



➤ **„Many small people in many small places doing many small things can change the face of this world.“** (African proverb)

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Dear Readers,

another year has passed and it is time to find a few words for the editorial of this newsletter. Unfortunately, the general world situation has not become easier over the past year. Society, the economy and politics are facing major challenges. As things stand at the moment, they will remain so.

We are glad that we, as a service provider in wind energy, can play our part in helping to implement such an important topic as the energy turnaround. We are thus actively involved in future-oriented solutions. A good feeling.

In order to relieve the burden on all employees of RTS Wind AG, we have decided to pay all employees an inflation bonus in 2023. We hope that this will allow us to compensate somewhat for the general increase in energy and living costs. Please always remember, we are working together on an important cause. The commitment of each and every one of us is needed and appreciated.



And now I hope you enjoy reading our RTS Newsletter!

Yours  
  
 Ivo Lippe

Ceo RTS Wind AG

## Topics

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A review of our first twelve months with company bees.

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# KURZ GEFASST

## RTS Wind AG pays inflation bonus

In order to compensate for the general increase in the cost of living and energy, the management of RTS has decided that every employee of RTS Wind AG who has completed his/her probationary period will receive an inflation bonus. This is a maximum of 3000 euros.

The bonus will be paid out in six steps (quarterly) with the salary.

## New website online [www.rts-wind.de](http://www.rts-wind.de)

Together with the multimedia agency LÖWENSTARK, our Marketing implemented a relaunch of the RTS Wind AG website from December to March.

The aim was to upgrade the site with a contemporary technical background, to make the site easier to navigate and more user-friendly, and to provide more information.

## Successful Recertification

This January, the DEKRA auditors visited us again to check the safety and quality standards of RTS Wind AG and GmbH for a week.

We are pleased to have been successfully recertified once again and to have received the certificates in the areas of DIN EN ISO 9001 and 14001 for the next 3 years.



Refer a friend and be rewarded

**500€**

## Employees recruit employees We reward your commitment!

Tell your friends about RTS, if they apply and get the role, you will be awarded €500!

Important: If someone applies based on your recommendation, your name must be included in the cover letter of the application! You must also sign and submit our „code of conduct“ document.

If there are any questions about this, please contact your manager.

If an employment contract is concluded and successfully exists for more than 12 weeks, the payment of the bonus will be triggered by us with your next salary.

Please send applications to this e-mail:  
[bewerbung@rts-wind.de](mailto:bewerbung@rts-wind.de)

## Congratulations!

Graduating ceremony for our apprentices Chiara Hähner and Julian Stern



The two freshly graduated HR Specialists Chiara Hähner and Julian Stern have - as expected - passed a brilliant exam and were „released“ into full professional work life by our educational officer Kristin Schmidt in February with a bouquet of flowers and a voucher.

We are very pleased that both of them have been taken on as HR Specialists here at the head office and wish them every success in their new positions. Ms Hähner will work the Operations and Maintenance team, while Mr Stern will work in the Personnel Solutions department.

## Earthquake in Turkey

# Bilal Kaldirims Engagement



On 6 February 2023, two large earthquakes (magnitude 7.8 Mw and 7.5 Mw) occurred in south-eastern Turkey and northern Syria. The affected region is the size of 3/4 of Germany. As of 13 March 2023, a total of 53,300 dead have been recovered and more than 111,000 injured. A total of 20-25 million people are affected. The natural disaster is considered one of the largest of the land earthquakes in world history.



Our colleague and the head of rotor blade service Bilal Kaldirim has been active for years in a large aid organisation (HASENE international e.V.), which provides humanitarian aid in over 100 countries. He has already been active in several projects worldwide. He is personally particularly affected by the disaster in Turkey, because it happened in his parents' home country. Despite his great responsibility in his job and young family, he arranged to travel to the region for a week to help.

Photo: Bilal hands out some sweets to children. We have blurred the faces by image processing.

### Humanitarian aid

Bilal was visiting places during the week on behalf of HASENE international e.V. to distribute urgently needed relief supplies to the victims of the earthquake: e.g. food, clothing and blankets, tents, hygiene articles and medicines.

