

**wey**<sup>®</sup>

# KNIFE GATE VALVES



A SISTAG BRAND



# OUR DEFINITION OF PERFORMANCE



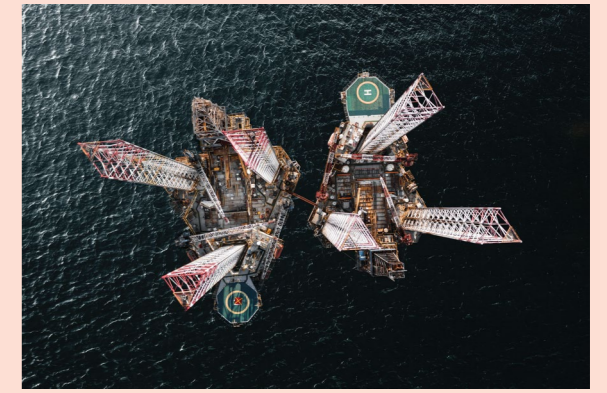
Whether they come in the form of knife gate valves, butterfly valves or water control gates, isolation valves are our expertise. Our experience in engineering, our own production facilities and our excellent manufacturing expertise and know-how in various areas of application make us reliable partners for customers all over the world. This applies equally to all of our product categories. Even under the most severe conditions, Wey valves remain fully functional and bubble-tight over long service lives. We define performance as the highest level of quality, which stands the test of time.

WE'RE AT HOME IN THESE INDUSTRIES

Wherever you use our valves, we're at home in an extremely wide variety of industries. Whether we're working in water treatment, general process industry, mining or power plant construction, we meet the highest demands and can draw on extensive experience in each of the diverse areas of application. We don't think in terms of prefabricated products; instead, we always look for the best possible solution. Because we're not completely satisfied unless you are.



