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# Consulting Engineering Regina Engineering Competition

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## Team Composition

The Consulting Engineering team will be comprised of four competitors. All members of team must be a student enrolled in the Faculty of Engineering at the University of Regina.

## Procedure

### 1. Presentation of Problem

The problem must be presented to all competitors and judges at the beginning of the competition. The competition director must provide detailed explanations of what is expected from the competitors, both orally and in writing.

Competitors have fifteen (15) minutes to ask the competition director any questions they may have. This takes place during the competition briefing, after the presentation of the problem.

### 2. Development of the Solution

The teams will have three to five (3 - 5) hours to develop their solution, produce all required deliverables, and prepare their presentation for the judges. All the deliverables must be submitted to the competition director before the allotted time expires. Competitors may finish before the end of the allotted time.

### 3. Presentation and Tests

Competitors will have a maximum of 20 minutes to present their solutions. All team members must be present and participate in the presentation or be penalized by the judges. Judges then have a maximum of 10 minutes to ask questions. Judges can ask a question at anytime during the presentation. The clock should be stopped during these interruptions.

## Deliverables

Each team is required to submit, electronically, before the end of the design period, a report of 5-10 pages (not including appendices) and a presentation detailing their proposed solution. The report will be made available to the judges before each team's presentation. The requirements of the presentation will be outlined in the problem design package.

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## Team #0

Team Member #1

Team Member #2

Team Member #3

Team Member #4

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## Overview

The purpose of the Consulting Engineering competition is to challenge competitors to design a detailed solution to a large-scale engineering problem. The proposal must be made in a way that promotes the solution to potential customers (in the form of judges). Competitors must demonstrate resourcefulness while acting in good faith with the spirit of the competition.

## Resources

### Facilities Required

- 1 amphitheater (presentations)
- 1 workroom per team (design)

### Equipment Provided

#### During Solution Development

- Wireless Internet access
- Some information relevant to the design problem
- Digital storage to submit presentation

#### During Presentation

- 1 digital projector
- 1 computer with presentation preloaded
- White board(s) or blackboards

#### Equipment that may be brought

- Any textbooks, course notes or other reference material
- Up to three extra laptops (to make a total of four laptops)
- Custom presentation templates

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## Assessment and Judging

- The panel must have an odd number of judges.
- The panel must a minimum of three (3) judges.
- The assessment shall be carried out in the audience's presence.

## Judging Matrix

<b>Solution</b>	<b>55%</b>	<input type="text"/>
Addresses problem statement		
Environmental, social, and economic analyses		
Technical feasibility		
Real-world applicability		
Technical Innovation and Creativity		
<b>Report</b>	<b>20%</b>	<input type="text"/>
Clarity, writing style and professionalism		
Deliverable compliance with expectations		
<b>Presentation</b>	<b>25%</b>	<input type="text"/>
Visual aids		
Voice, articulation and timing		
<b>Insufficient Resource Citations</b>	<b>-50%</b>	<input type="text"/>
<b>Total</b>	<b>100%</b>	<input type="text"/>

Judge's Name.....

Notes

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