



Erasmus+

# Project Final Report

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*2022-1-PL01-KA121-VET-000052557*

BETWEEN

The Sending Organization

**Zespół Szkół Politechnicznych w Głogowie**

AND

The Intermediary Organisation

**Euromind Projects SL**

Training Programme Dates

**05-12-2022 - 16-12-2022**

# EUROMIND AS PROJECT PARTNER

## 1. Profile Description

Euromind is an international training consultancy and VET provider with headquarters in Seville and Úbeda in Andalusia (Spain).

Euromind as a training provider delivers vocational education trainings, general and job-related language courses, VET training-related workshops and study visits, workshops on culture, lifestyle and customs of EU countries as well as classes on skilful and effective job search in the EU.

It promotes and delivers trainings for teaching staff and secures work placements and exchange activities for VET students and graduates enabling at the same time young people and professionals to make the most out of opportunities of competencies & skills development offered by European educational programmes.

Euromind in partnership with Andalusian vocational colleges and companies delivers school based vocational trainings for students of different educational fields, such as: CNC, automation, electricity, renewable energy sources, plumbing, industrial and graphic design, 3D design, ICT, electronics, administration.

Euromind as a VET provider works in partnership with a wide array of private companies in almost all the sectors, such as tourism, business administration, medicine, fashion, hairdressing, health & beauty, physiotherapy, marketing, media, advertising, public relations, tourism, IT, social work, logistics, nursing, construction, geodesy, analytics etc.

## 2. Euromind experience and expertise

The Euromind possesses extensive experience and expertise in the field of European mobility projects preparation and management which allows it to assist Spanish vocational colleges and governmental institutions with the preparation of project applications, finding trustworthy and competent host partners in Europe for their project participants, teaching and HR staff.

Over last 3 year Euromind has participated as a receiving – host partner in over 60 mobility projects with the participation of a total of 1800 persons: students from technical and vocational schools, university students, graduates, unemployed and teaching and HR staff. These projects involved partners from Poland, Great Britain, Czech Republic, Slovakia, Germany, Portugal, Turkey, Croatia, Italy, Greece, Bulgaria, Lithuania, Latvia, etc. The full list of projects including numbers and titles is available on the Euromind website: [www.euromind.es](http://www.euromind.es) in the Gallery.

Euromind is also responsible for the participants' linguistic, socio-cultural and practical preparation and also, if necessary, for the project administration and management issues.

Euromind has been participating as a sending and host organization in more than 100 projects including Leonardo Partnership, Erasmus Placement and Leonardo Mobility – PLM, VETpro and IVT and Erasmus + projects.

Euromind monitors that all the required documentation is prepared and submitted on time at every stage of the project lifecycle and makes sure that all the partners carry out their responsibilities.

Euromind participates in seminars organised by ECVET team regarding the use of system of transfer of competences and skills in the vocational training. Euromind experts have extensive knowledge in the field, hence they are able to train their partners on how to make use of this system in their projects.

Euromind has an impressive network of partner companies from different economic sectors. More than 800 entities both private and public cooperate with Euromind in Ubeda, Seville and Malaga. This extensive activity is a perfect guarantee that all the students received by Euromind will be successfully placed.

## PROJECT PARTICIPANTS' LIST

Participants' Name	Placement Sector
Igor Biliński	Mechatronics Technician - Applied Robotics
Karol Kiewro	Mechatronics Technician - Applied Robotics
Alan Podlak	Mechatronics Technician - Applied Robotics
Grzegorz Porębski	Mechatronics Technician - Applied Robotics
Michał Rokaszewicz	Mechatronics Technician - Applied Robotics
Oskar Czekaj	Mechatronics Technician - Applied Robotics
Patryk Jurdziński	Mechatronics Technician - Applied Robotics
Wiktor Ptak	Mechatronics Technician - Applied Robotics
Antoni Frątczak	Technician of mechanics - 3D Printer Operator
Sebastian Klisowski	Technician of mechanics - 3D Printer Operator
Jakub Król	Technician of mechanics - 3D Printer Operator
Błażej Marciniak	Technician of mechanics - 3D Printer Operator
Kamil Kasprzak	Technician of mechanics - 3D Printer Operator
Tomasz Łyga	Technician of mechanics - 3D Printer Operator
Marek Wołczuk	Technician of mechanics - 3D Printer Operator
Patryk Wojciechowski	Technician of mechanics - 3D Printer Operator



## **Host Organization:** PROCAD - Diseño Intencional S.L

**Tutor's name:** José María Florido Chicón

### **1. Description of the host organization**

PROCAD is a company and training centre specialising in mechanical design and machining. Its team consists of engineers and manufacturing technicians, experts in the application of CAD/CAE/CAM technologies for industrialization and mass production. Its aim is to train young people to know how to use the software that controls the CNC machine, also giving them a certificate that proves it, and helping companies to form their technical team and engineering graduates with their professional future and insertion in the labor market.

