

professional opportunities in **eni**
for **chemical engineers**



eni corporate university

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process technologist

Technological support in the effective management of plants. Monitoring of the main operating parameters of the plant to check they meet peak operating conditions. Control tests on the operating running conditions of plants and prefeasibility analysis of technological improvement actions identified on the plant and assisting with the preparation of investment budgets. Basic processing, WBS system integration (Work Breakdown Structure), monitoring timescales with the company departments involved. Support operating functions during the start up and fine-tuning stages of plant modifications, ensuring technical consistency with project documentation.

process engineer

Designing and identifying the best technical solutions regarding hydrocarbon treatment processes in order to maximize recovery over the entire life-cycle of plants within the restraints of HSE and plant operability. Preparing process simulations (hydraulic studies, material & energy balances, studies of specific processes) data sheets and process specifications, preparing PFD & P&IDs, drafting of plant operating manuals, liaising with other specialist units involved in project execution. Participating in the main project reviews e.g. P&IDs and HAZOP. Detail and construction engineering activities during the plant's start up phase.

research & development

Optimization of operational and productive cycles of petrochemical plants. Designing pilot equipment to study the transformation processes of compact and/or expandable polymers. Participation in technological and methodological update projects on polymer transformation processes, design of the proprietary and critical equipment of plants through thermodynamic and fluid dynamic modelling and calculation. Providing specialist process technology support through the implementation and development of appropriate chemical-physical, kinetic and thermodynamic models. Research on the correlation between the various transformation parameters used and the end properties of the product or semi-finished product, preparing technical reports on the actions taken.

specialist materials engineer

Developing and disseminating know-how in the field of characterization and classification of materials for use in corrosive environments, ensuring the definition, distribution and updating of appropriate standards, regulations, best practice and specialist support software; providing specialized services to the project team for the choice of mitigation techniques using chemical products and/or base materials and corrosion monitoring systems. Designing new, higher performing materials that are more reliable and corrosive resistant, lighter and more economic. Developing new chemical products to control corrosion and put in place more reliable methods to monitor corrosion and assess asset integrity.

safety engineer

Technical support for site HSE problems including the preparation and verification of HSE plans and procedures. Site HSE audits and training activities and provision of information for employees and contractors at head office and on site. HSE support during the prequalification phase and presentation of bids to customers, processing of HSE statistical data, liaison with customers, subcontractors and other company offices.

environmental health & safety engineer

Identifying the best technical and organisational solutions to best guarantee health and safety and to safeguard the environment; promoting the application of an integrated system for prevention, enforcement and monitoring in the Division; providing specialist services and ensuring the necessary skills are made available to unit managers or project managers in order to define the environmental safety and quality aspects of activities under their responsibility.

risk assessment engineer

Operating in various fields: finance, internal audit, HSE and within engineering and construction projects. Using risk assessment techniques to predict high risk areas/situations for processes or projects, in order to activate prevention systems to address financial risks, decision risks and those linked to the safety of people, plant and the environment.

production engineer

Overseeing serviceability and maintenance of plants and equipment in accordance with defined standards; coordination of information/data collection for work carried out on operating plants; definition of performance indicators for production plant and monitoring of trends in order to identify any variances in relation to business targets.

drilling engineer

Coordination, management and execution of specialist studies for the design and execution of well drilling and completion activities, defining the best technical solutions in relation to the company's business plans. Coordination and management of support activities and services required to develop well projects, according to criteria for excellence both in the technology employed and the adopted solutions existing on the market. Managing and developing company know-how, establishing reference guidelines for the best and most advanced engineering solutions, for application to oil well drilling and completion activities, to ensure company competitiveness at an international level.

reservoir engineer

Responsibility for company know-how in the field of static and dynamic reservoir modelling, reservoir management, advanced recovery processes and development of subsidence models; application of the methodologies developed to analyse reservoirs in order to monitor the performance of technologically innovative reservoir projects.

production optimization engineer

Overall responsibility for techniques used to optimize hydrocarbon production from wells and reservoirs; evaluating production parameter trends for production projects, using feedback data from the Geographical Units, identifying possible causes of variances from expected performance per the reservoir research analysis and indicating solutions.

commissioning engineer

Supervising field activities during the plant commissioning and start-up period for all plant units, ensuring prestart-up and start-up activities are properly defined and executed in accordance with contractual and technological constraints. Managing the work team, planning and organizing activities to achieve project objectives on time and within budget. Working with process and technical units to ensure proper transfer of technology requirements. Managing prestart-up and start-up activities together with yard management staff for the delivery of the plant to the end client. Preparing prestart-up and start-up project documents. Participating in important project reviews e.g. P&IDs and HAZOP.

quality system engineer

Management of the Quality System. Advice to operational lines on the maintenance and development of required quality standards for processes and projects. Management of the Quality System includes analysis of organisational processes, making recommendations to improve processes, definition of quality standards (KPI), performance of internal audits for verification purposes and liaison with external certification bodies.

painting and coating engineer

Technical engineering activity with special emphasis on the design, construction and monitoring of metal structures. Definition from an engineering point of view of coating materials and procedures for onshore and offshore metal structures, to guarantee quality, safety and resistance to corrosion.

lubes technical support

Commercial office support for the full range of technology applications in the lubricant sector for automotive and industrial oils, acting as intermediary with distributors and direct sales agents. Supporting the sales team in liaising with the automobile industry, engine manufacturers, component suppliers and developers regarding specific product requirements and future market trends. Preparation of technical documents regarding product safety in accordance with legislation.

raw materials & petroleum products supply

Supply of products and raw materials to meet commercial and production needs; participation in the negotiation and drafting of contracts for the purchase, sale and trade-off of standard refining products and components; monthly stock control.

note: the job opportunities listed are open to both men and women, in line with equal opportunities legislation.