



Description of the offer xxxvix
from <date>

WIWIPHOTO & FILM

MULTICOPTER | TIMELAPSE | OFFSHORE | 4K | 360°

Ulrich Wirrwa

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W. wirrwa.com

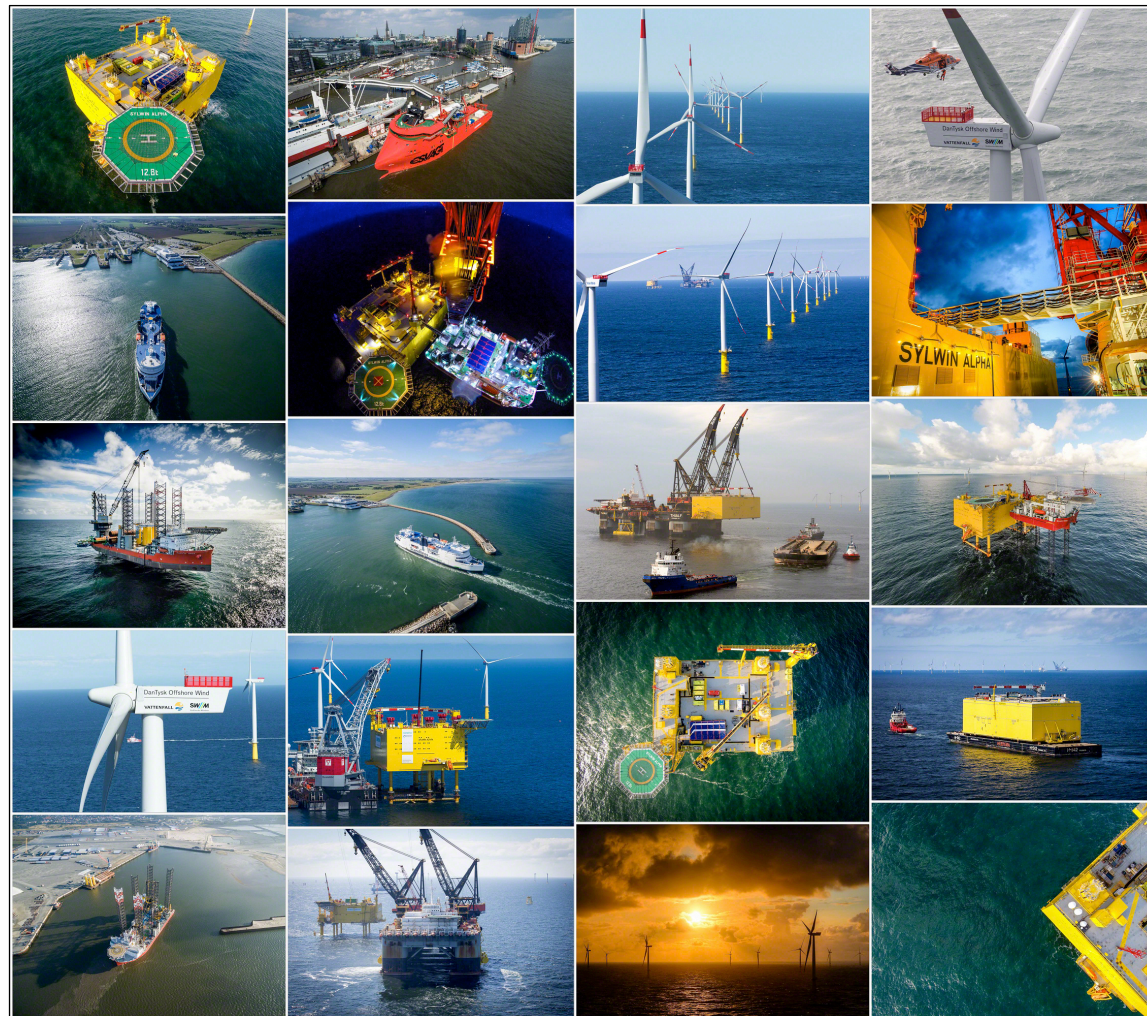
PHOTO/VIDEO/DRONE/TIMELAPSE/LIVESTREAM

VIDEO-CUT/INTERVIEWS/PROJECT-BOOK

WINDFARM



MOVIES AND PHOTOS FROM COOLEN PERSPECTIVES



OVERVIEW

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 - Photos | Videos | Imagefilm | Livestream-Webcast | Timelapse
 - Vivid Photo Gallery | Project-book | FinalCutPro X | Interviews | Drones
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MANAGEMENT SUMMARY

On the one hand, their goal is to receive photos and videos during the project <name>, which illustrate the progress of the project (eg also for use in social media and press releases) and at the end of the project a vivid photo gallery, a project book about the project milestones as well as to have an image film in the period from <month> / <year> to approx. <quarter> / <year>.

Current reference video:



08/2019: Stable power grid in Germany's Rhine-Main area

Siemens Statcom Kriftel

Client + screenplay: Ute Rohr,
Siemens AG, in case of
questions: +49 172 2151573

The video was completely
created by myself: photos,
videos, aerial and aerial
footage, and interviews.
FinalCutPro Video editing,
integration of the lyrics
(German-English) and
background music. As
revision tools we used my
online VimeoPro account.

