WE HELP YOU GET THERE

Amazing opportunities await those who can drill safely and efficiently at extreme depths. But with vast new reserves come massive challenges. Can your production tubing handle sour wells with temperatures exceeding 400°F (204°C) and pressures of 20,000 psi (138 MPa) and above? Could you cut several tons of unnecessary weight from longer drilling risers? And how can you be sure your downhole casing and tubing will deliver year upon year of fault-free performance?

At Sandvik, we see the deepest hot and sour drilling environments as exciting new possibilities. That’s why we’ve developed a broad portfolio of lightweight and corrosion-resistant production tubing and casing, drilling risers and control lines designed to handle the harshest offshore environments. Whether it’s extremely strong, thin-walled duplex tubing or our high-alloy austenitic stainless steel Sanicro® 29, we can help you to realize significant weight and cost savings while ensuring the long-lasting safety and integrity of your well completion.

When we say, “We help you get there,” we are stating our commitment to helping you achieve your deepest drilling ambitions. So if you’re determined to find out what the industry’s most advanced stainless and high-alloy steels can do for your business, let’s talk possibilities.
ADVANCED METALLURGY IMPROVES YOUR SAFETY

Extreme offshore environments demand extreme safety. And while it might sound odd to claim that a deeper understanding of molybdenum or nickel can improve your safety, that’s exactly what we’re saying. In fact, the selection and use of the “right” corrosion-resistant material for coiled tubing, OCTG tube, umbilicals and other products can be critical.

Like you, we regard safety as our guiding star. Wherever our products are handled, be it in Sandvik’s own mills, the fabricator’s manufacturing facility, or in the end user’s environment, accidents and environmental hazards must be avoided at any cost. That’s why Sandvik applies safety measures in every step of the process. We also use more than 80% recycled material to make our production sustainable. Our “Zero Accidents” ambition applies to our staff, customers, suppliers, strategic partners and the environment.

RUST NEVER SLEEPS
Although we cannot walk the decks of your oil rigs, platforms or intervention vessels every day, we’re acutely aware of the dangers in harsh conditions. We see your tough routines. We appreciate the fact that our corrosion-resistant tube, strip, powdered metal and other products are helping you to work safely in all phases of oilfield development and production.

THINKING OF YOUR CREWS
The mechanical and chemical properties of a particular grade of tube or other product can have a major impact on safety. Take the electrical or hydraulic lines that connect to valves, kill and choke lines, blowout preventers and riser joints. All it takes is a bit of corrosion or cracking to jeopardize the safety of your crew and the environment.

FOCUSBING ON PREVENTIVE SAFETY
When it comes to drilling and well completion, we understand that well temperatures, pressure and sourness can be critical issues. As one deck hand in Indonesia told us: “One breath of H₂S and you’re out.” Similarly, using premium quality well intervention and workover tools is also vital.

"WHETHER IT’S AN UMBILICAL TUBE, COILED TUBE OR CONTROL LINE, CHOOSING THE RIGHT MATERIAL CAN HAVE A MAJOR IMPACT ON SAFETY.”
TOM ERIKKSON, VICE PRESIDENT, RESEARCH AND INNOVATION, SANDVIK

“OUR ‘ZERO ACCIDENTS’ AMBITION APPLIES NOT ONLY TO OUR OWN STAFF, BUT TO OUR CUSTOMERS, SUPPLIERS, STRATEGIC PARTNERS AND THE ENVIRONMENT.”
GÖRAN BJÖRKMAN
PRESIDENT, SANDVIK MATERIALS TECHNOLOGY
We offer a range of strong, lightweight and corrosion-resistant tube in austenitic and duplex stainless steels as well as nickel-based alloys for hot and sour downhole well environments.

- OCTG casing and tubing
- Downhole control lines
- Hydraulic lines for drilling risers
- Downhole drilling tools
- Tubing for well screens
- Chemical injection tubing
- Downhole permanent tools
- C/WO risers

We are the world’s leading supplier of seamless umbilical tubing made of super-duplex stainless steel (Sandvik SAF™ 2507).

- Umbilical tubing
- Flowlines and piping systems
- Line piping
- Instrument tubing and subsea template piping
- HIP products (manifolds, wye pieces and other shapes)

To help extend the lifetime of the well and carry out repairs or diagnostics, we offer a wide range of products for safe and efficient well intervention and workover.

