



Zeton Plant Design Competition

The Canadian Society for Chemical Engineering offers the Zeton Plant Design Competition for students enrolled in undergraduate chemical engineering programs at Canadian universities. Teams of undergraduate students present a plant design project, usually based on a project carried out in final year, but not restricted to this.

Deadline

July 31 every year

Sponsor

Zeton Inc.

Award

- The winning team will receive a cash award of \$1,000.
- The second-place team will receive a cash award of \$500.
- Each member of the top three teams will receive a certificate.

Eligibility

- Individuals and groups of undergraduate students must be registered in chemical engineering programs in Canadian universities during the academic year.
- As most design projects are carried out in the final year courses, recent graduates are also eligible to apply.
- To minimize the number of projects to be judged, each chemical engineering program may only submit one entry.

Note

There is no limit on the size of the team.

Judging

The competition is judged entirely at the Canadian Chemical Engineering Conference in the following two stages:

- **The first stage** is a poster competition during the conference's Welcome Reception on Sunday, where all teams set up and present their posters as per Instructions for Presenters on the conference site. Typically, judges spend 10-15 minutes with each team to ask questions. The top three teams are announced on the same night.
- **The second stage** is an oral competition on Monday, where each of the top three teams from the poster competition is asked to give a 30-minute oral presentation (including answers to questions) about their project to a panel of judges.

Application Requirements

- Applicants must be student members of the CSChE.
- The application must be submitted in electronic format to awards@cheminst.ca, and must include the following:
 - **A letter from the head of the department** indicating that the information is not confidential
 - **A list of students** who performed the work along with their permanent addresses, and email addresses
 - **An executive summary of the project** including a simplified flow sheet of the process
 - **A copy of the final report** submitted to the university at the end of the project
 - Names of any collaborating organization/engineers who assisted the students

Application Requirements (Continued)

- **List of arguments** (maximum two pages) from the submitting Professor/Department stating the reasons the project
 - is above level of expectations in terms of quality and/or complexity, and
 - contains elements of creativity or novelty
- **Statement of the initial information provided to the students** (maximum two pages) from the submitting Professor/Department
- **Statement about the plant design project** (maximum two pages) from the submitting Professor/Department indicating if the designed plant is
 - an improvement/expansion of an existing plant?
 - a new plant, and whether or not similar or identical plant exists?
- **Required knowledge and/or work** exceeding the expected level of undergraduate chemical engineering students.