

## Installation Engineer

Within Edvance's Engineering and Works Department (DIT), the Installation Department carries out the engineering studies required for the installation of structures, systems and components for nuclear islands in PWR-type power plants, contributing to projects in France and abroad.

It is responsible for creating the 3D model and is in charge of coordinating and designing the model at the various stages of the projects, ensuring that the components are properly installed.

It takes into account, at the design stage of the installations, the requirements associated with the nuclear sector (attacks, radiation protection, human factors, etc.) thanks to an awareness of the guidelines to be applied and close collaboration with other Edvance departments.

It produces interface data to support other departments (civil engineering, contracts, piping, systems, etc.).

It is in contact with the site to process feedback from the ground and to consider any necessary adaptations and modifications.

Within the department, the Installation Engineer's role is to research and implement the optimum technical solutions for the installation that meet the various requirements (process, safety, constructability, maintenance, accessibility, etc.).

He/she carries out General Installation studies or Installation Studies in a specific field (electricity, HVAC, piping) and coordinates with other Edvance departments to provide/receive the necessary input data.

He/she defines the modelling to be carried out and supports and coordinates the work of the designers.

He/she contributes to the discussions to improve the PDMS 3D model by participating in the development of new tools and by considering the use of as-built surveys (3D scan, panoramic photographs, etc.).

He/she prepares technical documents relating to his/her area of activity (installation reviews, study reports, summary notes, etc.).

He/she monitors the deliverables associated with his/her area of activity.

On a day-to-day basis, his/her activity consists of participating in technical meetings with team members and designers, exchanging information with the other departments involved in the project (design and construction departments, etc.), monitoring the deliverables associated with the building in accordance with the project deadlines and providing a report to the project management.

### The profile of Installation Engineers:

- **Generalist Engineer or proven experience in installation (Design Office and/or on site)**
- **Practical awareness and ability to synthesise**
- **Interest in projects in France and abroad.**
- **Good interpersonal skills and a liking for teamwork.**

## Installation Designer

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It takes into account, at the design stage of the installations, the requirements associated with the nuclear sector (attacks, radiation protection, human factors, etc.) thanks to an awareness of the guidelines to be applied and close collaboration with the other Edvance departments.

It produces interface data in support of other departments (civil engineering, contracts, piping, systems, etc.).

It is in contact with the site to process feedback from the ground and to consider any necessary adaptations and modifications.

Within the department, the Installation Designer researches and implements the optimum technical solutions for the design and construction of a building, ensuring that the Installation Rules are applied. In particular:

He/she designs the model of the civil engineering structures, the positioning of mechanical and electrical equipment, the layout of piping and cable ducts, at the level of detail required according to the progress of the project.

He/she carries out modification studies

He/She monitors the suppliers' drawings, ensuring consistency with the model and checking for discrepancies.

He/she integrates the materials and equipment into the model by modifying them according to the final data specified in the plans and according to the feedback from the construction sites.

He/she contributes to the discussions to improve the PDMS 3D model by participating in the development of new tools and by considering the use of as-built surveys (3D scan, panoramic photographs, etc.)

He/she works with PDMS, Autocad and Naviswork tools.

### The profile of Installation Designers:

- **DUT/BTS, Pro Degree or Pro Bac, with experience in the field**
  - **Experience in a Design Office and/or on site**
    - **Ability to work in a team**