

# world of rope

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CASAR SUPPORTED THE  
"WORLD CRANE AND TRANSPORT SUMMIT", AMSTERDAM

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VISITING FRIENDS:  
JDL 2019 IN BEAUNE



**Andreas Schmeiss**  
SVP Global Cranes

Dear Newsletter Readers,

Extraordinary rope applications and the challenges that are presented to us to develop permanent, application-specific solutions are one of the key points of our business model.

The article on the use of our CASAR SUPERFIT high-performance product in a cable plough shows the technical possibilities of special rope development for our customers.

Another example is the special design and innovative rope developments that can be used with large cranes. We were happy to present this at the "World Crane and Transport Summit" in Amsterdam, and we are very pleased with the positive feedback, high levels of interest and new contacts.

You can also find additional information on this in our current newsletter.

Yours sincerely,

*Andreas Schmeiss*

## CASAR Superfit shines on the cable plough of Frank Föckersperger

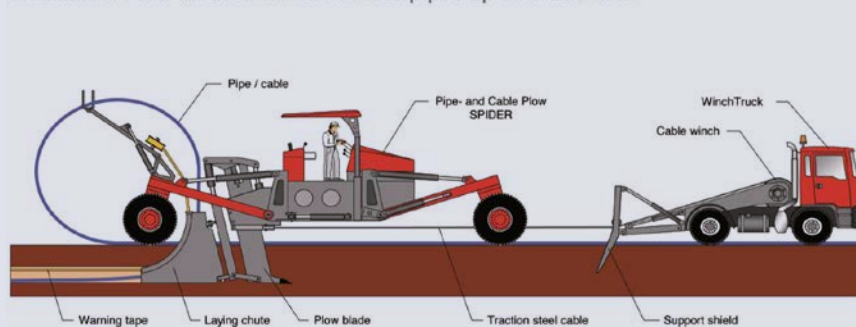
Over the more than 70 years that CASAR ropes have been produced, we have met with many really extraordinary rope applications. One that would always make it into the top ten if such a list of highlights existed is the cable plough from Frank Föckersperger. In this type of application, as the name suggests, cables and pipes are ploughed into the ground. During this process, the plough is pulled with a rope winch attached to an all-terrain towing vehicle that is equipped with a support plate. The ploughshare is used at the start of the marked-out route in a starting pit that is set at the same depth as the laying depth. Due to the tensile force of the rope winch, the ploughshare displaces the earth and any stones present in

the line-placement zone. It smooths the pit bottom at the same time through the vertically and horizontally moveable laying shaft. This creates a hollow space in which the line can be laid tension-free at the desired depth.

The plough is able to lay several lines and route warning tapes in one operation. The areas that the pipe and cable ploughs can be used in include long cross-country stretches and stretches in difficult terrain

### Description of the **FRANK FÖCKERSPERGER** Method.

Installation Plow Method for cables and pipes up to Ø 250 mm.



such as steep slopes, river crossings, in swamp areas (on special skids) or along-side embankments.

This type of application primarily means one thing above all for our rope: a true stress test. Very high dynamic strains, so-called "shock loads", are accompanied by diagonal pull and massive compression of the towing rope on the winch. In the past, ropes from our competitors were also often used. These usually consist of eight-strand, compacted rope constructions which have a core sheathed in plastic. However, these rope constructions regularly hit their limits

under the extreme working conditions. During BAUMA 2016 and the presentation there of the new CASAR Superfit, we were able to awaken the interest of Mr Frank Föckersperger.

