

world of rope

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HOMBURG COMPANY RUN

Dear readers of our newsletter, it might sometimes sound like a bit of a broken record, but it is always on the agenda: the issue of SAFETY. Whether it is having a safe workplace, or our products helping to improve the safety of crane operations, our goal is ultimately always to keep people out of harm's reach.

Our latest edition shows a project to improve safety on our closing machines at the CASAR plant in Kirkel. It is an important action that means a great deal to me as Managing Director of CASAR.

Our ropes, too, are subject to an appropriate safety philosophy. As a set development partner in the crane industry, CASAR owns a long experience of projects regarding powerful and safe steel wire ropes. You as our customer benefit of this extensive know-how each time you buy a CASAR rope.

I hope you enjoy reading our newsletter.

Andreas Schmeiss
VP Global Cranes

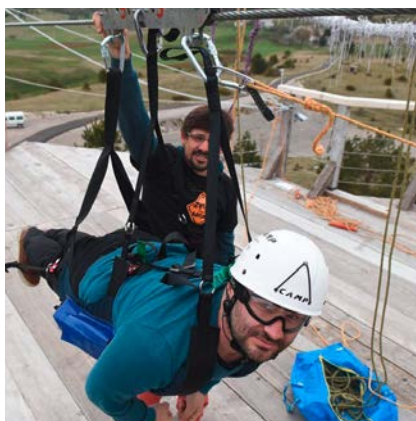


Andreas Schmeiss
WireCo WorldGroup
VP Global Cranes

Thrills with Drumet forestry ropes

People have been driven by the dream of flying since time immemorial. Since April this year, this dream has come close to being achieved on the Western side of the Plitvice Lakes national park in Croatia. The municipal authorities of Vrhovina, together with the community of "Rudopolje Moje", to which various local companies and individuals belong, have taken it upon themselves to make the area in the county of Lika-Senj more attractive to residents and visitors alike. For this reason, the "White Peak" sport and relaxation centre was founded, nestled in the magnificent landscape of Lika. As well as climbing and cycling, people have been able to dive head first into the abyss since Easter 2017. That was made possible by one of Europe's longest and fastest zip lines, the Zip Line Pazi Medo (in English: Beware of the Bear – this region has a large population).

The zip line was developed by Mr. Branko Kmezić, together with his son, Saša Kmezić,



who manages the project, they maintain the zip line and everything associated with it. It has a length of 1,700 m and can reach speeds

up to 120 km/h. The zip line is 80 m above ground and provides a beautiful view of the unspoiled natural landscape of Lika, not to mention an adrenaline rush. Passengers lie head first, while they "nosedive" in a type of horizontal suspended harness, fastened to a running carriage with plastic rollers. This carriage runs along the 15 mm-thick cable manufactured by Drumet. It is a cable construction that is typically used in forestry. In Forestry too, ropeways are used, but in this case they help to transport material in difficult, rough terrain. The cable used is a 6-strand Warrington Seale construction which has a hammered surface. This hammering of the cable ensures a smooth and round surface, and therefore also the smooth running of the carriage on the cable. The hammer compression also ensures a large proportion of metal in the cable and thus the

necessary breaking load of 220 kN. The cable is stretched under a load of 6.5 tonnes and is exposed to humid conditions. For this reason, the cable is made from galvanised wires and the strands are lightly greased. With this light lubrication, the cable is still sufficiently protected and, at the same time, the passengers' clothes won't be soiled by the grease. The journey ends after around 90 seconds on a platform which affords the passenger a marvellous view of the surrounding area.

Drumet has also supplied a second identical cable for the zip line, after the end of this season a second zip line will be fitted, parallel to the first one. The cable will be stretched somewhat looser this time, though the cable run will be steeper, leading to speeds of around 140 km/h. It is clear how ambitious the operators' goals are, so it's hardly surprising that they are aiming to be definitively crowned the King of Zip Lines within three years. Their intention is namely to install a zip line with a length of 2,900 m which will then no longer only be one of the longest in Europe, but the longest in the world. However, this enormous cable length presents completely new challenges to the developer and to us as the cable manufacturer. The tare

weight of such a cable is the critical element – the key is the ratio of the zip line's strength to its tare weight. However, at WireCo we are well versed in this issue from other areas, such as mining applications with significant shaft depths. And so, even now, there is an active exchange between our department for research and development and the planner of the new zip line and we are on course to implement this project together. "World of Rope" will, naturally, keep you in the loop.



