

**The courage to aim high.  
The freedom we need to achieve.  
That's Messer. That's our way.**

Are you not easily satisfied? Do you never want to stop learning? Would you thrive on being given the freedom you need to achieve, whilst focusing on the essentials? Are you looking for an open dialogue with colleagues? You'll find the space you need at Messer.

Due to the steadily growing business and the expansion of our portfolio, the Research & Development (R&D) group (part of our Engineering Division) in **Krefeld** (near Düsseldorf, Germany) is looking for an experienced

## **Senior Design Engineer (m/f/d) / for Air Separation Units**

**Reference no.: 06EK/2023**

The engineering department of our company handles the development and construction of plants for the production of technical and medical gases as well as for the production and use of "green hydrogen".

This involves projects of various sizes on an industrial scale with investment volumes of up to €100 million.

### **Your responsibilities:**

- Identification of operational and/or design potentials in Messer industrial gas production plants world-wide.
- Evaluation of the current state of the art and technology and development of concepts and designs for main equipment in new build plants.
- Technical specification, configuration, design and review of main components/equipment within cryogenic air separation units (ASU), with an emphasis on the optimization of known designs and further development, chiefly of heat exchanger equipment as well as distillation columns.
- Interfacing with our suppliers world-wide in R&D projects and monitoring of manufacturing quality.
- Cooperation with the Subject Matter Experts (SMEs) and the Project Leaders in our Engineering Division and our local subsidiary companies to ensure correct and timely implementation of new equipment in plants, and participation in commissioning activities.
- Follow-up, troubleshooting and evaluation of equipment after commissioning.

### **Your skills:**

You have an engineering background with a degree in process and/or mechanical engineering, or equivalent qualifications. You have at least five years' experience in the industrial gas or specialty gas sectors, either in plant operations, technical development or design and engineering.

In addition you have:

- Experience in the design and configuration of cryogenic air separation units.
- Understanding of the thermo- and fluid dynamics of distillation and heat transfer.
- Sound understanding of mechanical construction schemata and drawings and piping and instrumentation diagrams.
- Fluency in written and spoken English, good German language skills desirable.
- Willingness to travel (approx. 20%).
- Schengen-area work permit/visa or citizenship.
- Ability to work in a team, high flexibility and intercultural competence with international teams.

### **Why us?**

We offer an interesting and challenging position in a great team within an internationally successful and economically strong and stable company. You work in a professional, motivated team that appreciates commitment and initiative and supports your development and training. A permanent contract, attractive salary and fringe benefits, **possibility for mobile working, 30 days annual leave, company pension scheme, free parking as well as contributions toward**

public transport tickets and company bikes, cafeteria and modern offices in an attractive location are part of this offer.

### Your application

We kindly ask you to send your complete application documents **in English or German**, indicating the above-mentioned position/ref.no. and your earliest possible starting date by e-mail to:

[recruiting.co@messergroup.com](mailto:recruiting.co@messergroup.com)

**Messer SE & Co. KGaA** - Human Resources Department - attn. Ms. Nordheim/Ms. Fraumbaum - Messer-Platz 1 - 65812 Bad Soden. Information on the company is available at: <https://corporate.messergroup.com/de/web/guest/home>

Information regarding our data protection policy is available on our homepage at: [data protection notice for applicants](#).

Messer was founded in 1898 and is the world's largest family-run specialist for gases used in industry, environmental protection, medicine, the food and beverage sector, welding and cutting technology, 3D printing, construction, and research and science. Under the 'Messer – Gases for Life' brand, the company markets products and services in Europe, Asia and the Americas. Its 11,300 employees\* collaborate in a family business that focuses on diversity and mutual respect.

In 2022 Messer generated consolidated sales of 4.1 billion\* Euros.

\* Sum of Messer Group and Messer Industries, which includes 100% of the at equity holding Messer Industries.

Messer has signed the Charta der Vielfalt (Diversity Charta) and stands for a respectful and unprejudiced work environment. Mutual trust and respect are keystones of our cooperation.



charta der **vielfalt**

UNTERZEICHNET