Cement Industry



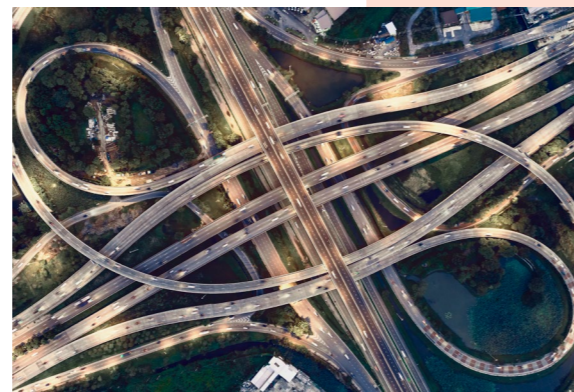
Oil and Gas Production



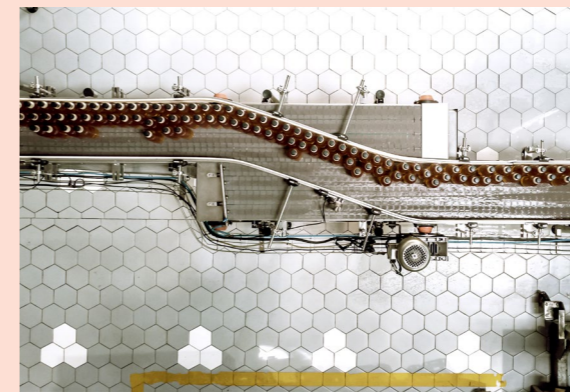
Pulp and Paper Industry



Renewable Energy



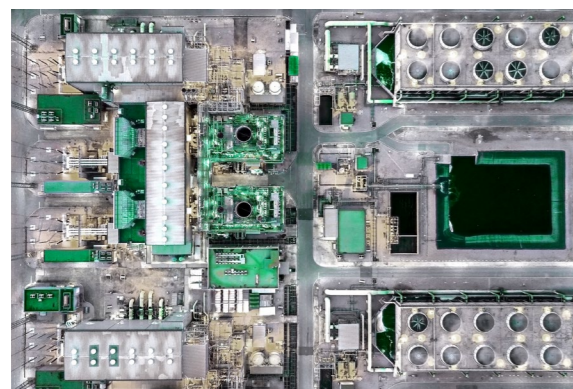
Infrastructure



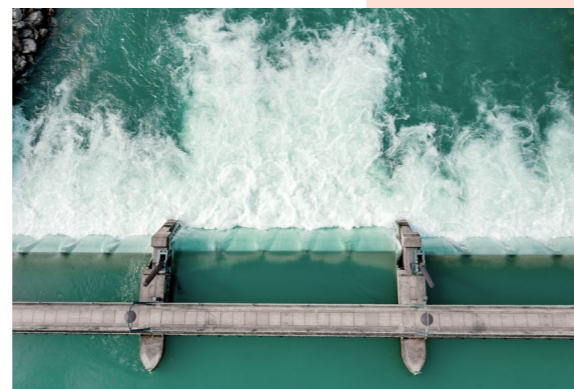
Food and Beverage Industry



Water Treatment



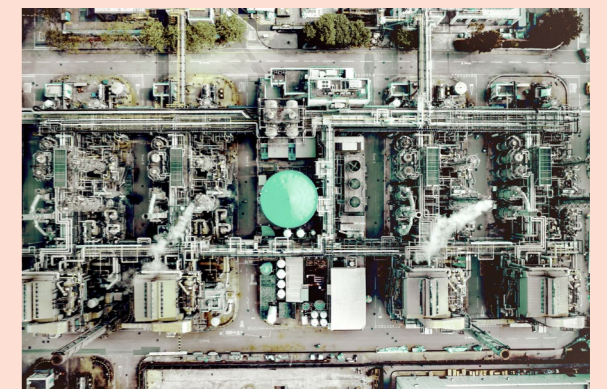
Power Generation



Flood Protection



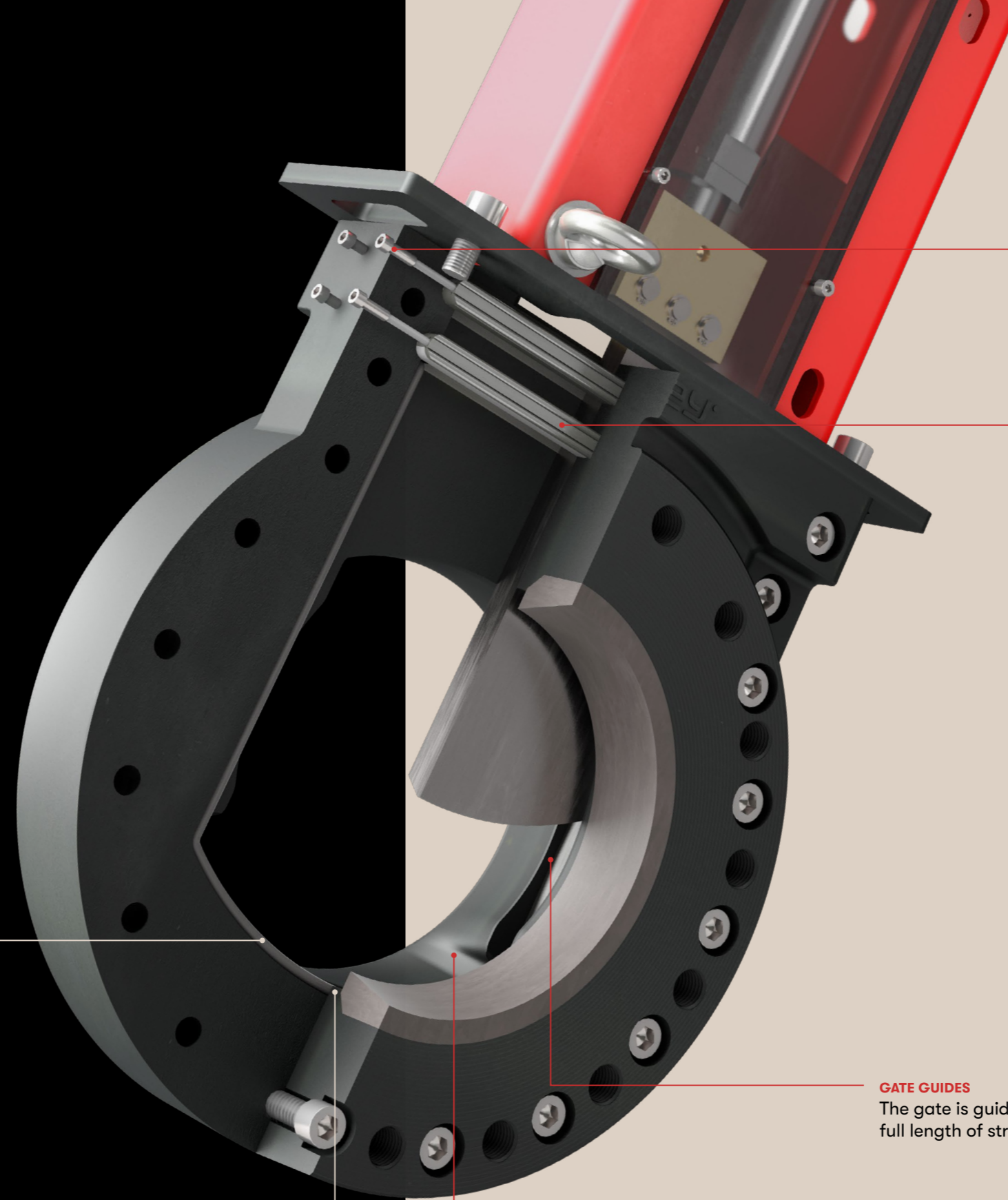
Mining



Chemical and Petrochemical Industry

# THE ORIGINAL SINCE 1956

Wey knife gate valves are equipped with the “Original Wey Design”, our unique sealing system. We’ve continuously developed and perfected this innovation, which had a patent registered in 1956. That’s why our sealing system is still the market leader today. Wey knife gate valves can handle a variety of differential pressure scenarios and abrasive and corrosive materials, not to mention extreme temperatures. You can rely on them even under the most demanding conditions. At all times and for a long time.



**ROUND CORD**  
A mechanically retained round cord seal guarantees zero leakage along the gate edge.

**METAL SEAT SUPPORT**  
The gate is also supported by metal in the closed end position.

**REPACKING**  
The transverse seal can be repacked at any time and under full pressure using the lateral packing screws.

**TRANSVERSE SEAL**  
A unique transverse seal, consisting of a transverse seal profile and sealing compound, ensure that the body is sealed against the atmosphere. The transverse seal design features pressure-supporting scrapers that clean the knife gate, protect the seal profile and thus ensure a longer service life.

