

INTERNSHIP: PARTICIPATION IN A ZETON PROJECT (HBO AND WO)

Zeton company profile

As the world's leading designer and builder of innovative lab scale systems, pilot plants, demonstration plants, and small modular commercial plants, Zeton helps its customers to bring their new technology and processes to market, faster, with less risk, and lower cost. The plants are modular/skid mounted. Zeton projects include conceptual design, basic and detail engineering, manufacturing, factory testing, transport, re-assembly and testing at the client's site.

With operations in Burlington, Canada and Enschede, The Netherlands, Zeton has successfully completed over 800 projects in 35 countries across six continents. The location in Enschede has over 170 employees and serves mainly Europe, Africa and the Middle East.

Zeton has three product groups: Zeton Lab and Pilot Systems, Zeton Pharma, and Zeton Demo and Production Plants.



Zeton plants are (mostly) first of a kind and based on challenging client requirement. To fulfil these requirements, Zeton engineers need to make an optimum (process) design, use specific pilot plant solutions and come up with solutions for new challenges. Furthermore, the engineers need to have expert knowledge to find and select suitable equipment, valves and instruments.

Websites: [Zeton | The World Leader in Pilot Plant Design and Fabrication](#) | [Werken bij Zeton | REALIZE THE FUTURE](#)

Assignment

The internship assignment is to participate in an engineering and construction project as a process engineer for small to medium scale pilot plants. During the assignment you are part of the project team and will be assigned different project tasks which need to be carried out independently (but under supervision).

Below a description of typical activities is given. This list is not conclusive. During an internship a number of these activities will be performed depending on the project phase.

- Perform engineering calculations, e.g.:
 - Line size calculations.
 - Relief valve calculations.
 - Heat exchanger calculations.
- Participate in project meetings.
- Participate in safety assessments.
- Specifying and procurement of various process components (equipment, instruments, in-line appendages, etc).
- Participate in testing:
 - Write test protocols for the factory acceptance test.
 - Perform completeness checks while the plant is in construction.
 - Perform functional tests, report possible problems/punches and find solutions.

Duration

The duration of the internship is to be determined.

Education

Studies related to process engineering.