

## A career in the UAV (Unmanned Aerial Vehicle) Drone industry?



Photo: Szilvia Szilagyi - Warsaw - Park Skaryszewski - Dji Mavic Mini



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# What we see and what it should be?



**5** GENDER  
EQUALITY



Close the Gap to be more diverse for the current  
and next Generation



## Drones power The future of Aviation



### Code a drone

Yes! You can code a drone



### Flying a drone

Scale up your skills with robotics



### Building a drone

Build your carrier with  
engineering skills

+women +revenue for the company

## The gap in the industry

Under  
represented,  
women, girls

Less women  
representative in  
the drone industry

Sky, space is for  
everyone not only  
for one gender

Diversity need to  
be emerge

Lack of  
information

Other

# Drones used in (all) Industries

Photogrammetry

Traffic  
Monitoring

Weather  
monitoring

Precisions  
Agriculture

Bio - agriculture

Academic /  
Research

STEM education

Healthcare

Sports  
activity/Outdoor

Team building for  
companies

3D Printing/Tech  
field

Video, -  
Photography

Risk, - disaster  
management

Land mapping  
and surveying

Urban and rural  
city planning

Drone delivery  
service

Home  
inspections/ -  
Real Estate

Drone parts  
retailing and  
repairs




Photo: Unsplash.com


# Women behind the Drone Industry

AMSTERDAM  
**DRONE HYBRID**  
WEEK 21-23 MARCH 2023


**ADW STAGE:**  
Women behind the Drone Revolution - DroneTalks



Nina Dertmayr  
Cambridge  
Consultants



Diana Seeger  
Spright



Eszter Kovács  
DroneTalks



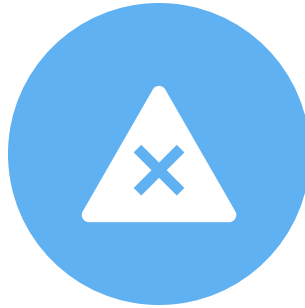
Jennifer Player  
Skydio

March 23, 2023 / 12:30 - 13:30

# Everyone/Women in Tech



BURN OUT IS HOT TOPIC  
NOWADAYS



IT'S THE SYSTEM WHICH  
IS WRONG



THE SYSTEM NEEDS TO  
BE CHANGED TOGETHER

## Drones are more affordable



Easy to control

Teach about STEM subjects

Hobby  
Education  
Professional usage



# Hidden jobs

Drone Pilot

Data Analyst,  
Inspection,  
Mapping

Engineers,  
Electric  
technician ect.

Software &  
Technology

UAV/AAM  
systems &  
components

Designer

Project  
development

Sales and  
Marketing

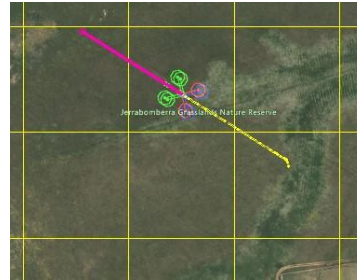
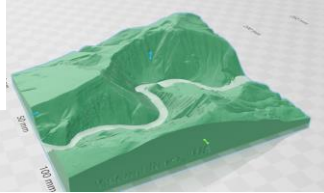
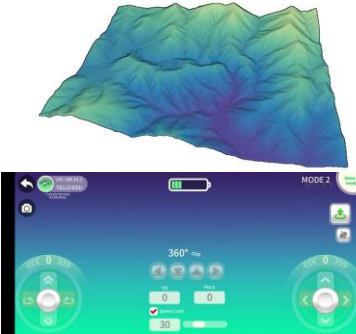
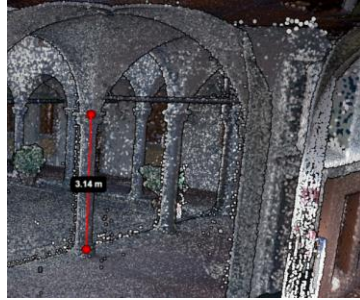
Entrepreneurs

Researcher,  
tester,  
educators

Support role:  
customer  
service, admin

# Exited field

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STABILIZE> mode guided  
STABILIZE>  
GUIDED> GUIDED> arm throttle  
GUIDED> takeoff 10  
GUIDED> Take Off started  
  