Video-Link:
<https://vimeo.com/356596275/ce405f63dd>

- With Ulrich Wirrwa, you are hiring a passionate offshore photographer / cinematographer, who has been specializing since 2011 in the HVDC platforms HelWin1, HelWin2, BorWin2, SylWin1, BorWin3, OSS Albatros and others. The wind farms Nordergründe, Sandbank, HoheSee, NordseeOst, DanTysk and with the most up-to-date cameras and drones, full-time since 2016, looked after parts of the world from the production in the yard to the construction. "Movies and photos from cool perspectives" is my motto and for that I let an action camera from the platform with the fishing line in the water and use modern 360 ° cameras under my drone for surprising, spectacular shots.
- You'll get photos and videos of one person. The disadvantage of limited possibilities to create video and photo at the same time is almost compensated by the modern automatic recording techniques of the drones and action cameras. Your advantage: You save a small amount of space and high costs in your helicopter, CTV or construction vessel. Our project wins from our clear organization with our direct short communication channels with decision makers.
- By request I offer the opportunity for your easy project calculation on a flatrate of net xxxxxx € per month. The monthly flat rate includes PHOTOS / VIDEOS / DRONE / LIVESTREAMING / TIME LAPSE / VIDEO CUT / INTERVIEWS and the PROJECT BOOK, plus travel and printing costs.



I'm looking forward for your order.

PHOTOS

I edit the RAW images with Lightroom and make them available as a jpg and tiff file in high resolution. On the contact sheet, all motifs are clearly displayed in small format with file name.

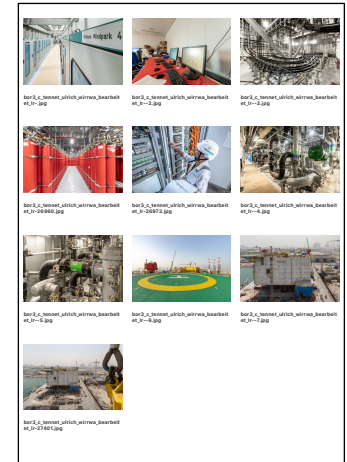
As a camera I use the high-end full-frame cameras CANON 1DX Mark II
21 megapixels in jpg and raw format with 6 different L-lenses:

- EF 8-15mm f/4L Fisheye USM
- EF 16-35mm f/2.8 II USM wide
- EF 24-105mm f/4L IS USM
- EF 24-70mm f/2.8 L II USM Universal-Zoom
- EF 70-200mm f/2.8L IS II USM incl. Extender EF 2x II Tele
- EF 85mm f/1.8 USM Portrait

Furthermore, I create photos with the full-frame camera SONY A7R2 with 43 megapixels with 35mm Zeiss lens in jpg and raw format.

With the Action-Cams GoPro Hero 5,6,7 and 8 (all black version) as well as DJI OSMO Action with special mounts, such as. Attached to the ship's crane by magnet, I create photos, videos and time-lapse with 12MP in mp4, jpg and raw format.

360 ° photos and videos are created with the Ricoh Theta Z1 and INSTA360 ONE cameras.



VIDEO - FOOTAGE

The material I provide you in the following formats available:

- in mp4 / mov format (h.264 or h.265) in a resolution of at least FullHD, if possible better in 4k at 25FPS (on request if possible in 50FPS)

With the following 3-axis gimbal cameras, I record videos in mp4 / mov format:

- DJI OSMO Pocket UHD Resolution 3,840 x 2,160 with 25FPS, on request up to 50 FPS at 100 Mbit / s
- Apple iPhone 11 Pro Max with 12 megapixels, 4K resolution with 25FPS up to 50FPS with DJI OSMO Mobile 3
- GoPro Hero 7 with 12 megapixels, 4K resolution with 25FPS up to 50FPS with Freevision Vilta 3-axis gimbal
- Sony A7RII with 43 megapixels, 4K with 25FPS with DJI OSMO Ronin-SC



IMAGE-FILM

Hand-held image clips are shot in the highest quality with the CANON XF405 camcorder.

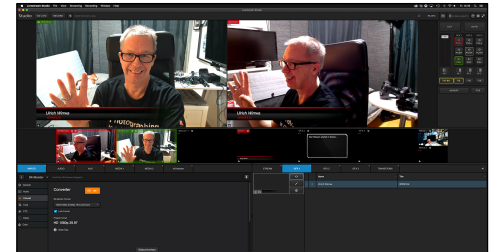
- Image sensor 1 " (effective) CMOS
- 4K UltraHD (UHD 2,160p) resolution with 3,840 x 2,160 (16: 9) 25 / 50FPS
- 15x optical zoom with internal lens mount
- 3 ND filters
- Dual Pixel CMOS Autofocus
- Optical Image Stabilizer
- Video codec XF-AVC, MP4 H.264
- WLAN and LAN connectivity and IP-streaming, HDMI and 3G-SDI
- Including EDELKRONE Slider, SYRP motion control devices and RONIN-S Gimbal



LIVESTREAM - WEBCAST

Live streaming with **chat in FullHD**, Interaction with unlimited participants worldwide **without advertising**