„I can hardly put into words the impressions I gained. Even photos do not reflect the situation. The destruction is all-encompassing. The brain cannot process what one sees and experiences. People are deeply shocked and traumatised: You can see it when you look into their eyes. But it is important to mention that there is hope. Because there is very strong aid being provided in the region. Whether it is through national and international organisations, states and authorities, etc., there is a lot of help. I have experienced a really strong cohesion on the ground. However, the issue must not be pushed into the background, because it will still take a while to stabilise the situation on the ground financially and psychologically.“

### RTS Fundraising campaign

Due to the urgent reports, we here at the RTS Wind AG headquarters in Bremen spontaneously decided to organise a small fundraising campaign within the team. So far, a sum of 500 euros has been collected. The campaign is still running and we will report what has become of it and what the money has been used for.

## All the best for the future!

After more than 8 years at RTS, our „Uschi“ (Ursula Pohler) will retire at the end of April 2023.



Her work largely takes place unnoticed in the background, but she is an important „gearwheel“ for RTS Wind AG. She is the first point of contact for all applicants and is in charge of our daily applicant hotline. She also registers all incoming applications and distributes them to the appropriate departments.

Furthermore, she is the absolute expert for our applicant database software and the associated data protection issues. With her persistent manner, she reminds us again and again how important it is to process incoming applications carefully, and that's a good thing!

Dear Uschi, we wish you that you enjoy the next chapter of your life and that many beautiful experiences await you. On behalf of the entire team, we say:

Thank you for everything!

# Pitch Cylinder Exchange

## ... a report from the onshore unit

**My name is Christian Dose, I am 40 years old, a trained specialist for kitchen, furniture and removal services and a trained specialist for professional drivers in the international transport industry. I have been with RTS since December 2019 and have been able to gain a lot of experience in this short time.**

**My job today has little to do with what I learned. Today I am on the road for RTS in the wind farms.**

I have been in the pitch cylinder exchange project since mid-2021. Since then I have replaced about 40 cylinders, about 30 pitch eyes and more than 50 bearings in the pitch eyes. We have also changed hydraulic hoses and other parts needed for the pitch process. As a coordinator, I take care of material re-orders, talk to the operators and planners, or even sometimes with the technical department if there is a fault on the system that needs to be „cleared“.

**Today we are busy replacing a hydraulic cylinder in a wind turbine.**

**What does a typical day look like?** After arriving at the wind turbine, we first register with the operator of the wind turbine. The team coordinator takes over this and registers what kind of work we are doing: Name, company, activities, how long do we plan to be on site and with how many people are we on site?

**Today we are working on a 140 m high wind turbine.**

We stop the wind turbine and prepare for the ascent. In this case, a passenger and material lift is installed, making the ascent easier for us. Two men drive up in advance and prepare everything for craning up the material and tools in the nacelle. The rotor is braked and locked with bolts. The chain of the internal chain crane (which is installed at the top of the nacelle with a chain length of 160 m and a load capacity of 800 kg) is lowered in order to crane up material and tools.



Here we see hydraulic cylinders for the automatic blade adjustment (pitch process to turn the blade optimally in the wind).

**Why do we change the cylinders?**



Either the cylinders we replace are still from an older production and are virtually only being replaced by an upgrade, or the cylinder has internal damage, which means it can no longer maintain its operating pressure. Consequence: The system reports a malfunction.

**Once we have prepared everything up in the nacelle, we start dismantling the old cylinder. To do this, we have to go to the front of the hub, which is in the middle of the rotor star.**

The hydraulic cylinder turns the blade with a hydraulic pressure of 260 bar. In other words, with almost 40 tonnes of pressure, the cylinder tugs the blade back and forth to position it optimally into the wind or to turn it quickly out of the wind. Sailors are probably familiar with this, others just take a leaf blade in their hand, by simply turning the handle you can see how the blade turns, either to the left or to the right. In the case of a wind turbine, the turbine either turns its three rotor blades into the wind or not, and for this it needs a little hydraulic support.

**Here you can see the access hatch to the hub and the rotor head inside.**



We now stand in the hub and begin to disconnect the old cylinder from its hydraulic line. Beforehand, we have made sure several times that there is no more pressure on the system. With the help of chain hoists, which we have previously installed in the nacelle and in the spinner (GRP outer casing of the rotor head), we pull the cylinder over the rotor head into the nacelle. After the old cylinder has been replaced and the new cylinder has been reconnected to the hydraulic system in the hub, it must also be readjusted and aligned.

