

Mechanical Design Engineer

Our role

Within Edvance, the Piping and Valve Design Department (CTR) is the technical skills centre for the design of piping installations and the supply of valves and piping materials for all new nuclear projects in France and abroad. The department's role consists of:

- Designing the piping systems for nuclear islands.
- Specifying and overseeing the technical management of piping and valve contracts.
- Producing mechanical designs using computers.
- Managing the Valves and Piping activities for Edvance.

Within the CTR Department, the Mechanical Design Engineers carry out studies to determine the dimensioning of piping networks (piping, supports, special parts) with regard to the various loads to which the installations and equipment are subjected. The studies are multifaceted: flexibility calculations, fatigue and fracture analyses, finite element calculations, design office management.

A Mechanical Design Engineer assists in the design of piping installations for nuclear power plants.

He/she works with various Edvance engineering departments: Piping design, equipment, systems, Civil Engineering, etc.

Mechanical design engineers use design and digital simulation tools on a daily basis.

Piping Design Engineer/Technician

Our role

Within Edvance, the Piping and Valve Design Department (CTR) is the technical skills centre for the design of piping installations and the supply of valves & fittings and piping materials for all new nuclear projects in France and abroad. The department's tasks consist of:

- Designing the piping systems for nuclear islands
- Specifying and overseeing the technical management of piping and valve contracts.
- Producing mechanical designs using computers
- Managing the Valves and Piping activities for Edvance.

Within the CTR department, the Piping Design engineers/technicians carry out and coordinate the detailed design of the piping for nuclear islands and the associated supports using a digital model: 3D design, production of plans, management of the design office.

A Piping Design Engineer contributes to the design of piping installations for nuclear power plants.

He/she works with various Edvance engineering professions: general installation, equipment, systems, etc.

Piping design engineers work with a digital model of the projects on a daily basis.

Valves & Fittings Contract Engineer

Our role

Within Edvance, the Piping and Valve Design Department (CTR) is the technical skills centre for the design of piping installations and the supply of valves & fittings and piping materials for all new nuclear projects in France and abroad. The department's tasks consist of:

- Designing the piping systems for nuclear islands.
- Specifying and overseeing the technical management of piping and valve contracts.
- Producing mechanical designs using computers.
- Managing the Valves and Piping activities for Edvance.

Within the CTR department, the Valves & Fittings Contract Engineers assist in the drafting and monitoring of supply contracts for the valves and fittings for nuclear islands. The role involves drafting technical specifications, monitoring the progress of contracts, and carrying out the technical supervision of suppliers in accordance with the requirements of quality, cost and deadlines.

A Valves & Fittings Contract Engineer contributes to the design, procurement and certification of valves and fittings for nuclear power plants.

He/she works with various Edvance departments: safety, equipment, systems, purchasing, etc.

Piping Contract Engineer

Our role

Within Edvance, the Piping and Valve Design Department (CTR) is the technical skills centre for the design of piping installations and the supply of valves and piping materials for all new nuclear projects in France and abroad. The department's tasks consist of:

- Designing the piping systems for nuclear islands
- Specifying and overseeing the technical management of piping and valve contracts.
- Producing mechanical designs using computers.
- Managing the Valves and Piping activities for Edvance.

Within the CTR department, the Piping Contract Engineers assist in the drafting and monitoring of contracts for the supply, prefabrication and assembly of piping for nuclear islands. The role involves drafting technical specifications, monitoring the progress of contracts, and carrying out technical supervision of suppliers in accordance with the requirements of quality, cost and deadlines.

A Piping Contract Engineer assists in the design, procurement and manufacture of piping installations for nuclear power plants.

He/She works with various Edvance engineering departments: Piping design, equipment, systems, purchasing etc.