

Titanium Applications



In our regular round-up pages SSWN takes a look at the many and varied uses of titanium and titanium alloys. This month: how 3D titanium latches save weight and cost, making a space-bound titanium pressure vessel, how titanium is withstanding the geothermal heat, ways to prevent discoloured titanium welds and more.

Read more on page 10-11

Interview: Harsharn Tathgar



AM guidelines at second round of testing and review - as DNV GL's joint industry project on AM requirements continues, SSWN's Daniel Sweet spoke with Dr. Harsharn for an update before the completed guidelines are delivered.

Read more on page 16



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Stainless Steel World News

The global newspaper with market, financial and trading news for the stainless steel and special metals community

In the Spotlight: AMETEK SMP

In 2015 Fine Tubes and Superior Tube were both integrated into AMETEK's Specialty Metal Products division, further enhancing their reputation as one of the world's leading manufacturers of advanced metallurgical products. The portfolio currently includes precision metal tube and strip, foil, high purity powders, and master alloys which are perfect for mission-critical use in industries such as aerospace, medical, oil & gas, energy, electronics, automotive and more.

Read more on pages 2-3

Focus on TITANIUM
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IMOA releases 2018 Mo data

Global production of molybdenum in 2018 rose by 1% to 571 million pounds from 568.2 million pounds in 2017, figures released recently by the International Molybdenum Association (IMOA) show. Global use was 582.8 million pounds in 2018, a rise of 4% from 558 million pounds in 2017.

China remained the largest producer with 201.9 million pounds in 2018, up 1% from 200.2 million pounds in 2017. Production in South America, the second largest producer, fell 2% to 194.9 million pounds from 197.9 million pounds. North America produced 134.5 million pounds in 2018, a rise

of 5% from 127.6 million pounds in 2017. Production in other regions fell by 7% in 2018 to 39.8 million pounds from 42.5 million pounds in 2017. Production in Q4 of 2018 rose significantly by 13% in comparison to Q3, with a rise of 29% in China, 11% in North America and a 3% rise in South America but a 1% fall in other regions.

China remained the largest user of molybdenum, at 214.5 million pounds a 6% increase from 202.3 million pounds in 2017. Europe remained the second largest user at 143.3 million pounds, a 2% increase from 140.5 in 2017. Japan saw one of the biggest percentage rises

in use from 52.2 million pounds in 2017 to 56.4 million pounds in 2018 an 8% increase. Use in the CIS also saw an 8% rise to 21.2 million pounds from 19.6 million pounds in 2017. While usage in other regions rose by 1% to 87.3 million pounds from 86.1 million pounds in 2017. Use in the USA increased 5% to 60.0 million pounds from 57.2 million pounds in 2017.

In Q4 global usage fell 7% compared to Q3 2018 and 7% when compared to the same quarter in 2017. Usage in China fell 17% in Q4 to 47.4 million pounds compared to 56.9 million pounds in Q3 2018 and was 18% lower when compared to Q4 2017.

BUTTING: major investment in BuBi® production



At the beginning of the 1990s, BUTTING developed the mechanically clad BUTTING bi-metal pipe – the BuBi® pipe for short. Since then, this pipe has impressed numerous customers worldwide. As demand grows steadily, BUTTING is making a major investment in expanding its production capacity.

Against this background, BUTTING has taken the expectations of customers and the market into account and

will make a substantial investment in the coming years in order to significantly expand production capacities for BuBi® pipes.

So far BUTTING has a 12-m hydroforming press in which a corrosion-resistant stainless steel BUTTING pipe and a carbon-manganese steel pipe are mechanically connected to make a BuBi® pipe. On average, about 15 km in medium BuBi® pipe sizes can currently be produced per month.

BUTTING's long-term objective is to double monthly capacities. The construction of a new hall and the associated adjustments to the processes are intended to further optimize production processes and increase productivity.

In addition, a new 12-m hydroforming press has been planned together with a mechanical engineering company and commissioned for production.

Raccortubi Group obtains EAC certification

Raccortubi, Tecnirox and Petrol Raccord have obtained EAC certification.

Raccortubi and its production mills, Petrol Raccord and Tecnirox, have recently obtained the EAC certification (Eurasian Conformity) in compliance to CU TR (Custom Union

Technical Regulations) 032/2013.

This qualification is fundamental to trade with the countries of the Eurasian Economic Union (EAEU), which includes Russia, Belarus, Kazakhstan, Armenia, Kyrgyzstan.

"The EAC certification will enable us to export and sell our products in those countries, proving their safety and quality" says Mr. Faust Ceraulo, Raccortubi's Quality Manager. "This will let us take new business opportunities in such a dynamic and fast-growing market".

125th anniversary for Friedrich Geldbach

Friedrich Geldbach, part of the Farina Group, is ready to celebrate its anniversary in Gelsen-

kirchen, German, together with international customers, suppliers and the whole community surrounding its premises.

The company was born in 1894 in Gelsenkirchen and nowadays is focussing on the manufacturing of flanges, using some of the world's largest forging equipments. Through consistent development of the production program necessary approvals are consistently pushed to meet the ever increasing needs of our customers worldwide.

This results in higher sales in the existing markets such as the USA, Canada, Southeast Asia and the oil exporting countries of the Middle East.

International connections and local activities will flow into the opening of the factory to the City of Gelsenkirchen, inviting authorities, customers, suppliers, schools, sports clubs, the press to join and experience a three days long party. "We are proud to say that Friedrich Geldbach has a healthy and solid future," the company stated.

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