



## AACII AEROSPACE MOBILITY NEWS 03/2023

### PARIS AIRSHOW TECHNICAL UNIVERSITY VIENNA DIEHL AVIATION

Prof Michael Weigand impressed at this year's Paris Airshow, seen here in the left picture. As part of the Expert Talk reception at the stand of the Technical University of Vienna, he addressed the latest developments in his research area of machine elements and aircraft transmissions. Also taking part in the Expert Talk were the Turkish company Havelan and Diehl Aviation VP Corporate Communications Guido van Geenen, pictured here on the right. From the Franconian region, Schaeffler Aerospace, Fraunhofer IISB Aviation, Leitztritz and Siemens Aerospace, among others, were present at the Paris Airshow.



### INTERVIEW AT THE HANNOVER FAIR ON INNOVATIVE DRONES WITH THE SHAREHOLDERS OF THE EMQOPTER GMBH, MD MARVIN BIHL AND CHAIRMAN DR. NILS GAGEIK FROM WÜRZBURG



What is particularly exciting for you as the Managing Director of the innovative drone manufacturer Emqopter at the world premiere of your new drone model here at the Hanover Fair?

Here in Hannover, we are noticing an enormous attention for this development of the fully autonomous delivery drone. It is exactly as we expected after all the recent inquiries. And we are prepared for this with all our capacities. Our customers come from the industry considering it to be the ideal solution for their businesses.

**Which advantages of your innovation are discussed most amongst business professionals and other interested parties?**

Emqopter is the flying robot, an "all-rounder" in civil applications. It is the first unmanned aerial system that is regularly operated in urban open airspace in Germany. Autonomous technologies are used in unmanned aerial robots for industrial applications. A spare part is thus transported from A to B in the shortest possible time. There is a great need. And virtual use facilitates horizontal road traffic and is therefore environmentally friendly. There are tailor-made drones for every need – this is also our strength.



**What can we expect from Emqopter - are your goals for the future to enter into new areas of application or to create further innovations?**

We are a dynamic team with founder and managing director in the technical area Dr. Nils Gageik and me, Marvin Bihl, as managing director in the commercial area. In the company with more than 20 employees, we develop technologies for unmanned aerial robots, which are increasingly to be used in industrial applications.

**Thank you, Dr Gageik and Mr Bihl, here at the Hannover Messe. We wish you a continuation of your great success!**

We are already looking forward to the 2024 AACII Congress, where we would like to present our latest delivery drones to a specialist audience of industry experts.

You can also find the entire interview on YouTube via the following link

<https://www.youtube.com/watch?v=EgTyO8yIuOE>

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## BERLIN EXPERT TALK IN THE BDI GERMAN INDUSTRY ASSOCIATION OFFICE



At the Nuremberg Aerospace Congress 2022, the expert summit led by Prof Dieter Kempf also included the representative of the BDI Matthias Wachter. The policy paper on the importance of aerospace for the local industry was a central topic. Participants asked for Expert Talks. Here in Berlin with host BDI from left: Dr. Clemens Kaiser from Rivada Space Networks, Dr Walther Pelzel Head of the German Space Agency at DLR, member of German Bundestag Karsten Klein, Ulrike Trapp AACII Congress, Matthias Wachter Managing Director of the New Space Initiative, Katharina Wagner, McKinsey and Company in exchange with over 70 participants from the industry. Everyone is looking forward to the next congress on Monday 14 October 2024, where the expert summit will be chaired by Matthias Wachter BDI.

## INTERVIEW WITH MATTHIAS WACHTER MANAGING DIRECTOR NEW SPACE INITIATIVE

*Mr. Matthias Wachter, when you took part in the first AACII Aerospace Congress in Nuremberg, you convinced the experts at the summit, chaired by Prof Dieter Kempf, that the industry has recognized and taken up the new future opportunities in space travel. You will lead the expert summit on October 14, 2024, the highlight of the second AACII Congress. From Berlin you are the head of the New Space initiative at the BDI, with the entire area of security, raw materials and space. Your training took you from Coburg, Upper Franconia, to Paris and New*