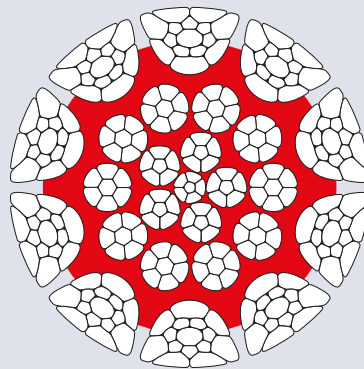
Frank Föckersperger has the following to say:

"I saw the CASAR Superfit at BAUMA for the first time in 2016 and was impressed. The high breaking force allows our towing winch to be utilized fully. The very smooth surface compared with other ropes is the best condition for a long service life

on our multilayer winches. We first made a sample order with CASAR and extensively tested the ropes. In the course of this, the end connections were also optimally adapted to our needs. The results of the tests met our expectations. Due to the smooth surface and the thick outer wires, the service life is longer on our winches compared to other ropes. At the same time, the ropes are less sensitive to contamination by soil and small stones, which cannot be prevented with our work. Without restrictions, I can say today: the change to CASAR Superfit was the right decision."

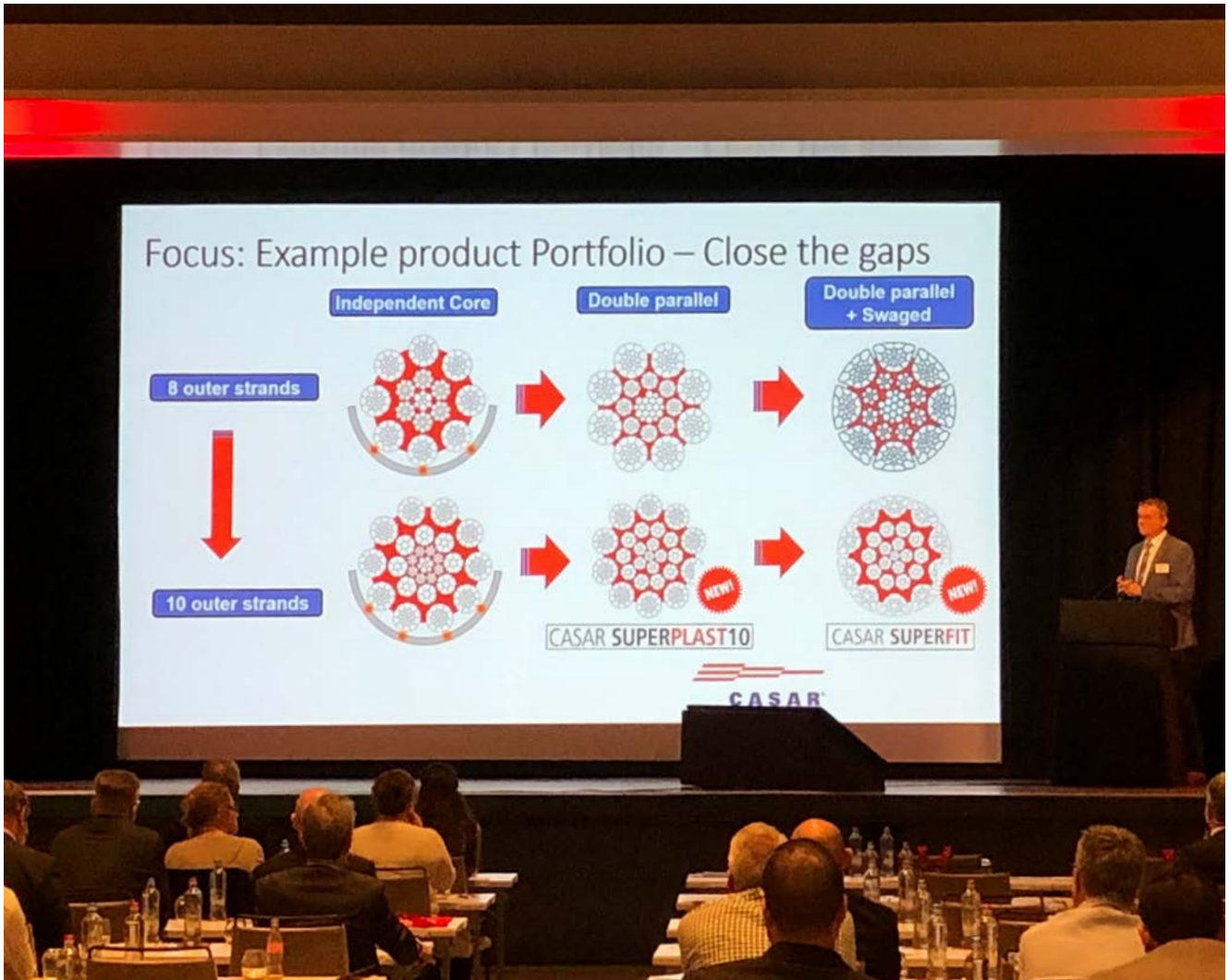
### **STRONG, STRONGER, CASAR SUPERFIT**

