

# CEBEC

Advanced Curriculum on Energy Efficient Buildings in  
Extreme Continental and Sunny Climate in Mongolia

GMIT Report on 13th February, 2023

## Courses

- Total of six courses, as planned, are starting to be offered at the GMIT
- All course materials have finished development (except certain laboratory materials for the marked courses)

<i>Course</i>	<i>Teaching</i>
<i>Energy Economics and Planning</i>	<i>Fall 2023 (Bachelors)</i>
<i>*Energy Efficient Buildings</i>	<i>Spring 2024 (Masters)</i>
<i>Energy Management and Auditing</i>	<i>Fall 2023 (Bachelors)</i>
<i>Energy Storage</i>	<i>Spring 2023 (Bachelors)</i>
<i>Renewable Energy Systems</i>	<i>Spring 2023 (Bachelors)</i>
<i>*Modelling and Analysis of Energy Systems</i>	<i>Fall 2023 (Bachelors)</i>

## Laboratory Equipment Procurement (Package 1)

- GMIT has order two laboratory equipment sets for teaching.
  - 2022.07.04 - 2022.08.17 - announced the bidding process for “Package 1: Solar and Wind Energy Training Equipment”, SkyBlue Fortune LLC has been awarded as the supplier by submitting a price offer of MNT 85,061,340.00 (22,705 EUR).
    - **Participants:**
      - Any Med technology
      - And Energy JSC
      - Odo Engineering LLC
      - Interscience LLC

Due to logistics problems related to Covid-19 in China, SkyBlue Fortune LLC has sent an information about shipping delays regarding the Solar and Wind Energy Training Equipment.

**Update:** The Package has been delivered to the customs in Mongolia, and will be installed and handed over to GMIT this week (between 13<sup>th</sup> February, 2023 and 17<sup>th</sup> February 2023)

## Laboratory Equipment Procurement (Package 2)

16.11.2022 - 24.11.2022

- Green Chemistry LLC, Delgereh Tsomorlig LLC have participated in the bidding process and Delgereh Tsomorlig LLC was awarded with a bid of MNT 87,400,000.

**Update:** Due to logistics problems related to Covid-19, there has been several delays for the equipment delivery. After contacting with the Contractor, current estimate on the arrival date for the products is early March, 2023. (official letters from the Contractor will be sent after the meeting)

## Course/ Training

- MATLAB (by Prof. Ariunbolor, GMIT)
  - When: January 4<sup>th</sup> – January 7<sup>th</sup>
  - Total of 32 hour course
  - Participants
    - MUST: 4 lecturers and 3 students
    - MULS: 3 lecturers
    - GMIT: 1 lecturer and 2 students
  - Course Content
    - Array
    - Functions on Array
    - Programming
    - Simulink
- Student Course in Lund (May 2023)
  - The GMIT has selected two masters students for the course

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