Editor in Chief: Dr. Wolfgang Mayer, Coordinator: Karin Köstler, Tec, IT: Robert Hempfling, Science: Guenay Can, Economy Industry: Valentin Schalit, Social Media: Aleyna Durkut Engin, European Aerospace: Sonja Fraas, Web: Michael Pröbster. Spittlertorgraben 15, D 90429 Nuernberg Tel: 0170 5546554 USTNR DE 24028130747 ID 15801735008

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*York. You were at the well-known Axel Springer Verlag, personal advisor to the BDI President and head of strategic planning, politics and coordination. You were an Officer in Bosnia-Herzegovina and are a reserve Officer in the Bundeswehr, the German military.*

**UT: What was the key driver for you to publish an aerospace study by the BDI Bund Deutscher Industrie?**

MW: Hello again and welcome here at the BDI in Berlin. I am very happy that you are here. Thank you for the good cooperation and the opportunity to say a few sentences here. The theme of space, new space, as we say, is the commercialization of space travel and is now a key for the space industry in Germany. With regard to networking, autonomous driving, Industry 4.0 - all of this is only possible with space-based applications, which is why we founded the German Industry Initiative a year and a half ago, which now has almost 80 members. As one of its first activities, this initiative has a policy paper, written on 32 pages with the topic "New Space Made in Germany" and has shown why space travel is so important for German industry but also for questions of security policy, for the environment and climate protection.

**UT: Game changing is on everyone's lips. New Space is usually understood as strengthening the commercialization of Space. The Space Port is launched 400 kilometers from the North Sea coast. What is the message of your current New Space study?**

MW: We have had a very, very dynamic development in Germany in recent years and many new companies have emerged, young companies thanks to courageous founders, private investors and we always say "Sky is not the limit". We have huge potential in Germany, we have great companies, great skills and an initiative that can launch small rockets made in Germany for a launch platform in the North Sea directly into space from the German North Sea. This is one of the topics that shows what ambitions the companies and we have and we want to work on that. We hope that, with the support of politicians, we will see a first start here.

**What role do environmentally friendly technologies play in industrial developments?**

MW: We would say New Space is part of the solution for climate protection. Why? We only know about climate change because we have data collected thanks to satellites that allow us to measure exactly how the climate and sea levels are changing, what is happening with the ozone hole, for example. That also means space travel, how the satellite data help us to better understand the earth's ecosystem, which is why New Space is a very central part when we talk about climate protection. And when we want to fight climate change, New Space is part of the solution and many companies, many of our members offer innovative approaches. From wildfire detection to ring smart farming in agriculture. As a result, fewer resources are used and much more good is created.

**UT: How do you see the chances of cooperation within Europe. I am thinking of France and also of the new cooperation between Bavaria and the Czech Republic?**

MW: I think we need to consider two aspects in Europe. On the one hand, we need cooperation on major projects, such as returning to the moon in heavy loads, and we also need more competitors. I think the reason why Europe is losing importance in space travel, for example compared to the USA and China, is that we have too few competitors within Europe and that needs to change. We need big projects, European cooperation on the one hand. On the other hand, just like the other areas, we need more competitors to carry innovations, to provide us with new technologies, so that Germany and Europe can once again be recognized more and on a global scale in this area.

# UPCOMING AEROSPACE EVENTS

## SEPTEMBER 2023

11	12	Commercial Space Days 2023	Luzern, SUI
11	15	World Satellite Business Week	Paris, FRA
14	14	Friedrich Alexander Uni. Innovation Day	Erlangen, GER
19	21	German Aviation and Aerospace Congress	Stuttgart, GER
26	28	World Aviation Days	Amsterdam, NED
27	28	Expodronica	Madrid, ESP

## OKTOBER 2023

02	06	International Astronautical Congress	Baku, AZE
05	05	Fraunhofer FKie AACII Expert Talk	Bonn, GER
10	12	Intergeo / Interaerial Solutions	Berlin, GER
10	13	interairport Europe	Munich, GER
17	19	Aviation Maintenance Week	Amsterdam, NED
25	27	AIRTEC	Munich, GER
26	27	European Drone Forum 2023	Cologne, GER

## NOVEMBER 2023

13	17	Dubai Airshow	Dubai, UAE
14	16	Space Tech Expo Europe	Bremen, GER
27	30	European Rotors	Madrid, ESP

## DEZEMBER 2023

19	20	Airport Exhibition Riyadh	Riyadh, KSA
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