

world of rope

published by CASAR

page 2

PROPER ROPE SELECTION FOR TOWER CRANES
ORGANISATIONAL NEWS

page 3

CASAR SUPERPLAST 10 / SUPERPLAST 10 MIX

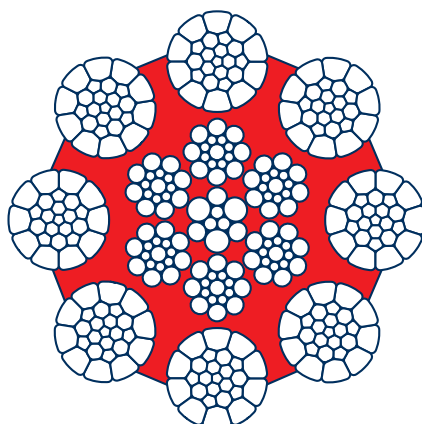
page 4

CONEXPO 2014 IN LAS VEGAS



CASAR Turboplast helps to clear the way

Amid the thunderous cheers of countless spectators, the oldest seaworthy three-master of Europe, the Belem, sailed as the first large ship into Port de la Lune, the harbor of Bordeaux, passing under the new lift bridge, the Pont Jacques Chaban-Delmas. The core of this 433 meters long lift bridge is the 117 meters mobile center piece which rises up 53 meters between the four 77 meters high pylons. This makes it the largest lifting bridge in Europe. *(Continued on page 2)*



Sectional view of CASAR Turboplast



Blake Chandler
WireCo WorldGroup
Senior Vice President Sales

For many economic sectors and particularly the companies of the construction and mining field, the year 2013 was a difficult one. The crisis of the Euro and a weak economy also slowed the activities in the field of specialty wire ropes. All the more reason to focus our attention to the future. The expectations of the industry are positive, and CASAR also plans for future growth.

Together with our global distribution partners we eagerly look forward to the challenges faced in the new year. I wish all of us success in business and interesting projects in the year 2014, which has just begun.

Kind regards,

(Continued from page 1)

After a construction time of slightly more than 3 years this bridge over the Garonne now connects the eastern and the western parts of Bordeaux and will greatly improve the traffic situation in the city center of Bordeaux. The building of the lift bridge ensures that the historic city center, which was awarded the status of UNESCO world heritage site in 2007, can now profit from the development of the cruise business. For example, in 2013 a total of 40 cruise liners docked in the harbor of Bordeaux.

The specialty wire rope CASAR Turboplast played an important role in the success of the three-master passing under the new lift bridge. Forty ropes of 69 meters in length each connect to the center bridge segment which weighs 2,600 tonnes, via deflection pulleys at the top of the four pylons using counterweights. These counterweight ropes, with a diameter of 76 mm, were produced especially for this project in the CASAR wire rope plant in Limbach where the ropes were measured under operating load and provided with end

connections at both sides, with the longitudinal tolerance being +/- 20 mm. An additionally applied jacket line facilitated the installation and ensured the torque-proof assembly of the ropes at the lift bridge. Ten of these ropes per pylon are respectively connected to a counterweight of approximately 1/4 total weight of the mobile bridge segment's.

Proper rope selection for tower cranes

The conference regarding tower cranes, organized by the specialty magazine "International Cranes", was a complete success. The interesting contributions of the specialists from industry and commerce were very well received by the participants. The lecture by Dr. Oliver Fries, VP R&D, Innovation and Technology at WireCo, regarding the selection of the right rope and the optimization of its life span, resulted

in many questions and lively discussions. This is a positive signal for CASAR to discuss the use of specialty wire ropes in tower cranes in greater detail with users and manufacturers and to present the knowledge gained here to a wider public.

Surely we will have more opportunities to hear presentations of Dr. Oliver Fries. "World of rope" will keep you informed.



KHL Tower Crane Conference in Berlin, November 2013



Organisational news

We are pleased to welcome Mr. Frank Gaeb to our global sales organization based in Germany. With 30 years of industry experience, Mr. Gaeb joined CASAR on November 1 as the Director of Mining for the Eastern Hemisphere. After finishing the Düsseldorf Business School, Mr. Gaeb went to work for the wire rope distributor CERTEX, formerly Rhein-Ruhr trading company. Since 1986 he held several management positions at the Bridon Group with a strong focus on rope applications in mining and oilfield.

As a regional director for Europe, Russia and the CIS countries, Mr. Gaeb led a strong sales organization and built close relationships with major key accounts in the specialized wire rope and mining industry. This vast experience and dedication to the region for more than 20 years provides an excellent starting position for his new role at CASAR.

Mr. Gaeb states: "I am excited to have the opportunity to join the market leader in wire ropes and glad to be part of a successful, growing company."