**GATE GUIDES**  
The gate is guided over the full length of stroke.

**SELF-CLEANING**  
The optimized gate geometry means solid deposits are pushed out of the knife gate guides and flushed out in the flushing corners in the body by the flow.

WEY DESIGN  
ORIGINAL

FEATURES

**BODY MATERIALS**

**Stainless steel  
Cast iron  
Ductile iron  
Cast steel  
Special materials**

**FLANGE DRILLING**

**EN1092 PN6,  
PN10, PN16,  
PN25, PN40,  
PN63, PN100  
  
ANSI Class 150,  
300, 600**

**PRESSURE RATING**

**10 mbar abs. –  
100 bar**

**BS10-D, BS10-E,  
AS2129-D,  
AS2129-E**

**Special flange**

**NOMINAL SIZE RANGE**

**DN 50 –  
DN 2000**

**BODY STYLE**

**Semi-lug  
Lug type  
Double flange  
Full flange**

**DESIGN**

**Knife gate  
valve  
O-Port gate  
valve**

**FACE TO FACE DIMENSION**

**EN 558 Series 16 / 20  
MSS-SP81  
MSS-SP135 Class 150 short / long  
MSS-SP135 Class 300 short / long  
Special face to face dimension**

**ACTUATOR OPTIONS**



Handwheel



Manual lever



Bevel gear



Pneumatic



Hydraulic





















Electrical

RANGE

The extensive product portfolio consists of various product lines that meet the highest demands of an extremely wide range of industries. Individually configurable and adaptable, they are available in a variety of materials and nominal sizes with different options. So we can find the right solution to overcome any challenge. And we adapt it if necessary.



<b>VN</b> SERIES 	<b>VS</b> SERIES 	<b>VG</b> SERIES 
<b>VL</b> SERIES 	<b>VM</b> SERIES 	<b>MF</b> SERIES 
<b>MG</b> SERIES 	<b>MH</b> SERIES 	<b>W0</b> SERIES 
<b>W1</b> SERIES 	<b>W2</b> SERIES 	<b>W3</b> SERIES 
<b>DB</b> SERIES 	<b>DP</b> SERIES 	<b>HD</b> SERIES 
<b>HSI</b> SERIES 	<b>TI3</b> SERIES 	<b>VK</b> SERIES 



See our website for product specifications

# WE BELIEVE SERVICE IS AN ATTITUDE

---

ASSEMBLY

---

COMMISSIONING & TRAINING

---

MAINTENANCE & REPAIR

---

GLOBAL DISTRIBUTION NETWORK

---

We take quality personally – even when it comes to service. Your satisfaction is our top priority. That’s why, for us, customer relationships begin with the first consultation. And we also provide an aftersales service for you. Our global network of distribution partners means there’s always a qualified expert near you. To answer your questions, to provide maintenance and repair services or even to extend or adapt your system. That’s a promise.



**Contact us to  
discuss your  
individual  
application.  
We show  
solutions that  
work.**

Headquarters

**Sistag AG**

Eschenbach (Switzerland)

Tel. +41 41 449 99 44

rfq@weyvalve.ch

For inquiries in Switzerland and internationally

Subsidiaries

**Sistag GmbH**

Muggensturm (Germany)

Tel. +49 7222 7879 790

verkauf@weyvalve.de

For inquiries in Germany

**Wey Valve Inc.**

Shannon (USA)

