

company profile

Mokveld Valves BV provides the gas and oil industry with expert knowledge and highly advanced engineered valve systems for critical control and safety applications.





mokveld's mission

being responsible in engineering valves

At Mokveld, we believe that the world's growing demand for energy can be fulfilled in a sustainable manner. This entails making use of our planet's hydrocarbon resources, especially natural gas, in an environmentally responsible way.

That's why we've made it our mission to produce highly advanced and resource-efficient valve systems available to the gas and oil production, processing and transmission markets. Valve systems, which are based on innovative technology and designed to

- reduce hazardous emissions and noise
- lower total costs of ownership
- improve your production or transmission applications
- increase the safety of your process

We are convinced that our long term ambitions can only be realised if we act in an economically, socially and environmentally acceptable manner. With knowledge and skilled employees at the core of our added value. This is reflected in our continuous investment in the development of our employees, our long term relationships with our key suppliers and partners, and our HSE policy.



our valve experts *developing the best solution for you*

Today, Mokveld employs over 300 people across the world. And wherever our people are based, they can all draw on Mokveld's fifty years' experience in engineering customised valve systems for critical control and safety applications in the gas and oil industry. It's this expertise that enables us to develop the right valve solution for your business. We have created an environment that supports our people's continuing personal development and enables them to operate at the cutting edge of their areas of expertise. This ensures we stay ahead of all the latest developments – professionally as well as technologically.



axial flow

the secret to superior valves

The 'Axial Flow' principle, which we have been using in our valves since 1955, refers to the streamlined, symmetrical and unrestricted flow path between the inner and outer body of a valve. The unique design of Axial Flow Valves offers a wide range of benefits, including large capacity, low noise, low turbulence and reliable operation. What's more, Axial Flow Valves can be used in many different environments, including desert, offshore, subsea and even Siberian conditions – something that is crucial to the gas and oil industry. The expertise we've gained in optimizing flow paths and trim designs for our Axial Flow Valves has also been used in our more traditional Angle Choke Valves.

The Axial Flow Valve systems we offer today are the result of fifty years of research and proven experience in critical applications. But we are not standing still. Mokveld Research and Development Department is constantly responding to our customers' changing requirements, and we are always on the look-out for innovative ways to renew and improve our valves. This way, we can always provide you with Axial Flow Valve systems that are highly advanced, reliable and sustainable.



axial flow valves

customised to your exact requirements

Axial Flow Valves are the preferred solution for critical control and safety applications in the worldwide gas and oil production, transmission and processing markets.

Each and every Mokveld Axial Flow Valve is customised to meet the exact needs of your application. And to guarantee the quality of the valves we supply, all manufacturing is done according to strict international quality standards.

The Mokveld product range

Axial On-Off Valve *typical applications: severe duty on-off (upstream), quick-acting safety on-off (HIPPS), flow line and header on-off, critical isolation, start-up and blow-down*

Axial Control Valve *typical applications: special control, severe duty, anti-surge/recycle control, anti-cavitation, Joule-Thomson*

Axial Check Valve *typical applications: critical compressor or pump protection, severe duty, low pressure drop, anti-water hammer and buried service*

Axial Choke Valve and Angle Choke Valve *typical applications: gas and oil production, water and gas injection, gas lift, Joule-Thomson*

Axial Surge Relief Valve *typical applications: hydraulic pressure surge relief, transmission lines, oil-tanker loading terminals, remote locations*