- Live interaction tools: chat, Q&A, live surveys and links to Download media content
- Transfer in FullHD with adaptive streaming to your end devices and browser without software installation
- unlimited number of participants worldwide
- Livestream also with **private link, password** and embedding authorizations in your website
- Customizable player with your logo and lower thirds directly above yours Browser, without over-the-counter, without advertising
- Stream live anywhere: LTE real flat rate from Vodafone, Telekom and O2
- Virtual control room with professional Transitions to multiple cameras and microphones
- Screen sharing e.g. for your Show PowerPoint chart
- Multi-channel streaming on RTMP servers and in parallel across platforms like Facebook, Youtube and Twitch
- Built-in chroma key for green backgrounds
- Start of live streaming ad hoc or announced in advance
- At the end of the event, the video will be automatic archived online



<https://vimeo.com/397304285/6145419249>

TIMELAPSE PHOTOS + VIDEO

If a time-lapse recording has to take a long time, several days, weeks and months, I use my WIWI TIMELAPSE SYSTEM consisting of:

1. CAMERA:

The camera type **AXIS P1448-E** is used, here the most important technical data:

- 4K (3.840x2.160)
- 5 MP photo resolution in JPG format
- on request with date and time stamp
- Remote-controlled optical zoom function with 37 ° to 109 ° horizontal field of view
- Power over Ethernet
- Day and night function
- Weather protection IP66 / IP67
- Operating condition -40 ° C to 60 ° C
- AXIS T91A47 mast bracket



TIMELAPSE-SYSTEM

2. DATA STORAGE AND TRANSFER:

The mobile **WIWI-TIMELAPSE case** is used

- Remote multiple selectable recording intervals of 1 image per second / minute / hour
- Parallel recording locally and online encrypted transmission and storage on my server in the office near Hamburg
- NAS server with Raid HotSwap, hard disks exchangeable during operation
- 2 LTE mobile cards Remote access to live image and system monitoring with password and firewall
- Active notification of defined events by SMS and e-mail
- UPS battery-backed system for 10 minutes
- Automatic reboot after power off
- Weather protection IP43 for indoor use
- Operating condition 5 ° C to 40 ° C



TIMELAPSE-SYSTEM

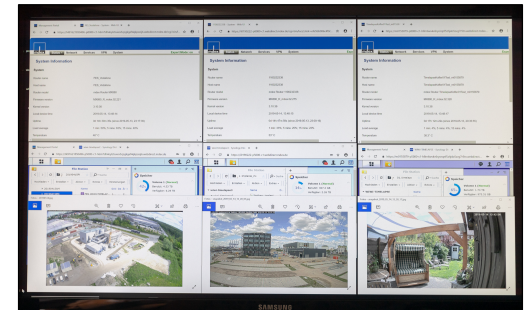
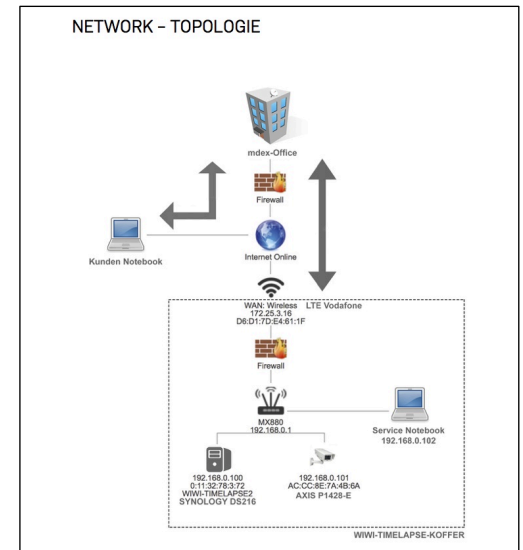
2. REMOTE-OFFICE:

In the office near Hamburg ...

- The camera images are displayed on the monitor at least once a day, so that lens contamination, such as light pollution, may occur. Bird droppings or spider webs detected as soon as possible.
- The most important key data, such as temperature, mobile signal strength, amount of data transmission and error messages are continuously retrieved from the LTE router and displayed to detect system faults as early as possible.
- The most important data, hard disk status, hard disk temperature and available memory are continuously retrieved from the Synology NAS and displayed.

In the office near Hamburg can remote ...

- The privacy mask can be set up
- The optical zoom can be set between 37 ° and 109 ° in the horizontal field of view
- Set up the recording intervals



VIVID PHOTO GALLERY

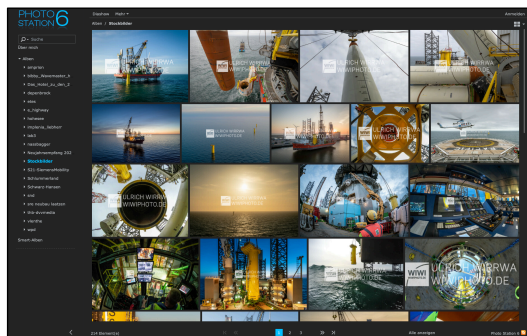
At the end of the project, you would like a vivid photo gallery and a project book about the project milestones.

In addition to the transfer by external hard drive, the upload via WeTransfer I also offer the use of my own password-protected server "Photostation" on which I like to provide the pictures for project milestones in folders at least 5 years after the project ended. The computer is protected in my own office with a firewall against unauthorized access. The connection is with fast Internet from Vodafone with 200 MBit/s with own firm IP address.