MACHINE SAFETY PROJECT AT THE CASAR PLANT IN GERMANY

Closing machines are very complex production machines that present a certain risk of danger because of the free-moving wires, strands and the high rotation speeds. At the same time, machine operators must be able to carry out control and configuration tasks during the ongoing process.

As part of the project Machine Safety, a comprehensive risk assessment of all machines in the plant has now been carried out. Based on this evaluation (recording and analysis of processes/machines), the project team identified a number of potential improvements to machines all over the plant and developed an action plan to eliminate these potential hazards. This was done with the constant goal of continually improving machine safety in the entire plant.

This investment in better protective equipment is not insignificant. It is, however, essential in our efforts to actively improve occupational safety. After installing new protective equipment, the points of access to the machine were also fitted with new controls (safety PLC).



The new safety cage on a stranding machine.

CASAR supports international tower crane conference in London

Each year, the tower crane conference, organised by specialist magazine "International Cranes", takes place in London. This year's event was another complete success: a record of 300 visitors ensured lively discussions on modern technologies, improved safety, increased efficiency and new construction projects.

The WireCo stand was once more the place to be for intense discussions on the optimal use of special wire components from the brands CASAR and OLIVEIRA. Also sponsored by WireCo, an extremely interesting boat tour took place the day before the event. Under expert guidance, participants were able to experience anew the fascinating large-scale construction sites from the Thames.



Intense discussions at the WireCo stand

A look back at Interalpin Innsbruck

From 26/04 to 28/04/2017, the 22nd Interalpin took place in Innsbruck, Austria. Interalpin is the world's leading trade fair for Alpine technology. Just under 26,400 industry visitors (over ten

percent more than in 2015) from all over the world came to the trade fair in Innsbruck in order to seek advice, information and investment opportunities round about the most up-to-date cableway technolo-

gies, snow production methodologies, snow groomers, winter maintenance equipment, till and entry systems, IT solutions, Alpine safety and much more, for use in both summer and winter.



The trade fair stand team, from left to right: Martin Scherer, Steffen Schömbucher, Christof Rogler, Otmar Falkensteiner, Pascal Ignor, Hermann Katzler, Heiko Beck and Rolf Härtl

WireCo took part in the trade fair, re presented in person by Andreas Schmeiss (SVP, Global Cranes) and Pascal Ignor (Product Management), alongside its long-term partner, Carl Stahl. First and foremost, ropes for cableways and ski lifts by Drumet were highly praised and greeted with keen interest by clients. Important contacts were also made and information collected in order to dive deeper into the field of Snow groomer ropes in the future.

We expect to be ready for the market launch of OLIVEIRA snow groomer ropes for both drum and capstan winches in the near future.

The lively interest in our products showed us that it was definitely the right decision to take part in Interalpin alongside Carl Stahl. With that in mind, we are confident that we will be back in May 2019.



The CASAR running team

Homburg Company Run: CASAR employees run for a good cause

Despite tropical temperatures, and even being the hottest day of the year so far, almost 5,000 runners didn't let the heat stop them from taking part in the 5 km run through the inner city of Homburg/Saar. Companies from the region traditionally take part in this charity event and CASAR have been represented on the starting line by 10 runners.

As well as the joy of running together, a handsome sum was collected in the form of entry fees, which will now be used for local charitable projects.

NEXT ISSUE WILL BE PUBLISHED IN

OKTOBER 2017

PLANNED TOPICS:

- GELMERBAHN SWITZERLAND
- SYNTHETIC HOIST ROPES

RESPONSIBLE:

CHRISTIAN SCHORR-GOLSONG

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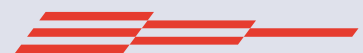
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