GUIDED> arm throttle  
GUIDED> takeoff 10  
GUIDED> Take Off started
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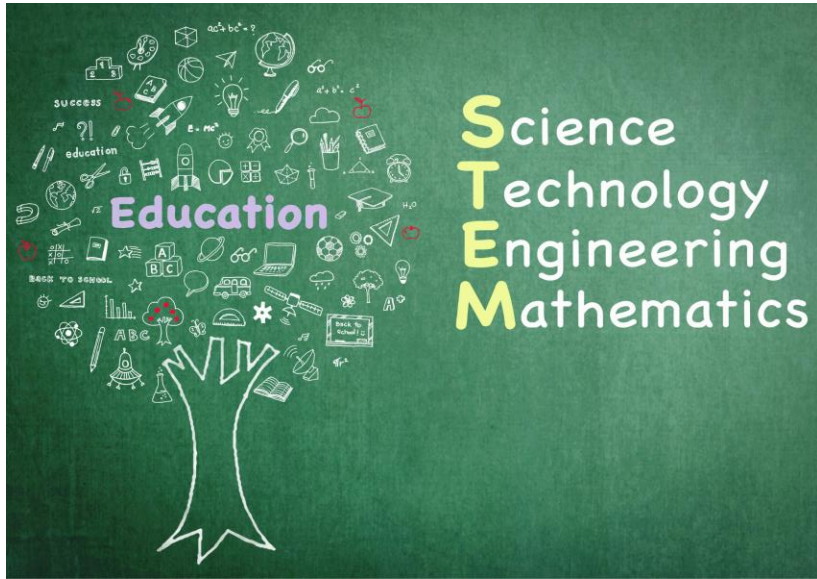


Photo: Unsplash.com

# What kind of qualifications do you need?

## Curiosity both for introverts and extroverts

## Learning engagement in Drones, Robotics, and STEM education

# You learn by doing it, Step by Step

Attend our workshop as a start - We support everyone, with all background

Women in Tech, GIS, and Remote sensing fields, engineers, drone pilots

# What skills can you learn from UAVs

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Drones Developing Motor Skills and Hand-Eye Coordination. ...

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Drones Teaching Coding. ...

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Drones with STEM education

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Drones Teaching the Laws of Physics. ...

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Drones Building Intellectual and Creative Skills. ...

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Drones Providing Hands-on Learning Experience. ...

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Writing Exercises. ...

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Physical Activities. ...

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Maths Teaching Tool ...

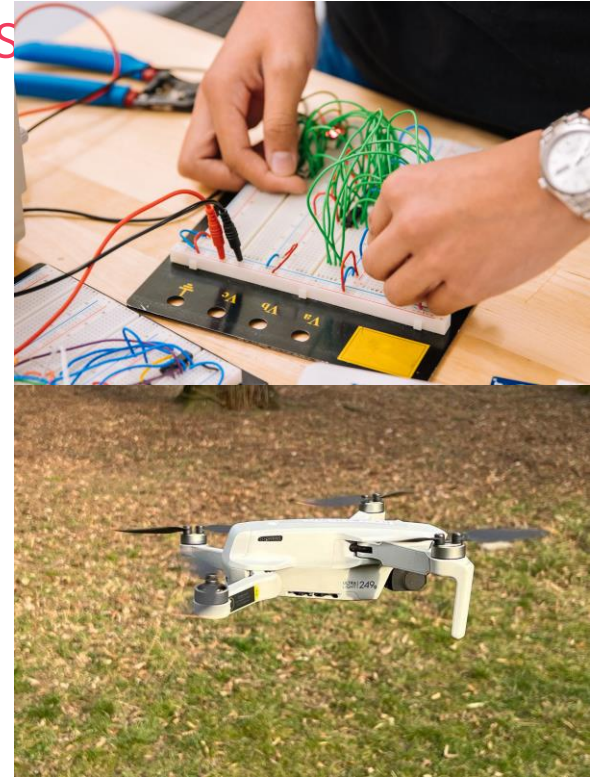


Photo: Unsplash.com

# Hobby - Education - Professional usage

Drone  
photography

Film industry

STEM education  
/be an educator

Schools needs  
drone  
tutor/trainer

Drone in the  
classroom

Healthcare (video)

GIS, mapping

Data analyst



# Precision Agriculture

To support small farmer holders

Type of research with drone mapping software.:

Insect damage

Crop monitoring

Plant disease detection

Flowering detection,

Precise plant stand counting

Canopy analysis

Weather and wildlife damage analysis,

"Automation is an uneasy topic for many companies, workers, and industries, but it shouldn't scare them, it should empower them." Dronedeploy





## Disadvantage - but rewarding - Women in Drone Industry

Man-dominated field!