Link to the customer folder:

https://multikopterfoto.de/photo/?t=Albums/album_4f666673686f726562696c646572#Albums/album_4f666673686f726562696c646572

Password possible



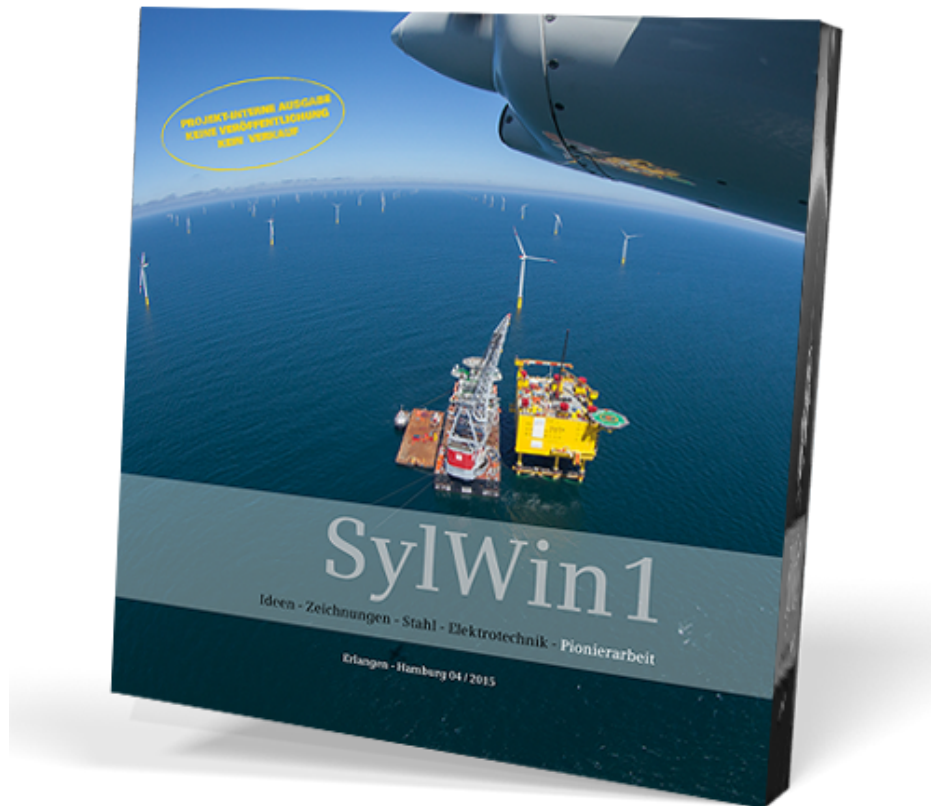
Die Archivierungslösung
für Fotografen

Synology DiskStation DS1517

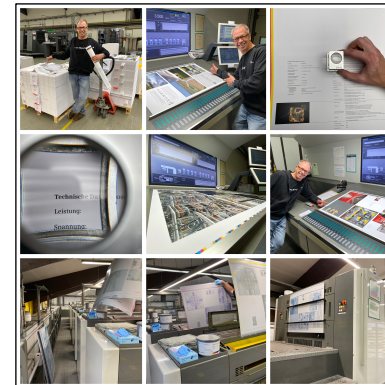


PROJECT-BOOK

For the Siemens AG I have created two photo books "SylWin1" and "BorWin3" with Adobe and print, e-book version is included:



Printing process:	offset printing
Pages:	128
Format:	30 x 30 cm
Paper:	white, matt
Equipment:	Hardcover with photo print
Edition:	750 pieces
Printing costs:	net € xx.xxx, -



FINALCUTPRO X

You required that once a month a short film about the project progress and at the end of the project an image film will be created.

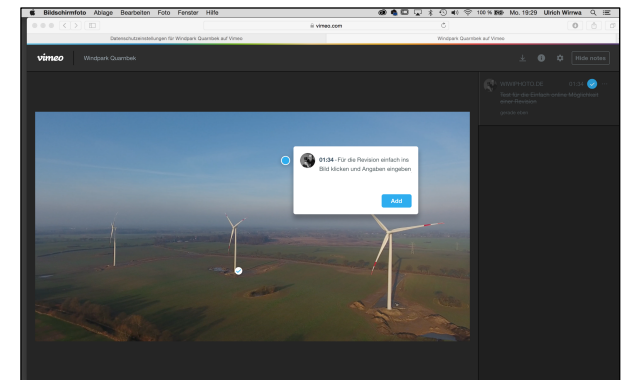


- I cut the film underlays with O-tones with FinalCutPro on the IMacPro.
- All raw material I present you on 2 hard disk formatted in Mac / Windows format

How will the film be provided for review?

- I load the finished movie on my VIMEO.COM PRO account with a password. You can simply enter your remarks online in the timeline image.
- For the change requests, I can enter answers directly online.

Through this online collaboration, the processing time to the finished film is extremely short.



INTERVIEWS

How are the audio recordings made:

As a discreet lapel microphone in broadcast quality with lower noise with practical omnidirectional characteristics, the Rode Lavalier clip-on microphone with the IPHONE recorder and the two-channel audio recorder ZOOM F1-LP are used.