Tel. +1 662 963 2020

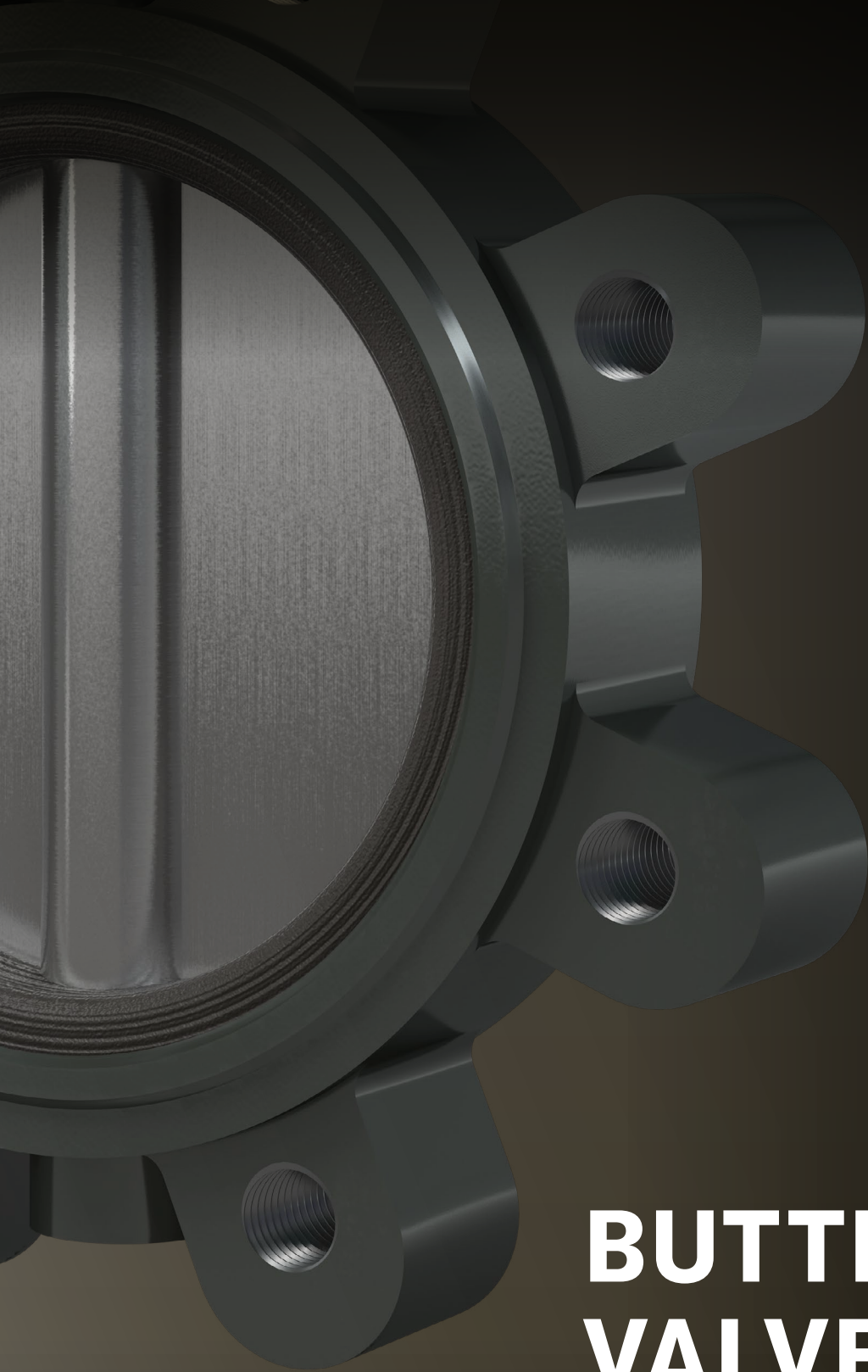
rfq@weyvalve.com

For inquiries in North America



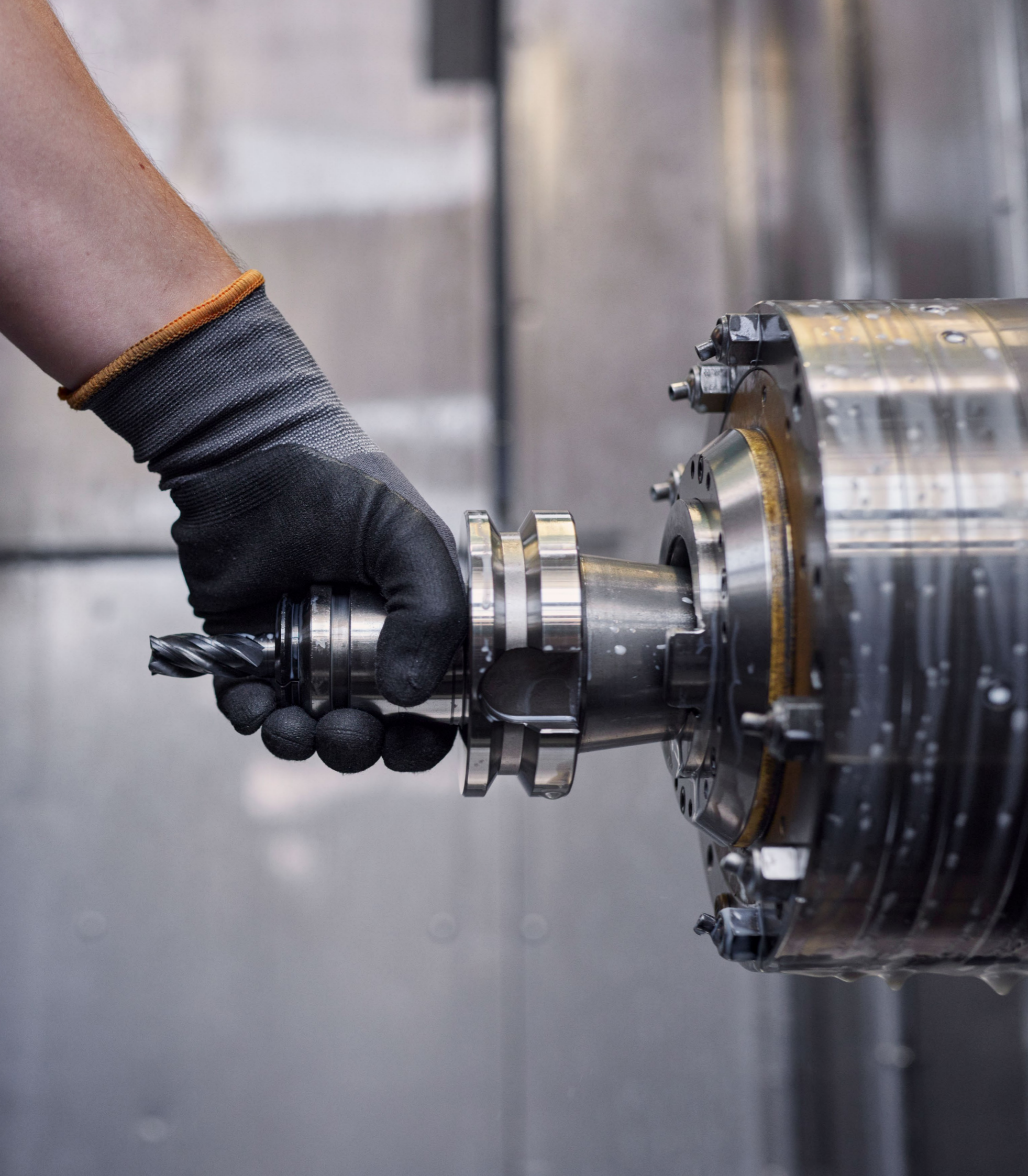


**wey**<sup>®</sup>



# **BUTTERFLY VALVES**

A SISTAG BRAND



# OUR DEFINITION OF PERFORMANCE



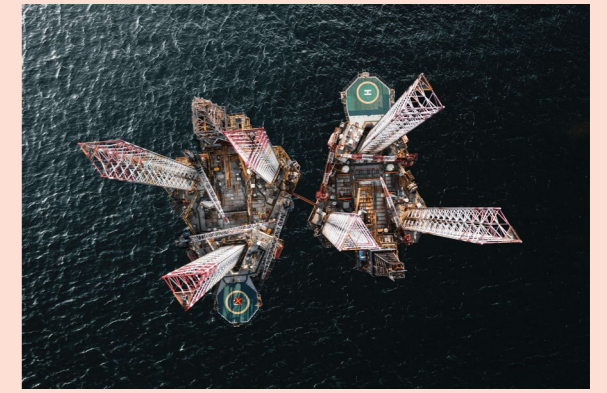
Whether they come in the form of knife gate valves, butterfly valves or water control gates, isolation valves are our expertise. Our experience in engineering, our own production facilities and our excellent manufacturing expertise and know-how in various areas of application make us reliable partners for customers all over the world. This applies equally to all of our product categories. Even under the most severe conditions, Wey valves remain fully functional and bubble-tight over long service lives. We define performance as the highest level of quality, which stands the test of time.

WE'RE AT HOME IN THESE INDUSTRIES

Wherever you use our valves, we're at home in an extremely wide variety of industries. Whether we're working in water treatment, general process industry, mining or power plant construction, we meet the highest demands and can draw on extensive experience in each of the diverse areas of application. We don't think in terms of prefabricated products; instead, we always look for the best possible solution. Because we're not completely satisfied unless you are.