### **2. Main responsibilities & tasks carried out during the work placement**

- Operating FDM type 3D printers
- Operating the CNC machining centre
- Operating electronic measuring equipment
- Soldering work
- Programming of microcontrollers and automatons
- Calculating and selecting electronic components
- Coordinating teamwork
- Producing and presenting a working prototype

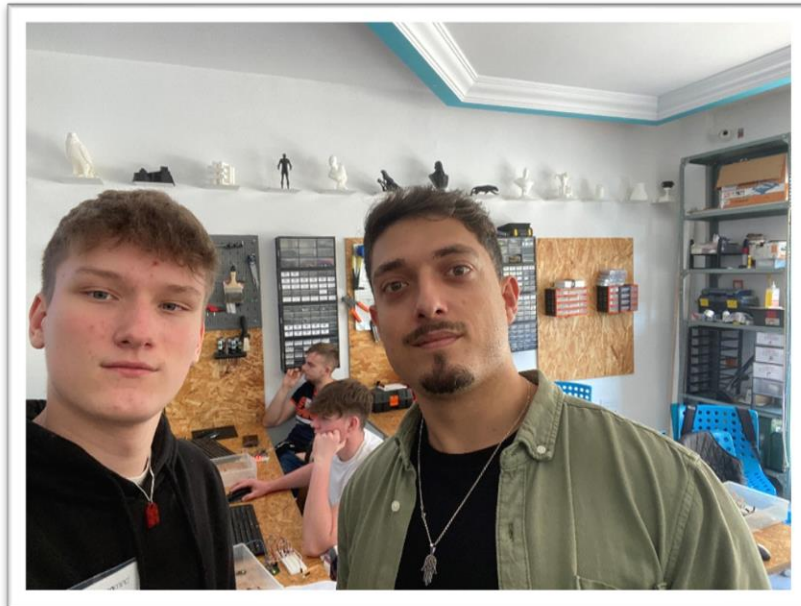
## Igor Biliński

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

A trip to Spain at this young age was thrilling on its own. The added fact that we were sharpening our skills and practicing important techniques used in our profession was amazing. We learned a lot of new skills and responsibilities that are essential in our line of work. Malaga is a very different city than any in Poland, the culture, people, and structure of the city and how it functions are very unusual to me and left me speechless, in a good way of course. I was lucky to be on such an amazing adventure where I could learn so much not only about my line of work but also about different cultures and countries.



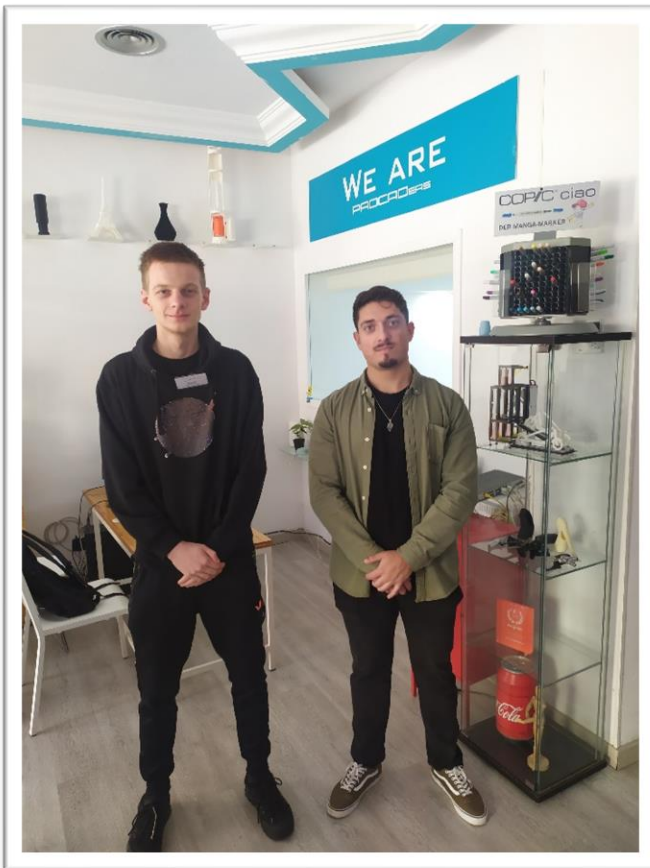
## Karol Kiewro

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I worked in PROCAD and I was responsible for coding and assembling Arduino. I wanted to go to Spain, because I was wondering about culture and people in this country. I was surprised about people in this country and food, that they make. In my free time I was exploring Malaga and looking for different entertainment than we have in Poland.



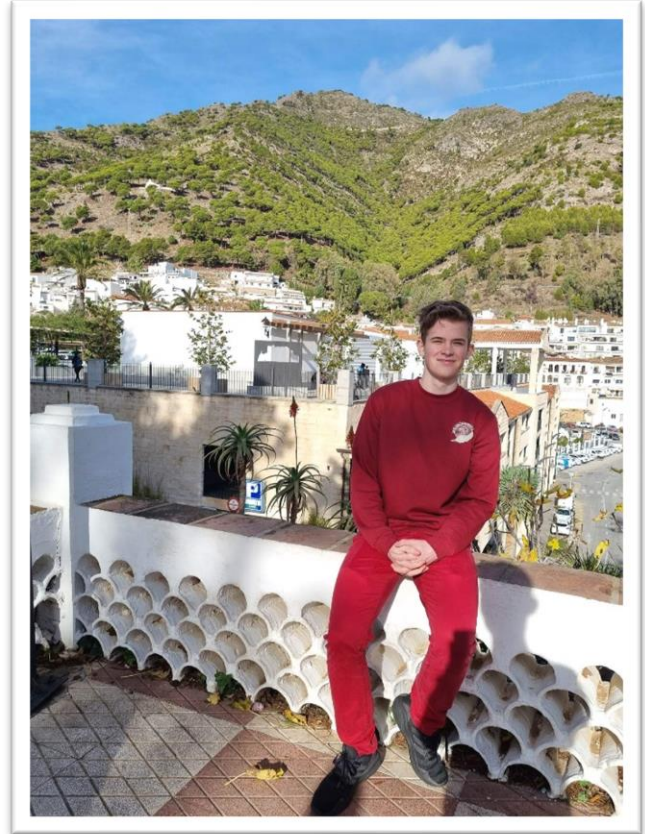
## Alan Podlak

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

The internship in Malaga helped me develop my skills in mechatronics. I worked at PROCAD, where I learned the basics of C++ and electronics by programming Arduino boards. This stay also allowed me to learn the basics of the Spanish language. During my free time I saw a lot of amazing sights. I especially enjoyed the trip to Mijas. I was pleasantly surprised by the kindness of the Spanish people and their culture.