Wherever possible, I use the Rode Wireless Go digital audio links.

Recordings of the highest quality sound are created with the mobile audio recorder ZOOM H6. 3 exchangeable microphones (directional microphone, 90 ° and 120 °) with windjammer against wind noise are available.

Overriding by other background noises are avoided by 2 parallel recordings (normal and -20dBa).

On the DSLR cameras, I attach a Rode Condenser Camera Microphone to Stereo VideoMic Pro.

The data format is .WAV or mp3



DRONE AERIALPHOTOS+VIDEOS

You would like to use drone shots of the motives, if there is a start permission.
The footage will be handed over as mp4 (codec h.264) and 4K / UHD recordings will be made.

I have collected mostly offshore experiences in about 800 drone flights in the last 7 years and use the following drones:

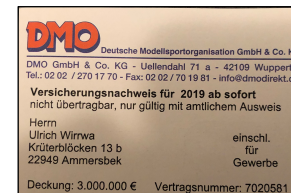
Höchste DJI Drohnenkamera
Bildqualität: In



1. **DJI Inspire2 X7** 16 and 50mm 14 f-stops Dynamic range
Photos: 24 megapixels, formats JPG / TIFF / RAW
Videos: Super 35mm sensor, resolution 17: 9 4K 4,096 x 2,160 pixels and UHD 3,840 x 2,160 pixels, 30 to 60FPS with 8-bit depth, 100Mbps, format mp4 H.264 on request H.265
2. **DJI Mavic 2 Hasselblad**
Photos: 20 megapixels, with eHDR 14 EV aperture range dynamic range, formats JPG / TIFF / RAW
Videos: 1" CMOS sensor, resolution 16: 9 UHD 3,840 x 2,160 pixels, 30FPS, 10-bit Dlog-M color profile, 10-bit HDR video, H.264 on request also H.265 / HEVC

All my drones are provided with the prescribed refractory address stickers.

Every year, I extend the threat insurance with cover of 3,000,000 € for commercial use.



DRONE PILOTS LICENSE

Proof of knowledge according to German §21d LuftVO and Denmark Dronebevis Kategori 1B:

Name und Anschrift der anerkannten Stelle:

Ralf Spoerer - Copter College
Schwartenseekamp 9
22880 Wedel

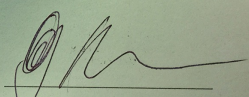
Anerkennungsnummer: DE.AST.026

Name: **Ulrich Wirrwa**
Geburtsdatum: **03.09.1961**
Geburtsort: **Hamburg**

hat in einer Prüfung nachgewiesen, dass er über ausreichende Kenntnisse gemäß § 21a Absatz 4 Satz 3 Nr. 2 der Luftverkehrs-Ordnung für das Steuern von unbemannten Luftfahrtgeräten verfügt.

Datum der Prüfung: **17.09.2017**
Ort der Prüfung: **Tornesch-Ahrenlohe**
Name des Prüfers: **Ralf Spoerer**
Diese Bescheinigung ist gültig bis: **17.09.2022**

Ralf Spoerer
Schwartenseekamp 9
22880 Wedel


Tornesch-Ahrenlohe / 17.09.2017

Bemerkungen:


Diese Bescheinigung ist beim Betrieb von unbemannten Fluggeräten von mehr als zwei Kilogramm Startmasse vom Steuerer im Original zusammen mit einem amtlichen Lichtbildausweis mitzuführen.

Bescheinigung über eine bestandene Prüfung zum Nachweis ausreichender Kenntnisse zum Steuern von unbemannten Fluggeräten gemäß § 21a Abs. 4 Satz 3 Nr. 2 der Luftverkehrs-Ordnung.

Bescheinigung Nummer:
#022

Name und Anschrift der anerkannten Stelle:

Ralf Spoerer - Copter College
Schwartenseekamp 9 • 22880 Wedel 9
Anerkennungsnummer: DE.AST.026



Nr.: 0489

Ulrich Wirrwa
geboren am 03.09.1961


hat am 17. September 2017 in Tornesch-Ahrenlohe am Fachlehrgang

"Befähigung zum Führen eines Copters"


teilgenommen. Er hat damit das Wissen und praktische Können erworben, um einen Multicopter (Drohne) führen zu können.

Der Lehrgang umfasst die auf der Rückseite aufgeführten Themen sowie Flugpraxis.
Dauer: 7 Lehrgangsstunden in Theorie und Praxis

Tornesch-Ahrenlohe, 17. September 2017


Referent - Ralf Spoerer

Copter College • Ralf Spoerer • Schwartenseekamp 9 • 22880 Wedel
mail@copter-college.de • Telefon: 04103 818545 • Mobil: 0171 5307757


Danish Transport and Construction Agency

Dronebevis

Bevis nr.: 4353446

Navn: Ulrich Wirrwa
Identifikationskort: 125522245
Tyskland
1961-09-03

Kategori og bevistype:
II. Multirotor / Helikopter - 1B Op til 7 kg

Anden flyvningsart:
Udstedelsesdato: 06-03-2017
Uddannelsessted: INTEGRA AVIATION ACADEMY, DENMARK APS

Kategorier:	Bevistyper:	
(I) Fixed wing / Svævefly	Dronebevis 1A	Op til 1,5 kg
(II) Helikopter / Multi-rotor	Dronebevis 1B	Op til 7 kg
(III) Luftslib / Ballon	Dronebevis 2	Op til 25 kg
(IV) Powered-lift		
(V) Special klasse		

Dette dronebevis er udstedt i henhold til den danske lovgivning om flyvning med droner og giver ret til at flyve med den angivne type og kategori, så længe det kan dokumenteres at gældende flyvetidskrav i *Bekendtgørelse om flyvning med droner i bymæssigt område* er opfyldt.

