

**ELEC5032M Group Mini-Project Phase 2**

**New Technology Case Study and System Design**

# Instructions

* As a group, explore the emerging technologies that you think are the most promising for your chosen application in the SDGs, building on your work in mini-project phase 1. Write a ~800 word summary of the technology and its importance.
* Then, choose a specific potential engineering solution and carry out a high-level system design. This should comprise an overall system block diagram with a provisional indication of the name of the group member that will lead on each subsystem.
* For each subsystem in your main system block diagram, draw a separate subsystem block diagram that shows the detailed functionality (See Minerva for examples).
* Write a ~800 word narrative explaining what your systems is for, what it does, and the function and purpose of each main block.
* Keep a careful record of your sources of information (research papers, web links, etc.) for your final report.

# Important notes on marking

* Your 800 word summaries and block diagrams will be assessed as part of your final project report but must be submitted after your presentation so that we can give formative feedback and monitor your progress.
* Each group member should separately document their contribution to the mini-project each week in the personal reflective log.
* **If any member of a group is deemed not to be engaging in the project, the Module Manager reserves the right to set an alternative individual assignment. Satisfactory engagement will be assessed according to seminar/webinar attendance, Minerva access metrics and weekly reflective log entries.**
* Note that material from websites cannot be copied and pasted except for diagrams and tables with the source identified in the caption. Plagiarism is a serious offence.
* **You must prepare a short presentation summarising Phase 2, including your block diagrams. This counts for 10% of the module. Tips and assessment details are provided separately.**
* Your submitted written work must meet a minimum English competency level. Please ensure that you use paragraphs and that the content flows properly between and within paragraphs. Please ensure that your word choice and grammar do not undermine the meaning and comprehensibility of your argument and that your word choice and grammar are appropriate for an academic text. You should also correctly reference any external sources that you have used.
* If you fail to meet this threshold level, your work may not be assessed. In addition, you will be referred to the Language Centre for English language support to improve your academic writing for future assessments.