## Grzegorz Porębski

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I have really enjoyed spending time there. I liked the people there very much. They were really kind and friendly. I worked in PROCAD. Our teacher-Pablo was really friendly and helpful. We could always count on him, when we had problems (for example with code writing.) We could work there with professional equipment. During our free time we played football or went to the city center.



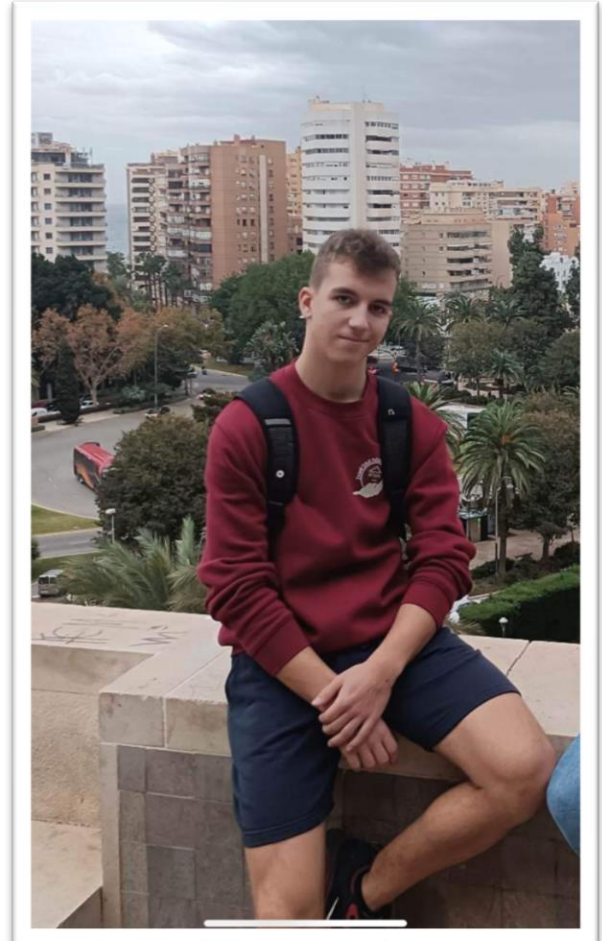
## Michał Rokaszewicz

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I came to Spain to practice and acquire new skills. I have visited a large part of Malaga and I can say that it is a very nice city. I was doing an internship at PROCAD. I was learning how to program and build simple circuits on Arduino boards. I found it very interesting. In my free time I walked around Malaga. I was on a trip to Mijas and Granada (Alhambra). I tried my best to learn about Spanish culture.



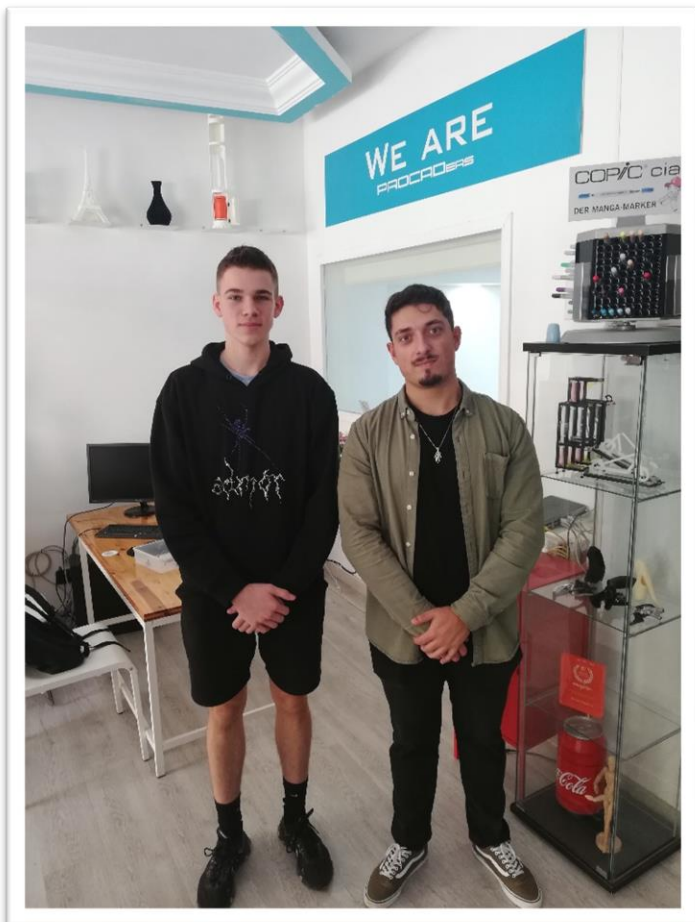
## Oskar Czekaj

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

Going to Spain for an internship really appealed to me. I liked the attitude of people there towards others. They are open and friendly. I liked the culture in Spain very much. I was doing my internship at PROCAD. It was great and it developed my knowledge. In these classes, we programmed and built circuits on Arduino boards. The way our teacher conducted the practices was interesting and encouraged learning. In our free time we visited the city of Malaga and the places of interest around our residence. We also had the opportunity to visit the castle in Granada. My stay in Spain will definitely help me in my profession as a mechatronics technician.