DRONE PERMITS

For the filming, I pay attention to all relevant drone ascension pads and obtain any permits, such as currently my 18-month exemption for the rise of unmanned aerial systems on the Elbe from a ship to be allowed to record the Elbe well.

Schleswig-Holstein
Der echte Norden

LBV.SH
Schleswig-Holstein
Landesbetrieb
Straßenbau und Verkehr

Landesbetrieb Straßenbau und Verkehr Schleswig-Holstein
-15008-, Königsweg 59, D-24114 Kiel

Vorab per Mail
Herrn
Ulrich Wirrwa
Krüterblöcken 13b
D – 22949 Ammersbek

- Luftfahrtbehörde -
Ihr Zeichen:
Ihre Nachricht vom: 04.03., 05.09.11 und 16.07.2019
Mein Zeichen: 15008623.250-119.97
Meine Nachricht vom: 05.03.2019
Herr Eweilt
Edwin.Eweilt@lbv-sh.landsh.de
Telefon: 0431 383-2408
Telefax: 0431 383-2100

1. August 2019

Die Luftfahrtbehörde Schleswig – Holstein erteilt zum Aufstieg
von unbemannten Luftfahrtsystemen gemäß
§21b Absatz. 1 Nr. 5, 6 und Abs. 3 LuftVO folgende

I.

Ausnahmegenehmigung

Steuerer: Ulrich, Wirrwa
Geburtsdatum, -ort: 03.09.1961, Hamburg
Anschrift: Krüterblöcken 13b
22949 Ammersbek
Mobil-Telefon: 0176 / 20 78 30 79

Umfang der Erlaubnis:

- Diese Erlaubnis umfasst den Betrieb eines unbemannten Fluggeräts mit einer Startmasse von maximal 5 Kilogramm, soweit er
- ohne Verbrennungsmotor oder Raketenantrieb,
- innerhalb der Sichtweite¹ erfolgt,

¹ § 21b Absatz 1 Sätze 2 und 3: „Der Betrieb erfolgt außerhalb der Sichtweite des Steuerers, wenn der Steuerer das unbemannte Fluggerät ohne besondere optische Hilfsmittel nicht mehr sehen oder seine Fluglage nicht mehr eindeutig erkennen kann. Als nicht außerhalb der Sichtweite des Steuerers gilt der Betrieb eines unbemannten Fluggeräts mithilfe eines visuellen Ausgabegeräts, insbesondere einer Videobrille, wenn dieser Betrieb in Höhen unterhalb von 30 Metern erfolgt und 1. die Startmasse des Fluggeräts nicht mehr als 0,25 Kilogramm beträgt oder wenn 2. der Steuerer von einer anderen Person, die das Fluggerät ständig in Sichtweite hat und die den Luftraum beobachtet, unmittelbar auf auftretende Gefahren hingewiesen werden kann.“

Dienstgebäude: Königsweg 59, 24114 Kiel | Telefon: 0431 383-0 |
www.lbv-sh.de | Stand 22.09.2016

Schleswig-Holstein
Der echte Norden

LBV.SH
Schleswig-Holstein
Landesbetrieb
Straßenbau und Verkehr

- 2 -

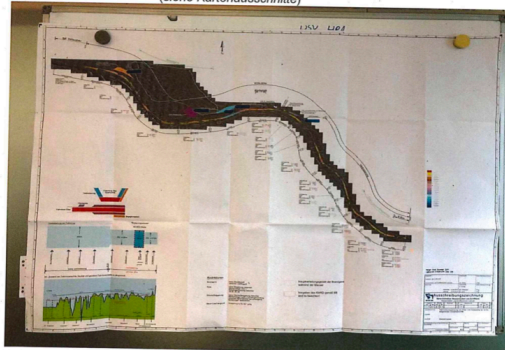
- nicht nach § 21b Absatz 1 und 2 LuftVO verboten ist
(siehe zugelassene Ausnahmen entsprechend Ziffer IV.)
und
- nicht auf Geländen stattfindet, die fortgesetzt für die Ausübung des Modellflugsports
genutzt werden.

Unbemanntes Luftfahrtsystem:

Mavic 2
Elektromotor
Hersteller: DJI
2,4 GHz
Foto-/Videotransmitter: 5,8 GHz
Gesamtgewicht: 0,734 kg

Zweck: Luftbild- und Videoaufnahmen

Geltungsbereich: Mitten auf der Elbe
vom Schiff aus
(siehe Kartenausschnitte)



Dienstgebäude: Königsweg 59, 24114 Kiel | Telefon: 0431 383-0 |
www.lbv-sh.de | Stand 22.09.2016

SAFETY OF WORK

I will pay attention to the necessary work clothes and personally point this out in the pre-shift on board "Tool-box-Talks" on a daily basis.