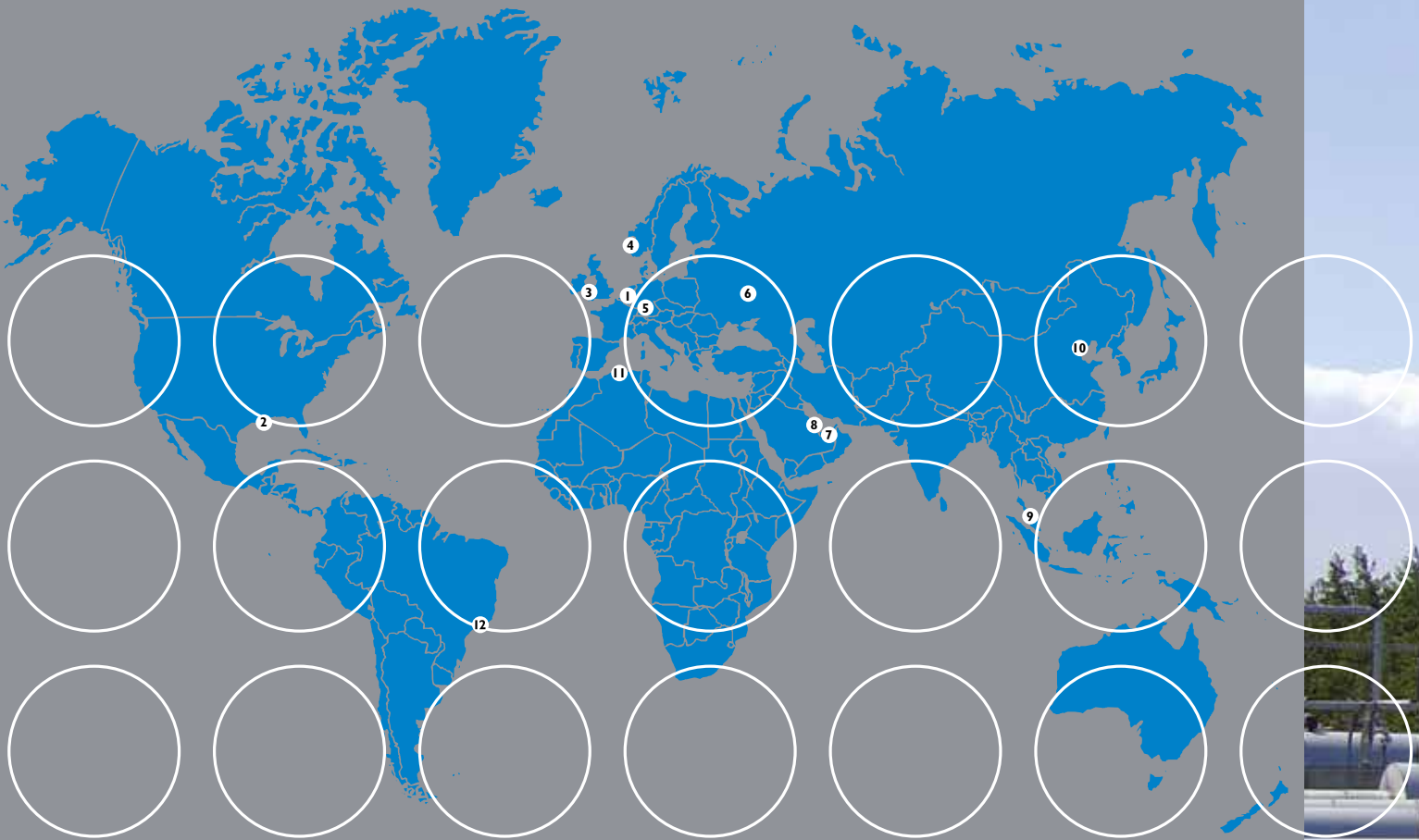


mokveld valves bv

a long and distinguished history

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| 1922 | Mokveld is founded as a small machine repair shop in Gouda by N.J. Mokveld Sr. | 1922 |
| 1947 | N.J. Mokveld Jr takes over the company and turns it into a machine manufacturer. | 1947 |
| 1955 | Mokveld shifts its focus to the manufacture of High-Pressure On-Off Valves based on the Axial Flow principle. | 1955 |
| 1960 | The development of Axial Flow Valves accelerates when Shell EP Netherlands discovers the Groningen Gas Field, and the Axial Check Valve is introduced. | 1960 |
| 1968 | International companies begin to show interest in using our unique Axial Flow Valves for specific critical applications. Mokveld starts to export its valves across the world. This year, the first Axial Control Valves are supplied. | 1968 |
| 1977 | The first High-Integrity Pressure Protection Systems (HIPPS) are supplied to customers. With the further development of this concept, Mokveld makes an important contribution to the safe and sustainable production of the world's gas and oil reserves. | 1977 |
| 1978 | Mokveld pioneers Axial Control Valve technology for angle chokes. The cage-guided Angle Choke Valve is launched on the market and quickly becomes the benchmark for production uptime. | 1978 |
| 1982 | A revolution in erosion control begins with the introduction of the Axial Choke Valve. The first Axial Choke Valves are engineered specifically to handle extremely aggressive fluids with 16% CO ₂ , 25% H ₂ S in API 10,000 pressures. | 1982 |
| 1984 | Mokveld is taken over by the Thyssen-Bornemisza Group, but maintains the same focus and strategy. The company is officially named 'Mokveld Valves BV'. | 1984 |
| 1986 | Mokveld introduces the pilot-operated Surge Relief Valve based on the Axial Flow principle. | 1986 |
| 1990 | Mokveld undergoes significant international expansion in the 1990s, and opens offices in Norway, the Ukraine, Malaysia and Algeria. | 1990 |
| 2006 | With the introduction of its new Angle Choke Valve Mokveld, once again, set the benchmark for production uptime. Based on the Total Velocity Management® concept choke erosion has been reduced with a factor 4. | 2006 |
| Today | Today, Mokveld is a worldwide organisation with more than 50 years' experience in developing engineered valve systems for critical control and safety applications. With a staff of over 300, Mokveld continues to grow. | Today |

global network - supported locally



Mokveld Offices

- 1 Mokveld Valves BV
- 2 Mokveld USA Inc
- 3 Mokveld UK Ltd
- 4 Mokveld Norge AS
- 5 Mokveld Central Europe GmbH
- 6 Mokveld Marketing JV
- 7 Mokveld Valves BV, Middle East
- 8 Mokveld Valves BV, Saudi Arabia
- 9 Mokveld Valves BV, Asia Pacific
- 10 Mokveld Valves BV, China
- 11 Mokveld Valves BV, Algeria
- 12 Mokveld Valves BV, Brazil

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Rio de Janeiro, Brazil

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