



Harmony on the seas

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ArcelorMittal logistics and steels help STX France meet demanding schedule

The world's largest cruise ship has been a hive of activity for the past three years as it was constructed at the STX France shipyard in Saint-Nazaire. The Harmony of the Seas is the third and largest cruise ship in Royal Caribbean's Oasis class. As the sole supplier of flat steel, ArcelorMittal has played a leading role in this extraordinary industrial adventure.

There's a saying that the longest journey always begins with the first step. For the construction of this giant of the seas, it all started with the cutting of a steel sheet in September 2013.

Between that date and December 2014, ArcelorMittal delivered over 47,000 tonnes of steel plates and sheets to STX France. The steel was used to construct the hull and decks of the Harmony of the Seas: a giant puzzle of over 400,000 metal parts.

Supplier and partner

ArcelorMittal had to demonstrate an impeccable operating performance over time to satisfy the requirements of STX France. The project challenged ArcelorMittal on punctuality, regularity, reliability, and quality... a challenge that ArcelorMittal Gijón (plates), ArcelorMittal Fos-sur-Mer (coils), and ArcelorMittal Distribution Solutions Saint-Nazaire (sheets) were more than prepared to meet.

Their cooperation enabled STX to complete construction of the ship's steel shell on schedule in June 2015.

On Thursday 10 March 2016, the Harmony of the Seas left port for the first time to test control, propulsion, and other systems that could not be tested at the dock. By May 2016 the ship had been delivered to Royal Caribbean International and was taking passengers on its first cruise around the Mediterranean.

"Establishing long-term relationships with suppliers is a key driver of performance," says Serge Hily, metal purchasing director at STX. "The partnership we have initiated with ArcelorMittal demonstrates the relevance of this strategy. The personal and close cooperation we have developed with ArcelorMittal's commercial and logistics teams, and the technical support we have received, enabled us to face the main challenges of this project in a very effective way. Both ArcelorMittal and STX can be proud of the result."

As an acknowledgement for this result, STX awarded ArcelorMittal for 'Long Term Cooperation' on their Supplier Symposium on 3 May 2016 aboard of the 'Harmony of the Seas' cruise ship. It was Reiner

Blaschek, CMO Business Division North ArcelorMittal Europe – Flat Products, who accepted this prestigious award in the name of all ArcelorMittal entities involved in this success story.

The partnership between the two companies led to STX France selecting ArcelorMittal as the sole supplier of flat steel for the construction of three new ships.

In total ArcelorMittal will deliver 116,000 tonnes of steel for these projects. First deliveries began in January 2015 and will go on into 2018.

ArcelorMittal will continue to put our full range of solutions at the disposal of our partner STX France to ensure the company can seize every opportunity in the cruise ship market and remain at the top of the wave.

Harmony of the Seas in figures

The Harmony of the Seas is the largest cruise ship ever built as the numbers show:

- **Length:** 362 metres
- **Width:** 66 metres
- **Passenger capacity:** 6,300 in 2,700 cabins
- **Crew:** 2,200
- **Work time:** 10 million hours