Cement Industry



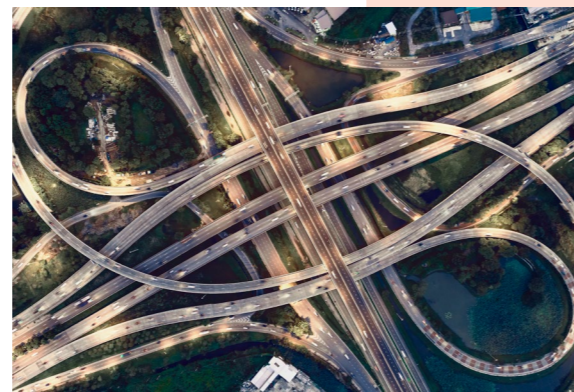
Oil and Gas Production



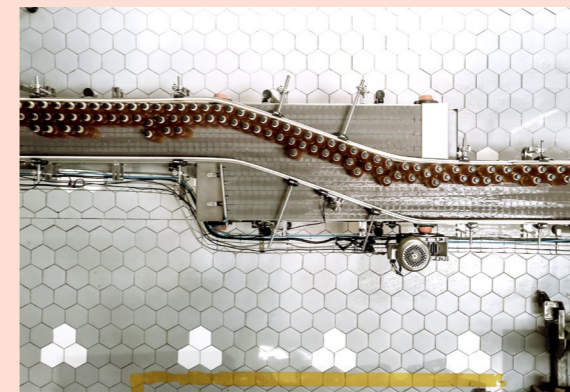
Pulp and Paper Industry



Renewable Energy



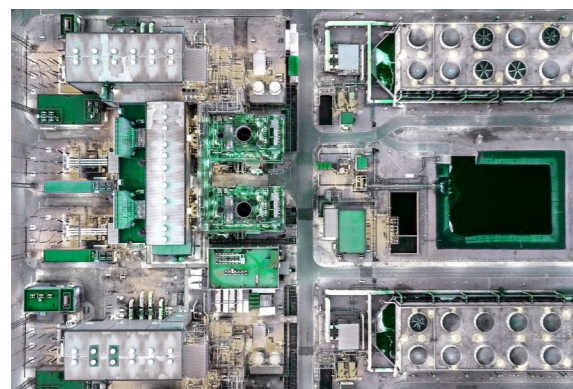
Infrastructure



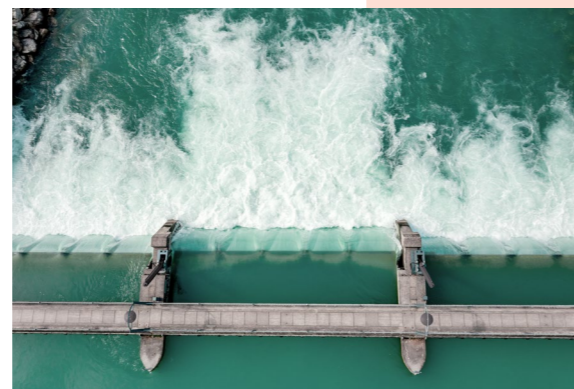
Food and Beverage Industry



Water Treatment



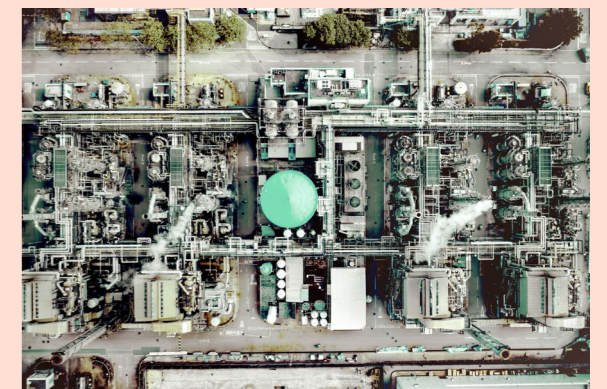
Power Generation



Flood Protection



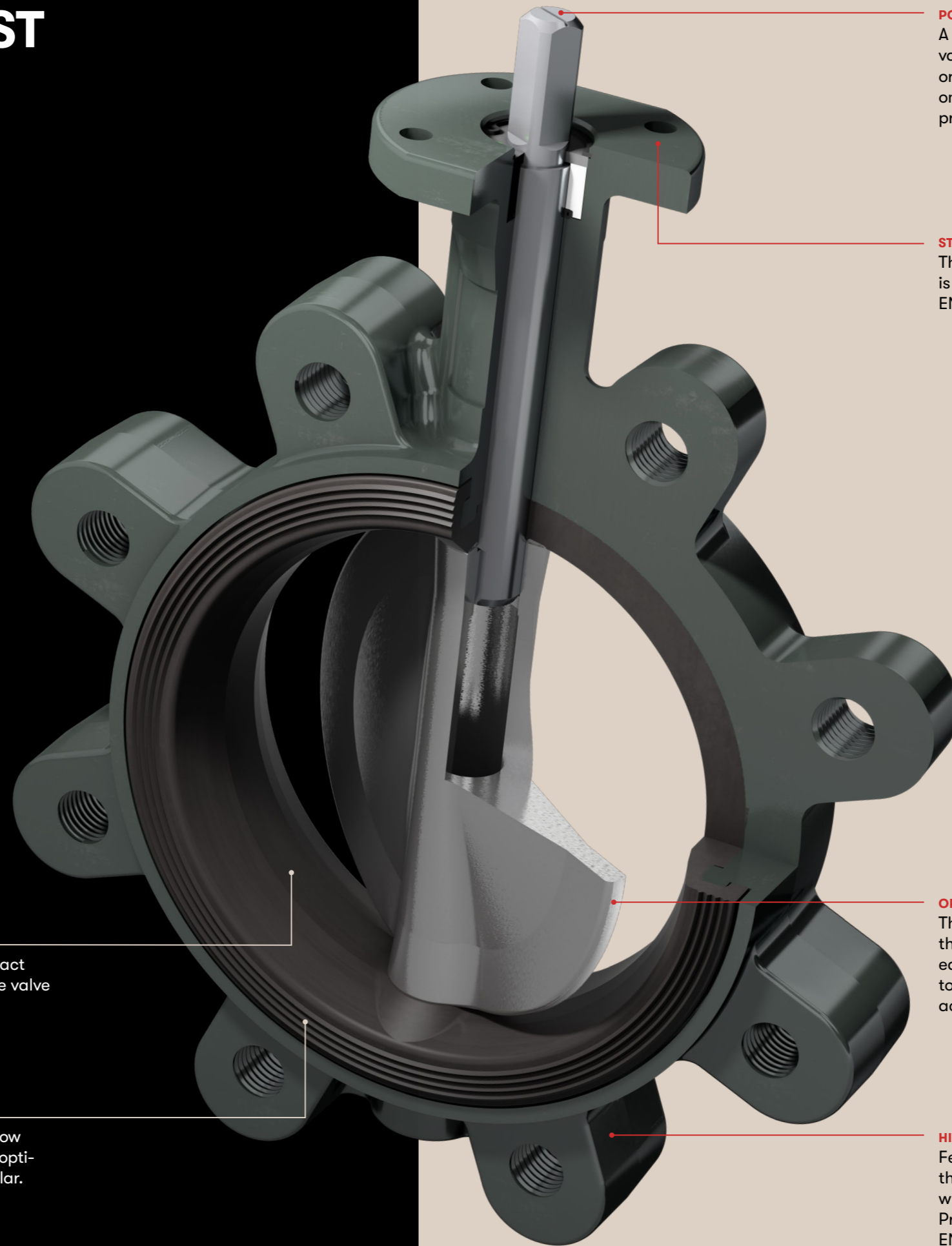
Mining



Chemical and Petrochemical Industry

# ALWAYS RELIABLE – EVEN UNDER TOUGHEST CONDITIONS

Whether they're used in water treatment or industrial processes, Wey butterfly valves work flawlessly and are easy to maintain, even under tough conditions. Both the design and the use of materials are based on many years of technical and practical experience. Available in nominal sizes from DN 25 to DN 1600, in various materials and body types and with different actuators, we can configure Wey butterfly valves to meet any individual requirement. And we're committed to ensuring that they deliver an impeccable and durable performance, even under demanding conditions. That's a promise.