- Coiled tubing strings in OD 1.5” (38.1 mm) to 2 3/8” (60.325 mm)
- Continuous lengths of weld-free-coiled tube up to 3,280 ft (1,000 m)
- Reels with up to 19,000 ft (5,791 m)
- C/WO risers

Day in and day out, Sandvik’s advanced corrosion-resistant alloy products are used to enhance the productivity of upstream oil and gas drilling and production, as well as onshore operations. Your subsea challenges inspire us to develop forward-thinking solutions that can open up new possibilities.
WHY HOT AND SOUR WELLS ARE SWEET FOR BUSINESS

Call us stubborn, but we refuse to see hot and sour drilling environments as limitations. Exciting new possibilities await those drilling contractors and service companies that can overcome the challenges of working safely and efficiently at depths below 10,000 feet (3,000 meters) and temperatures exceeding 400°F (204°C). The secret to superior performance lies in optimized connection and sealing technologies in combination with advanced corrosion-resistant materials. That is why we’ve formed a strategic alliance with Tenaris to combine our next-generation OCTG alloys with its premium connections.

Extreme drilling in harsh offshore environments is a game-changer when it comes to materials selection. As drilling risers become longer, the drill string, booster lines, choke & kill lines and hydraulic lines are becoming heavier than ever. The common practice of using lower grade 316L stainless steel can add many tons of unnecessary weight to your operation – tonnage that must be transported far offshore.

SAVING TIME WITH COILED DUPLEX TUBING
By switching from 316L to Sandvik SAF™ 2507 super-duplex, you get a strong, corrosion-resistant tube with even thinner tube walls. In one drilling riser, for example, a major contractor achieved a 70% weight reduction when using hydraulic tube lengths made of our super-duplex material. In addition to reduced materials costs, considerable savings were made through reduction of the required lift capacity of the expensive flotation collars.

FIGHTING H₂S, CO₂ AND MORE
When installing downhole production casing or tube strings, many drilling rig contractors tell us of challenges relating to hydrogen sulfides, carbon dioxide or corrosive chlorides. To combat such aggressive and corrosive environments, we offer a wide range of duplex and high-alloy material grades.

UNIQUE ADVANTAGES OF SANICRO® 29
For mildly sour environments, our downhole casing and tubing can be supplied in Sandvik SAF™ 2507, while our cold-worked Sanicro® 28 is optimal for tougher conditions. If you are battling very sour wells, you are advised to consider Sanicro® 29, a high-alloy austenitic steel grade (CRA) that offers strong resistance to stress corrosion cracking (SCC) in H₂S environments.

BEST OF THE BEST WITH TENARIS
The beauty of using the materials mentioned here is that you not only facilitate weight and cost savings during drilling, but also ensure safety and integrity of a well completion that can stand the test of time. And by leveraging our strategic alliance with Tenaris, you gain access to some of the most innovative connecting and sealing technologies for harsh conditions.

“WITH DEEPWATER DRILLING VESSELS COSTING $250,000 TO $750,000 PER DAY, WELL COMPLETIONS MUST BE INSTALLED EFFICIENTLY TO MINIMIZE RIG TIME.”

OILFIELD REVIEW
WHEREVER YOU ARE, WE’VE GOT YOU COVERED

Are you drilling and laying string in the Gulf? Carrying out well completions in the North Sea or Indian Ocean? We are a global company present in 150 countries, including major oil hubs such as Aberdeen, Stavanger, Houston, São Paulo, Dubai, Kuala Lumpur and Singapore.

SUPPORTING YOUR GLOBAL BUSINESS
Over the years, we’ve provided corrosion-resistant OCTG tubing, control lines, coiled tubing, riser pipe, powder-based HIP products and umbilical tubing to virtually every major oil and gas company and fabricator. Our manufacturing facilities are located in Sweden, Czech Republic, USA, Canada, China, India, France and Germany. Steel melting operations and our main plant for OCTG and subsea products are situated in Sandviken, Sweden.

TEAMING UP WITH TENARIS
Uniquely, we control the entire production process – from melt to the finished product. And we’re proud to team up with Tenaris in providing corrosion-resistant alloy OCTG materials with TenarisHydril premium connections. This strategic alliance opens up many possibilities, such as Dopeless® technology: a dry multifunctional coating applied in a fully automatic process, ideal for harsh conditions that call for safe operational material solutions and reduced environmental impact.

So how can we help you get there?

SANDVIK OIL AND GAS OFFICES:
USA
Houston, Texas
BRAZIL
São Paulo
UK
Aberdeen, Scotland
NORWAY
Stavanger
UAE
Dubai
MALAYSIA
Kuala Lumpur
SINGAPORE
Singapore