**After completing all the work, we recalibrate the blade. We set the blade once to the positive end stop and once to the negative end stop. Better said, we determine the positions 0° and 90° with the help of a pitch position sensor.**

We then run further test procedures to check whether the blade turns cleanly (pitch procedure) or whether it jerks when turning. As soon as we are sure that everything is working again and no oil is leaking, we clean the hub from dirt and oil. We always leave our workplace clean and tidy. All materials containing oil are collected separately and put into designated containers for disposal.

We crane off the old cylinder, and now the cylinder gets a piece of paper to take with it on its journey. The note contains all the important information, where the cylinder comes from, which order number was used to process it, the employee's name, date, company, serial number, etc. So everyone can see why the cylinder was exchanged. This way, everyone can understand why the cylinder was exchanged.



We deregister with the operator and register the old cylinder for removal to the central warehouse. A transport company takes care of the transport.

**For an exchange we need 2-2.5 days with cranes, disassembly and reassembly and putting the system back of the system.**

We also replace the cylinders (weight approx. 260 kg), pitch eyes (link bearing head, weight approx. 25-30 kg), pivots (mount for a link bearing head, weight approx. 45-50 kg) pitch accus in the hub. These are filled with nitrogen and hydraulic oil. On the one hand they are pressure accumulators and on the other hand they are responsible for an emergency pitch procedure. If the turbine is overloaded, the accumulators empty abruptly and pitch the blades back to 90° in order to take the wind pressure off the blade. The rotor is thus braked and greater damage can be minimised.

**The safe condition of the turbine is established, the rotor can turn freely and the winch tracking is active, the nacelle always turns with the nose into the wind.**

**Christian Dose is a good example of a successful lateral entry into the wind industry, even if you have learned something completely different. The Onshore Projects department is very well suited for this. Do you have any questions? Feel free to contact us if you would like to join the team.**

## WindEnergy 2022

### Hamburg - a short review

As many people know, we are represented with our stand at a large trade fair every year in September. WindEnergy Hamburg and Husum Wind Messe always take place in alternating years. Both fairs deal with the topic of wind energy. While WindEnergy has an international focus, Husum Wind Messe concentrates on the German wind market and the surrounding countries.

### Why are we present there?

**Some are surely wondering why we make a point of being present at these fairs with our own stand every year. The answer is simple:**

We do this to keep in touch with our clients and network partners and to bring them into focus anew. People often work together for many years without ever meeting in person.

The trade fair is an ideal time for everyone to take the time to have personal conversations, address future goals and get closer together in a relaxed atmosphere. Often, the important impulses for the development of further cooperation arise here.



# Almost 2 years on the board of RTS Wind AG

## It's time for a few questions for Marvin Benker



**A little over a year ago, you - previously our Head of Rotor Blade - were appointed to the Board of RTS Wind AG. We reported on this in our last newsletter. What has changed for you since then, Mr Benker?**

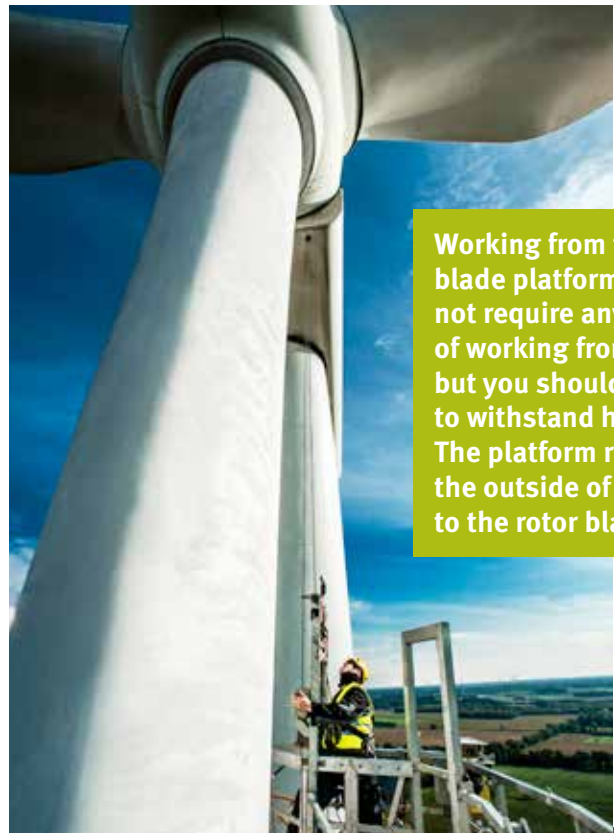
My focus has shifted significantly. Whereas before I dealt with 80 % technical issues and 20 % commercial ones, today it is the other way round.