#### POSITION INDICATOR

A mark at the top end of the valve shaft shows the valve disc's position – even with the valve installed or the actuator removed. The shaft is also mounted on bearings and secured with a circlip (blow-out protection).

#### STANDARDIZED ACTUATOR FLANGE

The valve flange for actuators is standardized according to EN ISO 5211.

#### CONTACTLESS

No component comes into contact with the medium apart from the valve disc and the liner.

#### LINER

The liner's fine surface ensures low torques. Sealing lips guarantee optimum flange tightness at the collar.

#### OPTIMALLY ADAPTED

The spherical valve disc is adapted to the liner geometry and has polished edges. This results in constant, low torques and optimum sealing to the actuator shaft.

#### HIGH-QUALITY CORROSION PROTECTION

Features an average coating thickness of 240 µm as standard, which corresponds to Corrosion Protection Class C4 according to EN ISO 12944.

NOMINAL SIZE RANGE

**DN 25 –  
DN 1600**

PRESSURE RATING

**0 – 25 bar**

BODY MATERIALS

**Ductile iron  
Stainless steel  
Special material**

FLANGE DRILLING

**EN1092 PN10, PN16, PN25**

**ANSI Class 150**

**Special flange**

FACE TO FACE DIMENSION

**EN 558 series 13 / 20**

BODY STYLE

**Wafer  
Lug type  
Double flanged**

ACTUATOR OPTIONS



Manual lever



Manual gearbox



Pneumatic



Electrical

OPTION

**Drinking water and gas approvals  
(DVGW / SVGW)**

RANGE

The extensive product portfolio consists of various product lines that meet the highest demands of an extremely wide range of industries. Individually configurable and adaptable, they are available in a variety of materials and nominal sizes with different options. So we can find the right solution to overcome any challenge. And we adapt it if necessary.



---

**TW20**



**TL20**



---

**TF20**



**TF13**



Our range of valves is complemented by the Wey check valve.

---

**RSK**



See our website for product specifications

# WE BELIEVE SERVICE IS AN ATTITUDE

---

ASSEMBLY

---

COMMISSIONING & TRAINING

---

MAINTENANCE & REPAIR

---

GLOBAL DISTRIBUTION NETWORK

---

We take quality personally – even when it comes to service. Your satisfaction is our top priority. That’s why, for us, customer relationships begin with the first consultation. And we also provide an aftersales service for you. Our global network of distribution partners means there’s always a qualified expert near you. To answer your questions, to provide maintenance and repair services or even to extend or adapt your system. That’s a promise.





**Contact us to  
discuss your  
individual  
application.  
We show  
solutions that  
work.**

Headquarters

**Sistag AG**

Eschenbach (Switzerland)

Tel. +41 41 449 99 44

rfq@weyvalve.ch

For inquiries in Switzerland and internationally

Subsidiaries

**Sistag GmbH**

Muggensturm (Germany)

Tel. +49 7222 7879 790

verkauf@weyvalve.de

For inquiries in Germany

**Wey Valve Inc.**

Shannon (USA)

