@org.hanze.nl](mailto:etc@org.hanze.nl)  
Attn. Mrs. Jacqueline Josse, Office Manager EnTranCe. **Note:** If the job does not fit directly with your specific interest, please contact via [etc@org.hanze.nl](mailto:etc@org.hanze.nl) or 050-5954708

Website: <http://en-tran-ce.org/for-students/assignments/assignments-per-study/>