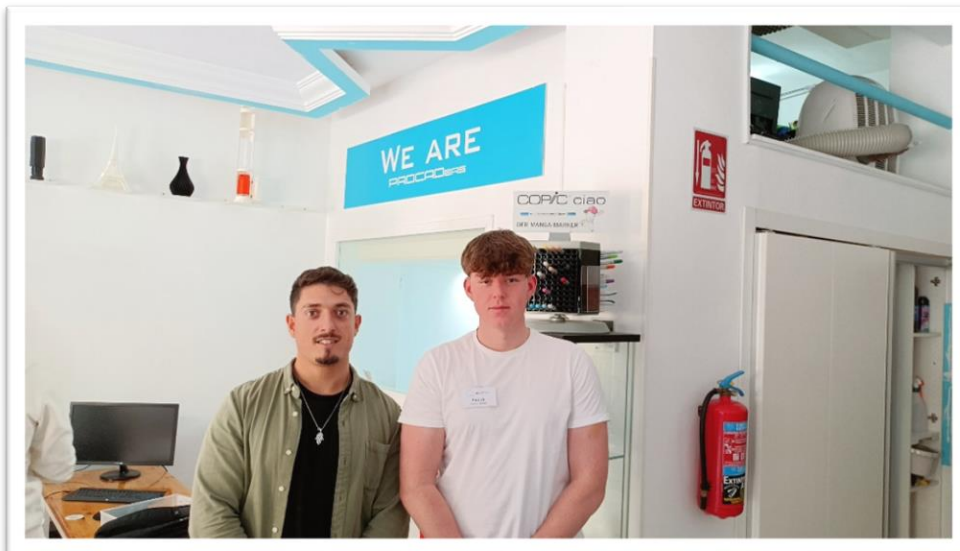
## Patryk Jurdziński

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

My name is Patrick and I have got an opportunity to attend vocational training in Malaga in PROCad company. I have decided to go there to develop my programming skills. Working with such an advanced software as Arduino and having the ability to use programming equipment was the best experience that I and my colleagues have ever had. Also, our Spanish lessons were the best choice to practice this language so we could take it to the next level. At the weekend we have seen the sights of Alhambra Castle and went to Mijas. The view from there was incredible. I loved the city and my visit there.



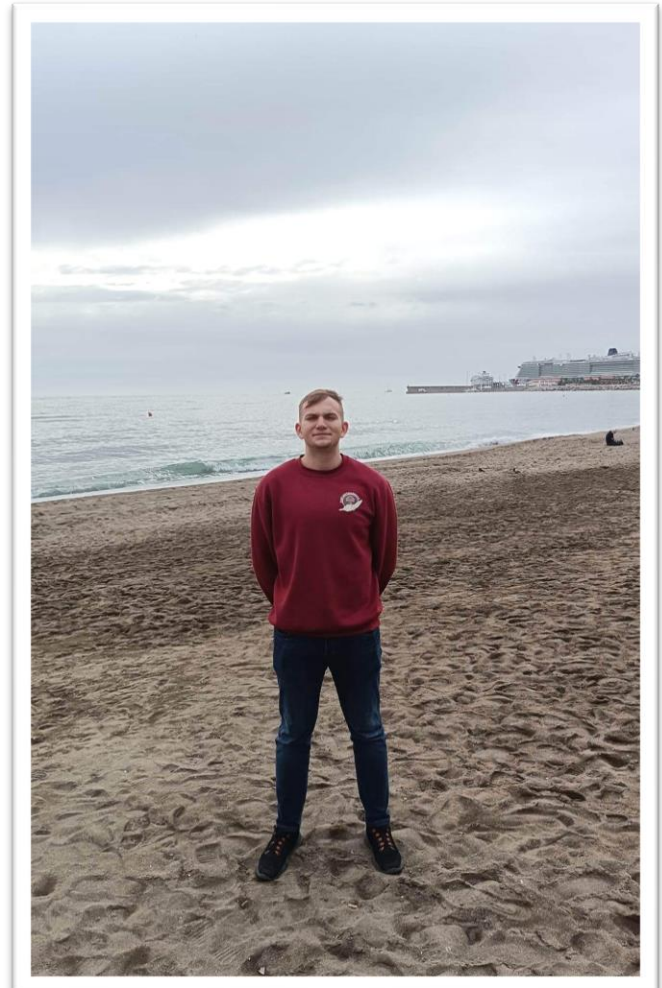
## Wiktor Ptak

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I flew to Málaga to study, explore, and learn about a culture that is foreign to me. I liked the climate there, which is different from that in Poland. I was doing my internship in ProCad. I was programming Arduino boards in tinkerCar and in real life on real components. I spent my free time exploring Malaga and learning about the local culture.



**Host Organization:** Forja Roja

**Tutor's name:** Miguel Ruiz

### **1. Description of the host organization**

Forja Roja is a company working in the software sector, particularly within virtual and augmented reality. Its mission is to find and develop integrated software and hardware to solve the problems of companies in the industrial sector. It uses state-of-the-art technologies and human-machine interfaces. The professionals working there have extensive training in programming, 3D design, web development and everything related to virtual and augmented reality design. The corporation develops products based on information and knowledge technologies to improve production processes, support, maintenance services and training in the industrial, mining, media, medical and aerospace sectors.