MODEL-RELEASE

I will try to get a consent from all identifiable people that the individual declares that they agree to the use of the material in publications or online communications. I let the respective person fill out the corresponding form. If this is not possible in the respective situation, I write down the names of the depicted persons and the company name.

Has proven the use of my smartphone app "Easy Release":

The texts are stored, from the model I create a photo with the app, the model fills name and address, signs with the finger. Immediately a PDF comes to the model by e-mail, to customer and to me - finished, documented and digitally archived.

15:49 4G

< Easy Release Norman Stolz

Freigabezusammenfassung

 **Norman Stolz**

Status: **Gesendet**

Aktualisiert 14.08.18 12:28

Rechtlich

Sprache: **Deutsch**

Version: **TenneT and Siemens AG english**

Nachtrag

Fotograf

Name: **Ulrich Wirrwa**

Fotosessionen

Info: **Bor3 Fifi Room**

Ort: **Dubai Aed**

Datum: **Di. 14. Aug. 2018**

Modelle

Name: **Norman Stolz**

Adresse: **St. Stefan Str. 20
Aichach, Bayern 86551 Deutschland**

Kontakt: **norman.stolz@siemens.com**

16:18 4G

Abbrechen Freigabe für Fotom... Senden

An: mail@wiwiphoto.de

Kopie/Blindkopie, Von: mail@wiwiphoto.de

Betreff: **Freigabe für Fotomodelle für Norman Stolz**

Freigabe für Fotomodelle für Norman Stolz

Aufnahme: **Bor3 Fifi Room/1**
Aufnahmedatum: **14.08.18**

Freigabe-ID: **00020**



WIWI & PHOTO
CONSENT ASSIGNMENT
OF RIGHTS

Daten des Fotografen/Filmmachers und Aufnahmen
Name: **Ulrich Wirrwa**
Unterschrift: 
Datum der Unterschrift (tt.mm.jj): **14.08.2018**
Datum der Aufnahmen (tt.mm.jj): **14.08.2018**
Land & Region/Bundesland: **Dubai Aed**
Beschreibung/Ref.: **Bor3 Fifi Room/1**

Daten des Modells
Name: **Norman Stolz**
Geburtsdatum (tt.mm.jj): **05.04.1968**
Anschrift: **St. Stefan Str. 20
Aichach, Bayern 86551
Deutschland**
Telefon: **004989636632262**
E-Mail: **norman.stolz@siemens.com**
Unterschrift: 
Datum der Unterschrift (tt.mm.jj): **14.08.2018**

WIWI & PHOTO
+49 176 20783079

CONSENT ASSIGNMENT OF RIGHTS

Consent granted to TenneT Group concerning the production and use of personal images in the form of photographs and video recordings

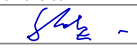
1. TenneT TSO GmbH intends to give the media attending on the day the opportunity to produce personal images of me and/or have personal images produced by third parties at the following occasion.
2. I hereby consent to the media or the respective third-party taking photographs and making video recordings of myself.
3. The pictures will be made accessible and used as follows:
a) in printed matter of TenneT
b) in the Intranet and Internet services of TenneT, including all sub services
c) by way of distribution to other journalists for the purpose of publication in print and online media.
4. I hereby consent to these images being used by the media as specified above, without imposing any restriction in terms of where or when they are used.
5. The rights to said images are granted free of charge and include the right to edit the images, provided editing does not disfigure the image.
6. I hereby waive any claims that may result from the images being used by the media, the school or third parties for the purposes set out above.
7. I acknowledge that the intended publication on the Internet means that my images can be accessed and stored by internet users worldwide. The associated data can then be found using so-called search engines. It may also happen that other persons or companies link these images with other data of TenneT available on the Internet, modify the images or use them for other purposes. The images may still be accessible via the archiving function of search engines after the information has been deleted from the aforementioned Internet services.
8. I hereby waive any claims against TenneT and/or the media that may result from legal infringements caused by the publication of the images on the Internet or in any other way.
9. TenneT and the media are authorised but not required to make a mention of my name in connection with the image.
10. All rights are granted unconditionally and irrevocably. The same applies for the waiving of all claims against TenneT and/or the media.
11. This provision will remain effective after my employment with the company has ended.

Norman Stolz



Daten des Fotografen/Filmmachers und Aufnahmen
Name: **Ulrich Wirrwa**
Unterschrift: 

Datum der Unterschrift (tt.mm.jj): **14.08.2018**
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Daten des Modells
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CUSTOMERS LOGOS + SECURITY

For professional Photos and Videos I do not accept a person who holds a cigarette or has it in his mouth and no one who has his hands in his pockets.

If there are customer logos on site, I record them. I also offer to bring customer stickers, customer helmets and / or jackets and vests with the customer logo and place them in the right place so that the customer logo is clearly visible.



SAFETY - CERTIFICATIONS

The topic of safety has the highest priority for me and your company in all areas.
For offshore photography and filming I am offshore certified and have the following documents and evidence, which I regularly renew:



Every time you visit a shipyard, facility or ship, I take part in the local safety briefing.