**What concerns you most in the development of the RTS?**

My focus is clearly on foreign business and onshore wind turbines. I already had a lot to do with this when I was head of rotor blades, because the rotor blade sector has been very international since the beginning. Even then I made sure that all the specialist departments of RTS Wind AG were involved. This is even more important today as a board member. I have a special focus Europe.

**October 2023 will be your 10th anniversary at RTS. What does RTS mean to you?**

RTS has shaped my life. If only because I met my current wife here. But also in other ways. As a rotor blade technician, I was given the chance to set up my own department and now I get to run this company. I don't need to explain any further what that means, I think.



**Working from the rotor blade platform does not require any knowledge of working from the rope, but you should be able to withstand heights. The platform rises up the outside of the tower to the rotor blade.**

# Take your chance for more fitness!

**WELLPASS Corporate Fitness offers you more than 5,000 sports and health memberships throughout Germany. With a registration via RTS you are part of the network. And all that for a 20,- Euro per month.**

**Registration:  
Please write an email to:  
lohnbuchhaltung@rts-wind.de**

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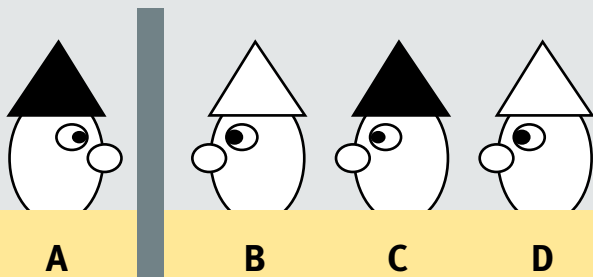


# Bienenjahr 2022

## Madlen's Puzzle Corner

**Four celebrities are buried up to their necks in the sand. They absolutely cannot move, not even turn their heads. Between A and B there is a massive, opaque stone wall.**

The celebrities know that all of them have a hat on (two of them black, two white, see below). But they do not know who wears which colour. To avoid being shot, one of them must manage to name his hat colour. If he gets it wrong, all four men meet an unpleasant demise on the spot, there is no second chance.



They are not allowed to talk and are given ten minutes to think. If they don't make it by then, it's the end for them too! After a few minutes, one says the correct colour of their hat and they are all allowed to stay.

**Who knew the right answer and why was he absolutely sure?**

The solution is below!



**Madlen Häusgen**  
Information Desk  
RTS Bremen

### Solution of the puzzle

The solution is C = black. D sees the hats of B and C. If B and C have the same colour, then D can only have the other colour. Since B and C are different, D can say nothing. But since D says nothing, C knows that he must have the other colour than B and C says black.

### 19th April:

The bees move in at the RTS headquarters: In future, they will fly over an area 5 km in diameter.



**Mai 2022:** Our bees are regularly checked and looked after by the beekeepers. They are starting to produce honey diligently.



### Juli 2022:

Now the bee summer is over again. The beekeepers collect the full combs and supply the bees with food for the winter.



### Harvest 2022:

Our bees have produced 26 kilos of honey. We are amazed!



Our honey made a total of 200 jars, which we distributed to business partners, employees and customers at Christmas.

# You want to be part of the team?

[jobs@rts-wind.de](mailto:jobs@rts-wind.de)

## IMPRINT

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For reasons of better readability, the language forms male, female and diverse (m/f/d) are not used simultaneously. All personal terms apply equally to all genders.



REGISTRATION

# Newsletter

**You are not an RTS employee, but would like to receive to receive our newsletter regularly and free of charge by mail? Then please contact our marketing department!**

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