### **2. Main responsibilities & tasks carried out during the work placement**

- Interpreting plans
- Operating and monitoring machines for cutting, drilling and polishing plastic and metal
- Placing and at the end of the process removing the piece of plastic and metal from the 3D printer and from the machine
- Cleaning, lubricating and carrying out maintenance of the machinery
- Using software to design pieces
- Creating 3D models and discussing their limitations
- Exporting, processing and repairing files
- Using manufacturing programmes, for example, 3D Mesh
- Coordinating and preparing the 3D printer for PLA printing and ABS printing
- Designing and programming parts in order to produce the necessary support structures

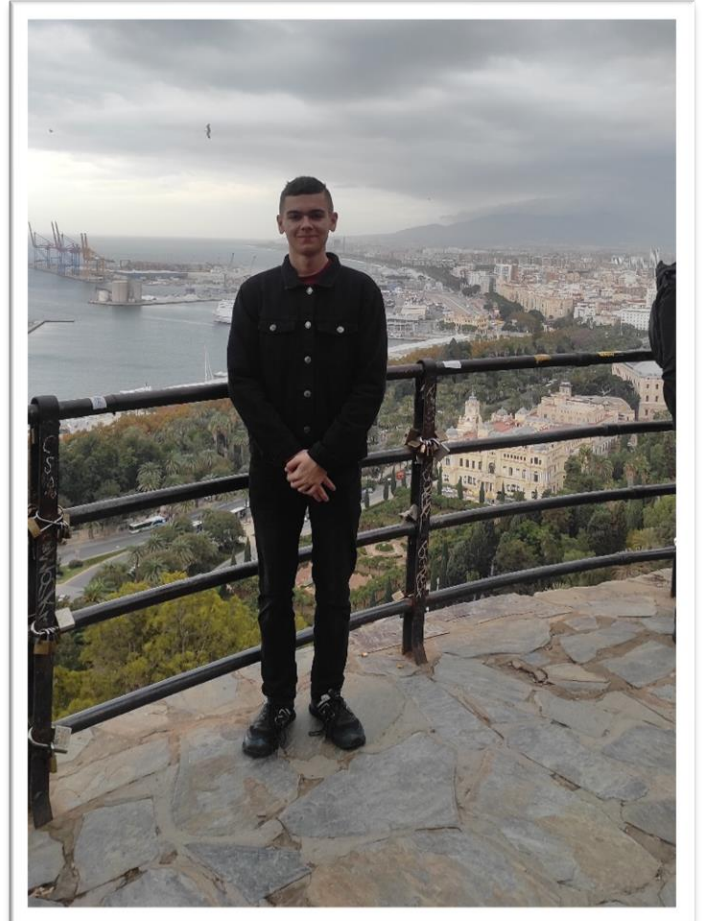
## Antoni Frątczak

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I really liked the sea in Malaga. During the internship, I worked in the blender program. In my free time, I explored the city. I really liked the practices. This trip greatly improved my knowledge of Spanish and English.



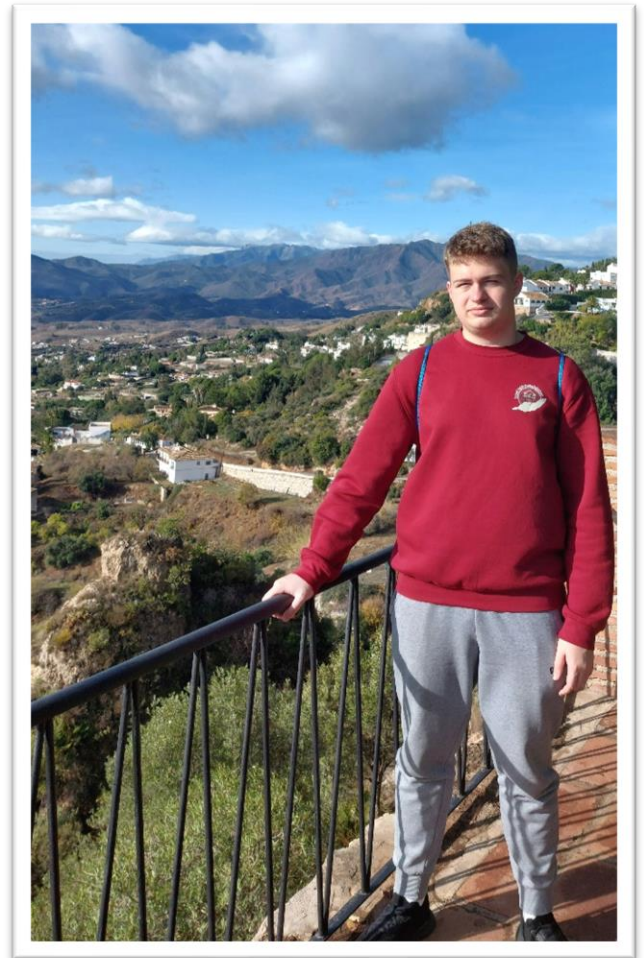
## Sebastian Klisowski

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I went to Spain to learn something new related to my profession, which I do not have every day, I also wanted to see this country, and its beauty and try the local flavors. Everything was brilliant there, nice people, delicious food, beautiful views, and great practices that really did not differ from those in Poland, but in Spain the atmosphere was different. In my free time, I could go outside and explore, because there was a lot to see or, as we often did with my friends - go out in the evening for a match and play football with others.





