



RENEWABLES

Our seamless steel pipe solutions
for the energy transition





PERFORMANCE IN TUBULARS

Our world is based on high tech seamless pipes that can withstand the toughest conditions, day in, day out. We promise highest performance based on the core values customization, innovation, sustainability and responsibility.



CUSTOMIZATION



INNOVATION



SUSTAINABILITY



RESPONSIBILITY

PRODUCTION, R&D, SALES LOCATIONS AND LICENSEES



Find your closest contact:
www.voestalpine.com/tubulars/en/Contact/sales/



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on social Media!

ENVIRONMENTAL PROTECTION FOR NEXT GENERATIONS

The following are examples of the company's sustainable energy sources to be mentioned in connection with "Renewables".



PHOTOVOLTAICS

- » Photovoltaic systems on the roofs of our buildings



HYDROPOWER

- » Since the 80's of the last century our two hydropower stations supply our production facilities with energy



WIND POWER

- » A wind park was opened near voestalpine Tubulars, which supplies the mill with energy



DISTRICT HEATING

- » The waste heat from the rotary hearth furnace is transferred into the district heating network of Kindberg

All in all, renewable energies, whether geothermal or hydrogen technology, contribute to sustainable energy production.

This is crucial to meet the global challenges of climate change and is a guarantee for a long term energy supply for generations to come.

RENEWABLES

Renewables play a decisive role in sustainable energy supply, especially in the field of Geothermal and Hydrogen technology. These renewable resources offer an environmentally friendly alternative to conventional energy sources, helping to reduce greenhouse gas emissions and dependence on fossil fuels.

GEOHERMAL ENERGY

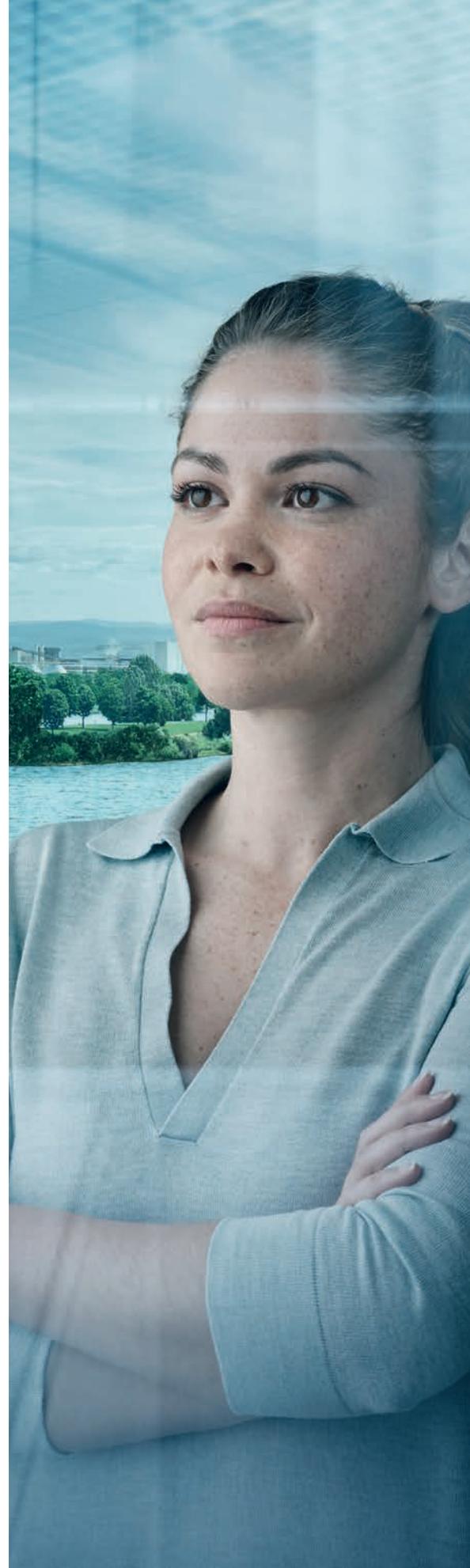
Geothermal energy captures and harnesses the natural heat within the earth for electrical power and power heating systems. This sustainable approach helps to generate clean energy without having a harmful impact on the environment. By supporting geothermal projects, countries can diversify their energy sources while minimizing their carbon footprint.