PHOTOGRAPHERS PRESENTATION



„Photos and movies from cool perspectives“
that's his motto.

Ulrich Wirrwa, b. 1961 in Hamburg, married, 2 children, is out of passion with the camera since a young age looking for motifs from unusual perspectives. With chartered airplanes and helicopters, it has been possible for many years to produce particularly impressive photos from an aerial perspective. For more than 7 years specializes in aerial photography using drones in conjunction with high-quality cameras. In recent years, numerous onshore and offshore wind farm photo and film projects have been implemented for its customers. His clients include e.g. companies such as wpd, EnbW, SiemenGamesa, TenneT, Eurogate, DEME-Group and Siemens AG.

The home port of Ulrich Wirrwa is Ammersbek near Hamburg, his field of operations worldwide. For compliance with the occupational safety regulations on construction sites, he acquired the HSE Examination for Operational Employees, valid until 2023 according to document 018 of the Normative SCC Rules and regularly renews all necessary offshore certificates: Suitability Test OKUK / G41, Working at Heights GWO, GWO First Aid, Fire Awareness GWO, Manual Action GWO, Personal Security, Basic Offshore Safety Induction & Emergency Training incl. HUET, Helicopter Underwater Escape Training including CA-EBS and Escape Chute Training to OPITO.

Ulrich Wirrwa has a liability insurance for photographers of € 10 million, a special liability insurance for commercial drone flight, since 1 October 2017 he has a drone pilot license according to § 21d LuftVO and the "Dronebevis" No. 4353446 of Danish Transport and Construction Agency.

But most importantly, Ulrich Wirrwa enjoys the recordings of the exciting projects.

REFERENCES

Julia Sauer – PQ/PR Coordinator
Bilfinger Marine & Offshore Systems GmbH:

*„The film and photo shootings of our installation work for offshore wind foundations in the North Sea impressed us. A professional look, technical know-how, a keen sense for the staff on the installation ship have led to a great result.
Thanks to the drone shots, the complex technical processes are very vivid and presented from spectacular perspectives. “*
Example movie, see: <https://vimeo.com/wiwiphoto/sandbank>



Lars Kläschen – press officer
Siemens Region Nord:

„Mr. Wirrwa always shoots the EXTRA-MILE at his photo shoots to shoot more interesting pictures than the other photographers, so we like to book him “

For further questions please call: 0049 (0) 40 / 2889 – 2309

Thorsten Fitzner, Technischer Leiter, Nordsee Nassbagger

*„Mr. Wirrwa has been our home and farm photographer for many years and delivers us great Perspectives of our dredger ships. I got the first chance this month (February 2020) watching the live broadcast of our work on the Elbe from my office.
Mr. Wirrwa was traveling with his cameras on our crane ship on the Elbe.
Great transmission quality, not a single video dropout in the 6 hours of work until the boulder is deposited on Wedeler Beach.“*
Example movie, see: <https://vimeo.com/397304285/6145419249>



CUSTOMERS



Dredging, Environmental
& Marine Engineering



Rathaus Bürgermeister Horst Ansen, RRW-Kalender Ruhe, Vattenfall, FDP, TBQ, Siemens, Freiwillige Feuerwehr Hoisbüttel, TUI Cruises, Bestattungen Goedecke, relaxa Hotel Bellevue, Farahnaz Abendmoden, Freiwillige Feuerwehr Bünningstedt, Peugeot Scooter, Stetzka Steuerberatung, KTG Kraftfahrzeug-Technik, Hamburg Marketing, TC Zündfunke, HamburgMusik gGmbH Laeiszhalle Hamburg - Elbphilharmonie Hamburg, HOMOTH Medizinelektronik GmbH & Co KG, Bilfinger-Berger, Architekt Schnittger+Partner, IBH-Elektronik GmbH, DMOCH-Mode, Grimm-Schweisstechnik, Visavis Filmproduktionsfirma, IVECO Nutzfahrzeug-Service GmbH, VAEPLAN, Freiwillige Feuerwehr Klein Hansdorf, Technische Universität Hamburg TUHH, MK-Timelapse, MJM Steelman24, Band SUPERKERLE, Switch-Event Motorrad Training, North Frisian Offshore, Recharge Renewable Energy News, Nordmetall - Aktiv im Norden, Zum Pferdeshof am Gutshof, Cineflight, BMS A/S Crane Denmark, PowerFlow Fitness GmbH, Harburger Gospelchor, Tactical Responder®, Radiologische-Allianz, Jenner-Egberts Architektur Fotografen, Betonbau GmbH&Co.KG, Siemens Windpower GmbH, WPD Windpark Nordergründe, Oliver Zimstern Multikopterfotograf, Nordic Yards Wismar GmbH, Die Grüne Manufaktur, Kaffeehaus Goldmarie am See, Van Oord, Eurogate, Stadtplan St. Georg, Rockgruppe DieMannschaft, DEME-Group Nordsee Nassbagger, F+Z Baugesellschaft, EnBW, TenneT, lab3, Powerlines-Group, Depenbrock, Implenia, AutozugSylt, Otary-Rentel, Hamburg-Invest, Hamburg Marketing GmbH, SwireBlueOcean, Deutsche Bahn S-Bahn Hamburg