



Novelis' Sustainability Report Highlights Progress In Recycling Aluminium

Novelis, the world leader in aluminum rolling and recycling, has published its 2015 sustainability report, detailing significant progress toward increasing the use of recycled aluminum and using natural resources more efficiently. At the end of Fiscal Year 2015, Novelis achieved an average of 49 percent recycled aluminum inputs, up 19 percentage points from baseline years of 2007-2009, and a reduction in water use intensity by 22 percent.

Over the past five years, Novelis has doubled its recycling capacity, helping to reduce its greenhouse gas (GHG) emissions by 13 percent from baseline. Recycling

aluminum produces 95 percent fewer GHG emissions and requires 95 percent less energy than primary aluminum production, enabling Novelis to achieve lower GHG emissions despite increasing global production capacity.

“Novelis’ commitment to sustainability is fundamental to our success as the global leader in aluminum rolling and recycling,” explained Steve Fisher, President and Chief Executive Officer, Novelis. Our continued focus on sustainability enables us to provide the lower carbon, high recycled content products our customers demand and provides a source of competitive advantage in the markets we serve.”

Since 2011, Novelis has invested approximately \$2 billion to expand recycling and production capacity. The company looks forward to utilizing its new capabilities to the fullest extent, driving operational excellence and delivering the highest quality, sustainable products to its customers for years to come, helping them achieve their own sustainability objectives and adhere to evolving carbon constraints around the world.

Novelis continues to make significant progress in multiple areas of its operations, including reducing GHG emissions, energy and water intensity from its baseline.

Novelis aligned this report to conform to the Global Reporting Initiative (GRI) G4 Sustainability Reporting. The Global Reporting Initiative (GRI) G4 guidelines are the world’s most widely used framework for sustainability reporting.

Quintus Technologies Inaugurate Hot Isostatic Press at Anhui Yingliu Group



requirements for production of large aircraft engine casings and core components for nuclear power, marine engineering, metallurgy, and other applications. Quintus’ proprietary Uniform Rapid Cooling (URC) technology enables increased productivity with optimal temperature control.

“Quintus HIP systems produce parts with excellent isotropic material properties and offer the highest possible density of all

available compaction methods,” noted Mr. Söderström as he handed the keys to the press to Mr. Du during the inauguration ceremony.

The event was attended by more than 500 guests, including representatives from a dozen prominent Chinese companies in the aviation and nuclear power industries.

Reminding the audience of the Made in China 2025 campaign to improve quality and production efficiency, Mr. Du referenced the Yingliu Group’s own strategic commitment to industrial upgrading.

The company ordered the QIH 1.6 x 2.5 in December 2013. It was delivered after a 15-month manufacturing process at the Quintus plant in Västerås, Sweden. Installation, testing, and commissioning took place over a period of 20 weeks. Now fully operational, the press fulfills the Yingliu Group’s vision of establishing a world-class hot isostatic pressing center at the Huoshan Casting facility.

Jan Söderström, CEO of Quintus Technologies, joined Frank Du, President of China’s Yingliu Group, to celebrate the inauguration of a Quintus® Hot Isostatic Press (HIP) at the Anhui Yingliu Group Huoshan Casting Co. Ltd. foundry in Anhui province, China, in early December.

The new press, model QIH 1.6 x 2.5 – 2000 – 1400M URC, brings several advanced capabilities that enable the Huoshan facility to manufacture products meeting mission-critical performance standards in the aerospace and nuclear power environments.

Operating at a pressure of 200 MPA (29,000 psi) and temperatures up to 1400°C (2552°F), the Quintus HIP produces complex components with improved fatigue strength and extended service life, ever-more-important characteristics that are difficult to achieve in traditional manufacturing technology.

A work zone of 1600 mm in diameter and 2500 mm in height accommodates the size

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Services, in its 11th Edition has become the most important platform for the foundry industry of the Indian sub-continent, as a sourcing ground for all the foundry requirements – raw materials, chemicals, machinery, testing instruments etc.

Cast India Expo - Building brand India a global sourcing destination for castings, is the only trade fair in India, which is rapidly becoming one of the important casting sourcing destination for the foundries from all across India. 64 Indian Foundry Congress will be organized concurrently by The Institute of Indian Foundrymen (IIF) during January 29-31, 2016 at the same venue. IFC, over the years has emerged as one of the most important platform for foundry industry to discuss the latest trends, technological developments & challenges in the foundry industry. With IFC improving its standards and growing in terms of participation year on year, the 64th IFC is bound to attract more foreign delegates, exhibitors & visitors.