When it comes to maximum breaking strength, CASAR offers a wide range of specialised constructions. Our rope specialists have now developed a logical extension to our ten-strand CASAR Superplast 10 Mix construction, a swaged version that combines the great reversed bending characteristics of this construction with even higher breaking strengths and a very smooth rope surface. The product



features of the CASAR Superfit include excellent spooling performance on multi-layer drums and it also enables higher rope tensile forces. Application areas for this rope include highly loaded luffing ropes for mast and boom adjustment in Caterpillar and large mobile cranes, as well as special winches and indoor crane constructions. So simply everywhere where a special wire rope of this kind with high breaking force and a very smooth surface is needed.





## CASAR supported the “World Crane and Transport Summit”

The KHL media company with its trade magazine “International Cranes” holds a large conference with a focus on lifting and transporting of heavy loads every year. This interesting event takes place in Europe every two years. In November, crane and transport specialists met in Amsterdam so as to inform themselves on current economic and technical topics in 18 presentations across the two-day conference. The majority of the almost 300 participants came from the field of crane rental and heavy transport, but all the major mobile crane manufacturers, such as Liebherr, Tadano,

Manitowoc and Kobelco, were also represented by top management. Aside from the presentations and discussion forums, there were also many opportunities for intensive conversations with the participants. These were thoroughly taken advantage of by the WireCo participants Dr Oliver Fries, Peter Van der Voorde, Bernhard Ehrhardt, and Christian Schorr-Golsong.

A special highlight was the presentation by Dr Oliver Fries on the topic: “Current challenges with steel, hybrid and synthetic ropes”. His remarks were met with great interest and there were further discus-

sions with the participants following the presentation. A focus of the event was the challenges that arise through the increasingly large wind turbines. Both the hub heights and the part weights continue to grow and push the Caterpillar and hydraulic cranes used to the edge of their technical possibilities. The ropes used also face increasingly high expectations, for which the rope manufacturers have to find solutions. In this situation, WireCo was able to show possibilities of solutions with relevant research results and new products and clearly highlight our expertise.

# Visiting friends: JDL 2019 in Beaune

The JDL trade fair took place again from the 25th to the 27th September in Beaune, France. The three-day trade fair is an exhibition of forklift trucks, lifting equipment, unusual transport solutions, passenger transport, port handling, handling and transport of materials, as well as many equipment manufacturers. JDL allows the decision makers from major projects, industry, ports and the energy sector to meet suppliers in a unique, almost family-like environment. New and unique to the trade fair is the demonstration zone that is dedicated exclusively to innovative products and alternative energies.

This year exhibitors presented their equipment and provided interesting conversations and answers across an exhibiting space of 53,000 m<sup>2</sup> (an increase of 47% compared to 2017). The WireCo WorldGroup also had a stand at JDL in Beaune once again, where we were represented by Peter van der Voorde (Head of Sales for France and the Benelux countries), Patrick Leborgne (Responsible Salesperson for our Paris office) and Pascal Ignor (Product Manager for the European crane brands). The JDL in Beaune was able to record an enormous increase



in visitors this year (an increase of 80% compared to 2017), but still preserve its family-like charm. The steadily growing list of interested parties has led to the JDL taking place again next year, instead of every second year as usual. We are optimistic that we will accept this "invitation" for JDL 2020 again next year.

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