

What the report should contains

So, what do you have to do?

- Get into your teams
- READ THE PROJECT BRIEF DOCUMENT
- Pick a project
- Assign roles for each team member
- Investigate the various technological/engineering options that could meet your needs.
 - Efficiency
 - Cost (construction, maintenance, decommissioning)
 - Impact (human, environmental etc.)
 - Sustainability
 - Ease of construction
 - Location of construction
 - Planning approval / local council regulations
- Produce a report based on your investigation - A report that takes into account all of the factors above and presents the most logical solution to the engineering challenge.

这个是老师的要求,我们找材料的时候应该找这7方面的材料:

This is the teacher's requirement. When we look for materials, we should search for materials from these 7 aspects:

efficiency

cost

impact

sustainability

Plan to 17 March

还是先找材料,但是我们每周就是开会看看大家找的材料确保最后大家找的材料是可以使用的,没有做无用功.

We should still start by looking for materials, but every week we will have a meeting to review the materials that everyone has found to ensure that the materials are useful and that no effort has been wasted.

School Library

这是图书馆官网的网址我们可以在上面查找我们需要的材料.当然其他网站的资料也可以.

This is the website address of the library's official website where we can search for the materials we need. Of course, we can also use materials from other websites.

[University of Glasgow - MyGlasgow - Library](#).

Report Requirements

7.0 Final Report Guidance

The page limits are strict. **Anything over the limits will not be read. You will also lose marks if you go over the page limits.** The minimum font size is Arial 11 pt and margin size is 2.54 cm. The report should contain the following:

- Title page, which must contain the team number and list of group members, their matriculation numbers and team roles.
- Executive summary: **strict two-page limit**
- The report: **strict 30-page limit**, including contents list and references.
- Appendices (optional): strict 15-page limit. They are for supporting material only e.g. details of a calculation summarised in the main text. You should not put vital points in an appendix.

Below are some tips specific to the report for this project. Further support and advice are available from the *Writing for Results* Moodle site.

- Be sure to devote most space to the most important points. You need to cover all the main issues at least briefly and discuss the more important ones in slightly more detail. If you provide a lot of details about something which is not particularly important, you may not be able to cover all issues or provide sufficient details about important issues. In deciding what goes in the report you need to think about what will produce the best report, not try to get as much space as possible for your part of the work.
- Each of your points should be justified and explained. For example, why did you choose a particular technology for the project? Any assumptions made in the project should be justified in the report. The body of the report should contain only a summary of the justification, including a brief overview of any calculations you made, possibly in the form of a table. Supporting material, including detailed calculations, should go in an appendix.

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- Some important conclusions will depend on poorly known data. For example, if you choose to work out a financial return this may depend on interest rates, which are unpredictable over the lifetime of a major project. You should therefore carry out a sensitivity analysis of any outcomes which are dependent on uncertain data e.g. how the outcomes vary with the interest rate.
 - There are a number of different ways of organising writing the report. Since each team member has a particular responsibility you may decide that each team member should write the section(s) related to their responsibilities. You then need to leave sufficient time to merge all the sections into a coherent document.
 - You also need time for proof reading, checking for errors, making sure everything makes sense and that the style is consistent. Someone other than the team member who combined the sections into a single document should preferably do the final proof reading.
 - Graphics are an effective way to illustrate points and should be referred to in the text. They need to be big enough and of sufficiently good quality to be easily understood. Graphics that need a microscope to be easily read should be enlarged to removed.

7.0 最终报告指南

页数限制很严格。**超过限制的内容将不被阅读。如果你超过了页数限制，你也会被扣分。**字体最小为Arial 11pt，边距为2.54cm。报告应包含以下内容。

- 标题页，必须包含团队编号和小组成员名单，他们的预科编号和团队角色。
- 执行摘要：**严格的两页限制**
- 报告：**严格的30页限制**，包括内容清单和参考文献。
- 附录（可选）：严格限制在15页内。它们仅用于支持性材料，例如，在正文中总结的计算细节。你不应该把重要的观点放在附录中。

以下是针对本项目报告的一些提示。进一步的支持和建议可从*Writing for Results* Moodle网站获得。

- 请确保将大部分空间用于最重要的观点。你需要至少简要地涵盖所有的主要问题，并对更重要的问题进行稍微详细的讨论。如果你对不是特别重要的事情提供了很多细节，你可能无法涵盖所有的问题或对重要问题提供足够的细节。在决定报告中的内容时，你需要考虑什么会产生最好的报告，而不是试图为你的部分工作争取尽可能多的空间。
- 你的每一个观点都应该被证明和解释。例如，你为什么为该项目选择了一项特定的技术？项目中的任何假设都应在报告中说明理由。报告的主体应该只包含对理由的总结，包括对你所做的任何计算的简要概述，可能以表格的形式。支持材料，包括详细的计算，应放在附录中。
- 一些重要的结论将取决于不为人知的数据。例如，如果你选择计算财务回报，这可能取决于利率，而利率在一个重大项目的生命周期内是不可预测的。因此，你应该对任何依赖不确定数据的结果进行敏感性分析，例如，结果如何随利率变化。
- 有许多不同的方法来组织撰写报告。由于每个小组成员都有特定的责任，你可以决定由每个小组成员来写与他们的责任有关的部分。然后，你需要留出足够的时间，将所有的部分合并成一份连贯的文件。
- 你还需要时间进行校对，检查是否有错误，确保一切都有意义，风格一致。除了将各部分合并成一个文件的团队成员外，最好有其他人做最后的校对。
- 图形是说明观点的有效方式，应在文中提及。它们需要足够大，质量足够好，以便于理解。需要用显微镜才能轻松阅读的图形，应放大后再删除。

不想看英文文档？

可以把找到的英文文档发给我,我开了翻译网站的会员可以给大家翻译成中英文对照版本的.

Report Content Lists [To be changed]

Title Page 封面页 1 Page

Executive Summary 1 - 2 Page

Content Tables 目录 1 - 2 Pages

Absract / Introduction 摘要 ? 是不是和 Executive Summary 一样?

Improve Energy Efficiency 7 Pages

- Improve the efficiency of eletric energy utilization

 - How to do

 - Advantages

 - Chanllenges

- Increase the cable cross_sectional area

 - How to do

 - Advantages

 - Chanllenges

- Increase Power Factor

 - How to do

 - Advantages

 - Chanllenges

Promote Renewable Energy 7 Pages

- Solar Power

 - How to do

 - Advantages

 - Chanllenges

- Wind Energy

 - How to do

 - Advantages

 - Chanllenges

Engineering Challenge 7 Pages

- Challenge_1

 - Whats it is

 - How it rise up

 - How to deal with it

Challenge_2

Whats it is

How it rise up

How to deal with it

Conclusion 1 to 2Pages

Appendix 附录