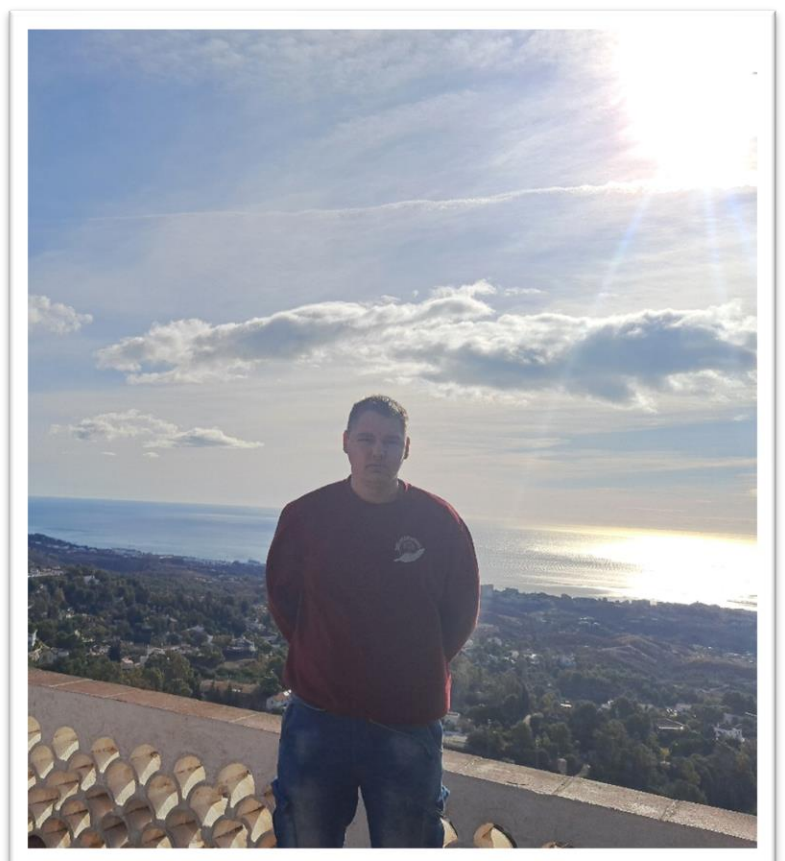
## Jakub Król

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I wanted to go to Spain to learn about their culture. I was surprised by the delicious food. I was doing an internship at Forja Roja and I made 3D models there in a program designed for this purpose, then I printed these models on a 3D printer. In my free time, I watched movies, listened to music and went out to play football with my friends. I really liked it there.



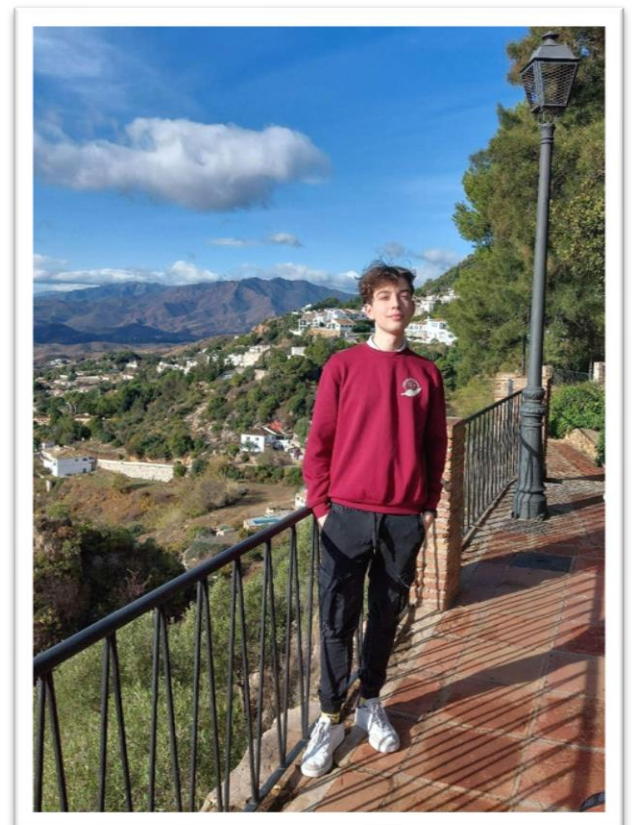
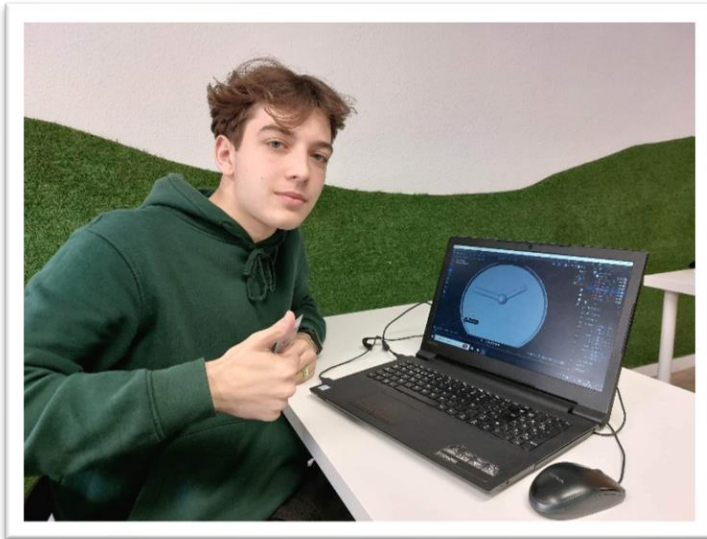
## Błażej Marciniak

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

During my stay in Spain, I was surprised by the regional culture as well as the food itself, which was delicious. I liked this trip very much because I could develop in the direction that interests me. Thanks to the internship at Forja Roja, I learned how to use the blender program, which allows me to develop further in this field. Thanks to this, I could learn about the technology of 3D printers. During the trips, which were well organized, I could get acquainted with the history and beauty of Spain. My feelings about this trip are very positive and I think that thanks to this I am shaping my future.