Tel. +1 662 963 2020

rfq@weyvalve.com

For inquiries in North America





# WATER CONTROL GATES



A SISTAG BRAND

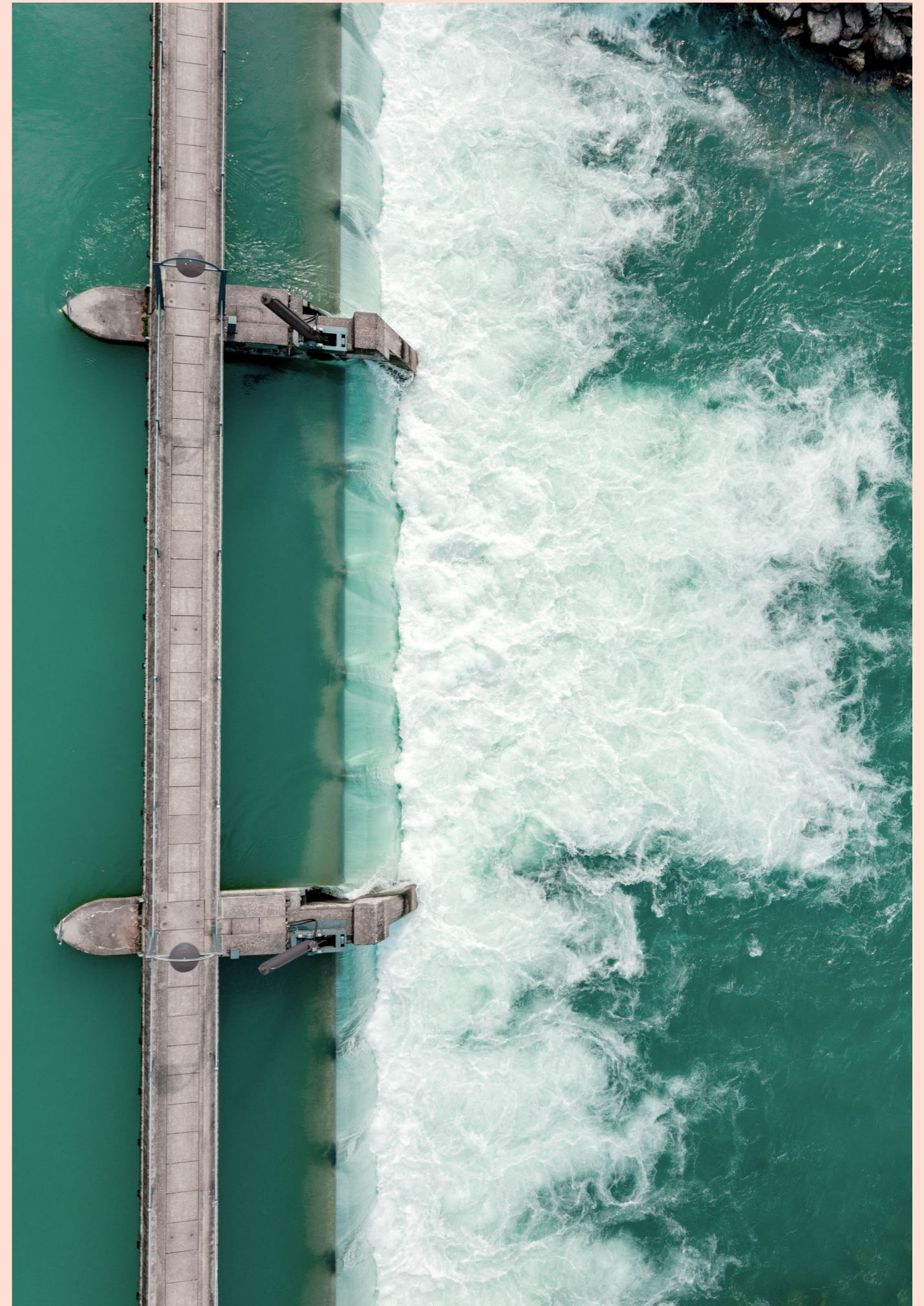


# OUR DEFINITION OF PERFORMANCE



Whether they come in the form of knife gate valves, butterfly valves or water control gates, isolation valves are our expertise. Our experience in engineering, our own production facilities and our excellent manufacturing expertise and know-how in various areas of application make us reliable partners for customers all over the world. This applies equally to all of our product categories. Even under the most severe conditions, Wey valves remain fully functional and bubble-tight over long service lives. We define performance as the highest level of quality, which stands the test of time.

Our products have been used in a variety of applications for decades. Sistag's water control gates are used wherever water and wastewater have to be isolated. Whether they're for installation in channels, gutters and basins, or for flood protection, we manufacture more than just sophisticated series products. Above all else, our range includes custom-made products designed to suit customer requirements. Our products are cost-saving and sustainable and often operate independently of external energy sources. We don't think in terms of prefabricated products; instead, we always look for the best possible solution. Because we're not completely satisfied unless you are.



# THE RIGHT VALVE IN EVERY SITUATION

Our Type 2, 3 and 4 sluice gates are all based on the same well thought-out design principle. Each individual product is custom-made with a great deal of care and is tighter than the standard prescribes – in both flow directions. With a wide range of assembly options, Wey water control gates are also easy to install, so they offer a solution for every situation.

**TRANSVERSE SEAL**  
Due to the circumferential transverse seal with double scraper, our gates are tighter than the standard prescribes in both flow directions.

**REPLACEABLE**  
The seal is made of NBR as standard, is flexible and can be easily replaced.

**ASSEMBLY**  
Wey sluice gates can either be assembled with anchor bolts or set in concrete.

**HIGH-QUALITY**  
The high-quality stainless steel gate is guided over the entire stroke. The gate guide is made of high-molecular polyethylene, so it has good gliding properties. It is also resistant to aging and UV light.

**REINFORCED**  
The gate is reinforced and adapted to the required water pressure.

WIDTH

**200 – 4,000 mm**

HEAD OF WATER

**Up to 15 m**

TIGHTNESS

**Bidirectional  
100% tight**

LEAKAGE RATE FOR PURE WATER

**≤ 0.2 l / min / m sealing line**

CONSTRUCTION

**Tailor-made and  
material-optimized design**

ACTUATORS



Handwheel



Bevel gear



Pneumatic



Hydraulic



Electrical

Our product portfolio includes various product lines that cover the needs of the most demanding industries. Custom-made and individually adaptable, they are available in a wide variety of materials and sizes. So we can find the right solution to overcome any challenge. And we adapt it if necessary.



## TYPE 2, 3 AND 4 SLUICE GATE

Our sluice gates are supplemented by other Wey control gates.

## PIT SLUICE GATE



## HAND STOP



## STOP LOG



## STOP GATE



See our website for product specifications

**Contact us to  
discuss your  
individual  
application.  
We show  
solutions that  
work.**

Headquarters

**Sistag AG**

Eschenbach (Switzerland)

Tel. +41 41 449 99 44

[rfq@weyvalve.ch](mailto:rfq@weyvalve.ch)

For inquiries in Switzerland and internationally

Subsidiaries

**Sistag GmbH**

Muggensturm (Germany)

Tel. +49 7222 7879 790

[verkauf@weyvalve.de](mailto:verkauf@weyvalve.de)

For inquiries in Germany

**Wey Valve Inc.**

Shannon (USA)

Tel. +1 662 963 2020

[rfq@weyvalve.com](mailto:rfq@weyvalve.com)

For inquiries in North America