HYDROGEN TECHNOLOGY

Another important aspect of renewable energies is green hydrogen. Hydrogen can be produced by electrolysis of water, steam reforming of natural gas, and other methods. It is stored in compressed, liquid or solid form and used in various sectors. Fuel cells convert hydrogen into electricity, emitting only water and oxygen, which helps to reduce greenhouse gas emissions.

OTHER APPLICATIONS WITHIN OUR FOCUS

- » CCS – Carbon Capture and Storage
- » Biomass & Waste to Heat
- » CAES – Compressed Air Energy Storage



GEOHERMAL SOLUTIONS

The product of choice for geothermal applications: pipes with VAsuperior® or VAroughneck® connections!

Geothermal energy is one of the renewable energy resources where comparable pipes and projects as for conventional oil and gas are used. Also, the well design is similar, whereby voestalpine Tubulars can contribute its long-term know-how in the production of seamless steel tubular products for the geothermal energy segment and has the competence to develop further technologies.



VAsuperior®

VAroughneck®

PRODUCT CHARACTERISTICS & CUSTOMER BENEFITS

VAsuperior®

METAL TO METAL SEAL

- » Ensures well integrity

RESILIENT THREAD DESIGN

- » Prevents from damages during transport, handling and installation

FAST & EASY MAKE-UP

- » Saves running time

DryTec® DOPE-FREE THREAD COATING

- » No thread compound required

VAroughneck®

STRONG CONNECTION

- » Ensures well integrity

ROTATION DURING INSTALLATION

- » Improves the quality of the cement bond

SMOOTH INTERNAL PROFILE

- » Minimizes turbulences
- » Perfect for internal coating – no coupling coating required

COMPATIBILITY WITH API BUTTRESS

- » Saves costs

Dimensions & Grades

- » Outside diameter of 2 3/8" (60.32 mm) up to 7 5/8" (193.68 mm)
- » API and proprietary grades with application oriented properties up to 13% Cr content
- » Further products and solutions are available upon request

Additional services

- » Coatings – increase life time and flow rates
- » Thermal insulation
- » Surface machining
- » Lining of pipes





H_2

Hydrogen H_2

zero emission

HYDROGEN APPLICATIONS

Explore the customized solutions for hydrogen applications

voestalpine Tubulars has the essential know-how in steel and tube production, the long-term experience in connection development and manufacturing for the oil and gas industry as well as the testing capabilities to design the optimal product solutions – all these parameters are prerequisite for safe use of hydrogen too.

Therefore, the company already offers the following product solutions, which are already successfully installed in several hydrogen storage and line pipe projects.

PRODUCT CHARACTERISTICS & CUSTOMER BENEFITS

VAhyper®

- » The hydrogen-tight Premium Connection
- » Connection successfully tested according to an in-house developed fit-for-purpose test protocol with requirements of underground hydrogen storage systems (with 100% H₂)
- » Dimension range up to 7 5/8" (193.68 mm)

TAILOR-MADE CASING & TUBING GRADES

- » VA-H2-L80-1
- » VA-H2-J55

TAILOR-MADE LINE PIPE GRADES FOR DISTRIBUTION LINES

- » L360N, L360Q
- » P235 acc. EN/ISO 10216-2
- » X42 up to X70 acc. API 5L

All these grades are either tested or in progress of testing for hydrogen applications.



VAhyper®

Further products and solutions available upon request.

WHY voestalpine Tubulars?

Support from material and product selection, in-house material and product development, to final product and installation consulting from one source.



PRODUCT DEVELOPMENT



CONNECTION DEVELOPMENT



MATERIAL DEVELOPMENT



PROCESS DEVELOPMENT



TAILOR-MADE SOLUTIONS



FIELD SERVICE

SERVICES



myTubulars

myTubulars APP PRODUCT DATASHEETS, FIELD SERVICE AND LICENSEES

Generate datasheets and load envelopes containing dimension and performance data for products provided by voestalpine Tubulars with our Datasheet Generator. You can quickly and easily check the product application against field requirements in advance also on your tablet or smartphone by using the myTubulars App.

myTubulars is available for all iOS and Android devices for free in the App stores.

GET THE APP!



Field Service during the installation can be provided upon request. Please visit the Customer Service site on our web page www.voestalpine.com/tubulars

voestalpine Tubulars GmbH & Co KG

Alpinestrasse 17

8652 Kindberg-Aumuehl, Austria

T. +43/50304/23-0

F. +43/50304/63-532

sales@vatubulars.com

www.voestalpine.com/tubulars

voestalpine

ONE STEP AHEAD.