## Kamil Kasprzak

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I really wanted to come to Spain to get to know the customs of the local people and visit the nearby monuments. What I liked most about Spain was the weather and the beautiful views. Internships took place at Forja Roja and we learned how to use the blender program and how to use a 3D printer. In our free time, we mostly travelled and explored the surrounding area.



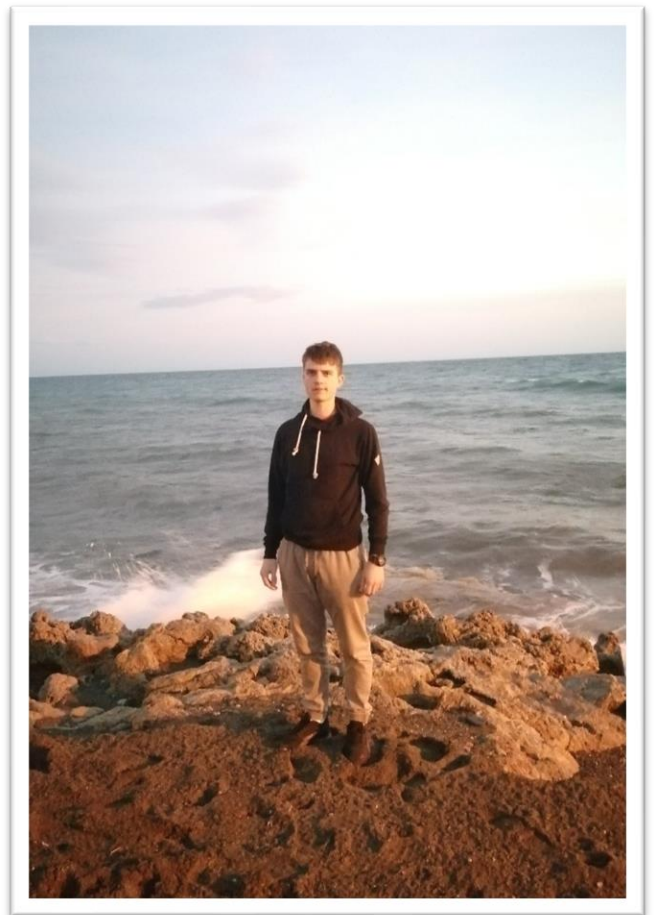
## Tomasz Łyga

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I went to Spain to see a new country for me and to participate in professional practice. I attended practice at Forja Roja where I learned how to use a blender and 3D printers. I was enchanted by the beautiful nature and culture. I often spent my free time walking in beautiful places and admiring the sea. In Malaga, I was surprised by the air temperature at that time of year. I am satisfied with the trip and would like to repeat it.



## Marek Wołczuk

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I wanted to go to Spain to study. I loved the beautiful landscapes in Spain. In Malaga, The whole city surprised me. I worked in Forja Roja and performed computer duties. In My free time, I visited Malaga.



## Patryk Wojciechowski

### 1. Tutor's final note

6 (Excellent)

### 2. Participant's opinion about his personal & professional development

I wanted to go to Spain to meet a new culture, and people. I did my internship at Forja Roja, where we made models for 3D printing. It was a pleasant and interesting activity. I was very happy to be there, Malaga is a beautiful city. If I have the opportunity to go on another trip like this, I will definitely take advantage of it



# PROJECT MANAGEMENT

## 1. Mobility Project Preparation & Induction

Before the arrival of your trainees in Spain, Euromind provided them with the pre-arrival guide, including useful information, local transport & social life, emergency numbers.

Euromind has also arranged Skype meeting with the participants in order to get to know them and to interview them.

After the Skype interview, Euromind created a Facebook group to which all the selected participants were invited, together with their Teachers. This way Euromind Coordinator had constant contact with the target group already before their arrival in Spain.

Once the Skype interviews were delivered, Euromind upon a thorough analysis of the participants' studies and profile provided each one of them with an adequate work placement.

Euromind took responsibility for preparing Learning Agreements individually for each participant and made sure that all the parties involved signed all the necessary documents.

On the first day after the arrival, Euromind organized the welcome session during which the participants got to know the Euromind team, were reminded about the programme agenda, accommodation rules and dissemination strategy options.

Later on, the participants were taken for a walk around the neighborhood to get to know the area and find out where banks, mail box, workplace, supermarkets, bus station are.

## 2. Monitoring & Mentoring

In order to make sure that the objectives of the Learning Agreement were going to be achieved and that the participants would be fully integrated in the companies' work culture, the monitoring was delivered by all of the parties involved in the project.

Euromind assigned a Mentor for the group of participant who was responsible for the introduction of the participants to the host organisation(s). During the work placement/training the Mentor delivered monitoring visits to the work placements in order to revise the tasks of the trainees, their progress as well learn from the first hand the level of satisfaction of both the participants and the host companies/ training centre tutor.

The mentor in cooperation with companies Tutors carried out the evaluations of the trainees in the middle and at the end of the trainings.

After obtaining the results of the half-way through evaluation, the Mentor met the participants to give them the results of this evaluation. The least favourable results were discussed with the participants in private so that both the Mentor and the trainees had the comfort of sharing the information and exchanging the opinions and finding solutions to some problematic issues.

Host organisations assigned a member of its staff as a tutor. The tutors from the host companies were responsible for helping, informing and guiding and supervising the work done by the participants. The tutors had regular meetings with the participants in order to assess their presence in the company as well as to discuss the tasks and responsibilities according to the needs of the company and the participants.