High demand for women in the UAV  
industry

Gender equality

For Salary Range - Ask ChatGPT

**“Drone technology can save lives and create jobs for thousands of young people” UNICEF Press realize 2022**

# Advantages - Drone Industry

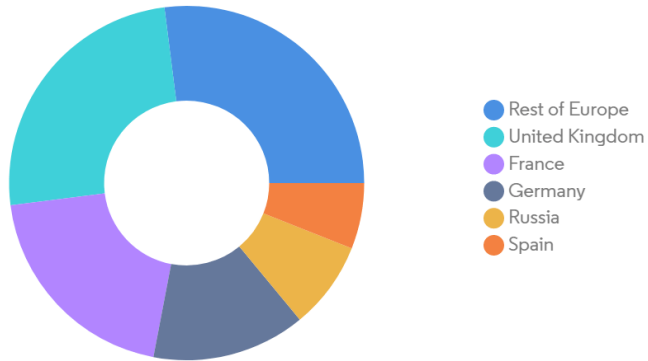
You don't need to come from the drone industry



Working in the drone industry offers several advantages, including:

- High Demand
- Innovation
- Versatility
- Exciting Work
- Career Growth
- Positive Impact
- Tech fields that Motivate outgoing activity

Europe Drones Market: Revenue Share (%), by Country, 2021



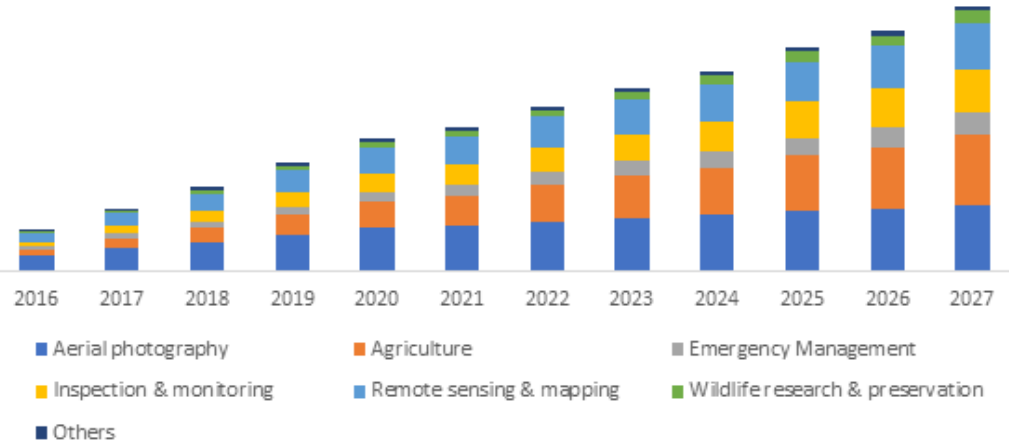
Source: Mordor Intelligence



# Advantages Europe Drone Industry

# Advantages - Drone Industry

Europe Commercial Drone Market Size, By Application, 2016 – 2027 (USD Million)



Source: Graphical Research



# Drone Design Lab

Listen to a **Podcast** from Industry experts

Women and Drones - US

Drone Design Lab – new in Europe

## - Others, job portals:

Listen to DroneTalks,  
best trends in drone industry

Job matching portals

Drone books

Follow influencers

Drone manufacturer platform, price, drone types:

DJI

Parrot



## Drones vs/+ Satellites

### Drone mapping softwares

DroneDeploy

Pix4D

Open Source

- Lidar360
- Cloud Compare



# Attend our Workshops

## **Week 1 - What is a drone?**

- Parts of a drone
- Considerations before buying a drone
- Safety requirements
- Safety flight physics
- Drone technology in industries
- Advice on drone simulators

## **Week 2 – Drone certification**

- Steps to be a drone pilot
- Drone Categories
- Types of drones
- EU regulation general overview
- Advice on drone education and courses

## **Week 3 - Drone recommendation**

- Drones for different purposes
- Recommendations from the beginner to advance drones
- Drones in classrooms
- Drone simulators
- Indoor and outdoor drone recommendations

## **Week 4 - Drone Applications**

- Drone applications
- Drone Mapping Software programs
- from Manual to Autonomous fly
- Where to fly my drone / Geo-zones
- Regulations



# Q/A

What we offer:

- Drone Consulting
- Image processing
- Drone Mapping Software advice/training
- STEM education with drones
- GIS/RS solution for businesses



[contact@dronedesignlab.com](mailto:contact@dronedesignlab.com)