Euromind at the end of the programme during the goodbye session handed out evaluation sheets to the participants so that they could assess their stay in Spain, work placements, as well as the work of the Euromind.

Euromind was also available to the participants 24/7 in case of emergency.

### **3. Communication**

Euromind takes good care of successful communication between companies and trainees. Each evaluation of work is aimed at improving the quality of cooperation. Each party is thoroughly checked and assessed and the necessary improvements are introduced. Moreover, Euromind mediates in this supervisor-trainee collaboration by translating and solving language-connected complicated matters.

### **4. Dissemination strategy**

Euromind took active part in the process of preparing and dissemination results of the project together with the sending organisation and participants.

While the trainees were in Spain, Euromind involved them in a number of activities the aim of which was to make students monitor and collect all the information related to the progress of their work placements and stay in Spain. The materials produced by the participant would be then used as tools for disseminating results by the school in their country and by the partner in Spain.



The participants could work in groups or individually. On the first day they needed to decide on the form or forms of recording their professional experiences.

As a rule the whole group needed to create a Facebook fun page as it is an effective and quick means of accessing large numbers of people. What is more, it is a form that appeals to young people as they can share their experiences instantly and receive instant feedback, too. The fan page is always linked to the Euromind's Facebook fan page. The sending organisation was also asked to do the same thing.

This way the material produced by the trainees reached bigger audiences and was more effectively disseminated.

Euromind also disseminates the project at a local level. It organises language and cultural exchanges between the international trainees and students from local vocational colleges. During those meetings both Spanish and International students are involved in a number of activities the aim of which is to get to know each other, share experiences related to work experiences and in general their stay in Spain. The students also exchange information about their countries and cultures.

## 5. Certification

To validate the acquired skills, the trainees, at the end of their stay, received complete proof of their participation in the project by means of several methods of recognition:

- Training Certificate
- Europass Mobility Certificate
- ECVET
- Spanish Course Certificate



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# CULTURAL & LINGUISTIC PREPARATION

## 1. Spanish course: teaching method & participants' outcomes

The group was given very intensive Spanish lessons with our Spanish Teacher. Euromind's teaching methods were very effective as they made learning fun through playing games and creating an enjoyable atmosphere in the class. The Spanish classes can be described by 2 words: dynamic and practical! We used an interactive method of teaching based on learning by practicing. This means that grammar was covered as much as possible by using practical situations. Therefore, speaking and actively using the language is crucial and central in all our activities delivered. After intensive and hard learning the students had a written an exam. All of the participants passed with very good results!



## 2. Cultural activities, Andalusian cities & places visited during the programme

### Tapas Night:

Tapas are Spanish appetisers or snacks, served hot or cold with a drink. During Tapas Night the group had the opportunity to taste the local cuisine, meet Eurominds team and have lots of fun. The Euromind team took the participants to a local bar and let them feel a bit of the typical Spanish social atmosphere while tasting Andalusian specialities.



### Walk around Malaga city centre:

On the walk around Malaga city centre the trainees were able to see Malagas oldest parts and explore its history. Dating back to almost 800 BC, Malaga is one of the oldest cities in the world. The tour passed by ruins from The Roman, Moorish and Christian civilizations including The Roman Theatre, The Alcazaba, The Cathedral of Malaga and St. Johns Church.



### Trip to Mijas:

One of the jewels of the Costa del Sol is the beautiful little village of Mijas. Nestled comfortably in the mountainside at 428 metres above sea level; it is a superb choice for both a summer holiday and full time living. Many artists and writers have made it their home, enjoying the benefits of an excellent all-year-round climate, without being part of the busier, more commercial coastal towns just 7 kilometres down the mountainside. During their trip to Mijas, the trainees made the most of their time by relaxing on the gorgeous Playa de la Cala Mijas and visiting the beautiful squares (Plaza de la Constitución y de España).



### Trip to Granada:

Granada is the city of three religions and cultures: Judaism, Christianity and Islam. The great variety of stunning landscapes and views that Granada has to offer since the city is located at the foot of a mountain range called Sierra Nevada. Among the most interesting places to see, we can mention: The Albaicín district (with the Mirador de San Nicolas), Plaza Nueva square (St Annes Church), The Acaicerí market, Bib Rambla Square, the Cathedral, the Alhambra and the Generalife views, and also the Sacromonte district where gitanos (gypsies) built up their houses in caves. But the highest praise deserves the Alhambra, a fortified palace complex on the UNESCO World Heritage List.



## SUMMARY OF THE PROJECT

Euromind team did their best in order to deliver the best professional and cultural experience to the trainees of the project being always ready to help, give advice and solve any problems or doubts.

The trainees were fully satisfied with their work placements. They gained much needed professional experience abroad which is highly appreciated and sometimes even specifically asked by today's employers.

We have no doubt that our trainees will use their new knowledge and experience at their current work in their home country or increase their chances at the labour market and dazzle their future potential employers.

Moreover, the trainees learnt the basics of the Spanish language were able to work in a multi-cultural environment and proved themselves with the ability to work individually as well as in a team.

Euromind team was extremely satisfied with the trainees' involvement in the project and personal interest in whatever they participated in.

This project was very successful and we hope to realize other successful projects with Zespół Szkół Politechnicznych w Głogowie in the future.

MÁLAGA, 16-12-2022



**EUROMIND PROJECTS S.L.**  
CIF. B23687890  
Tel. +34 955220932 | +34 664807869  
info@euromind.es www.euromind.es

**Carlos Hoyo de la Torre**

**Director**