


## APPLICATION FORM 1 APPLICATION FORM: GLOBAL TRAINING PROGRAMME

CORPORATIVE INFORMATION			
Name of the company		SEMISENS Engineering GmbH	
Contact Person		Robin Priewald	Email:
Location	Country	Austria	
	City	9500 Villach	
	Address	Bildstöcklstraße 22/8 (new office/laboratory from Aug 2022 in Handwerkstrasse 24, crossing Karawankenweg, near Infineon Technologies)	
Sector		Semiconductor equipment industry, optical metrology	

PROPOSED INTERNSHIP INFORMATION			
Number of trainees to host (in case you want more than 1 trainee, indicate the different departments where they will work)		1	
Extension time (extra months and salary) OPTIONAL  SEE DOCUMENT: "FORM 2_ Global Training 2022 extension preliminary agreement"	Extra months		
	Monthly payment for extra months (between 0-1500€/month)	Al finalizar los 6 primeros meses, la empresa ofrece la posibilidad de prorrogar la estancia hasta 6 meses más con la siguiente mensualidad (a día de hoy): 1500 €/month	

INTERNSHIP/PLACEMENT INFORMATION	
Department	Software development
Description of project/activities	Creating, supporting, maintaining, and testing software in C++ and C# for API libraries and Graphical User Interfaces, mainly using WPF. The software is used to control the data collection of the metrology systems, run the data analysis on the collected data, and display/plot the resulting reports.
COMPETENCES, SKILLS and EXPERIENCE REQUIREMENTS	
Requested profile(s) information (Studies, previous experience, language skills, other skills...)	<ul style="list-style-type: none"> <li>- Software engineering, electrical engineering, preferably Masters level, or similar</li> <li>- Good programming skills in C/C++ and C# (WPF GUI applications)</li> <li>- Flexibility, capability of working structured and independently on own initiative</li> <li>- Experience with electronics and laboratory equipment a nice-to-have</li> </ul>
Other commentaries	<ul style="list-style-type: none"> <li>- Good command of English (in speaking and in writing), alternatively German</li> <li>- Enthusiasm for engineering problems, and a practical hands-on attitude</li> </ul>

COMPANY/INSTITUTION	SIGNATURE	DATE
REPRESENTATIVE :  Tatiana Strapacova, MSc PhD CEO		05/05/2022

## INFORMATION ABOUT THE COMPANY/INSTITUTION

LOGO	In progress; it will be provided soon
WEBSITE	<a href="http://www.semisens.at">www.semisens.at</a> (in progress)
<b>INFORMATION ABOUT THE CITY AND THE AREA WHERE THE COMPANY/ISTITUTION IS LOCATED</b>  (General information about SECURITY, ACCOMODATION, PUBLIC TRANSPORT...)	<p>SEMIIsens Engineering GmbH is located in Villach, in the center of Carinthia, Austria's southernmost province, in close proximity to the Italian and Slovenian border. The city is surrounded by many beautiful lakes such as Wörthersee or Faaker See, as well as picturesque mountains. Carinthia is a well-known and popular tourist destination with plentiful opportunities for outdoor sports such as swimming, cycling, hiking or climbing during summer, or skiing during Winter (see <a href="http://www.visitcarinthia.at/">www.visitcarinthia.at/</a>).</p> <p>Austria is ranked #5 of all countries with best quality of life index in the world (2021), ranked #6 in lowest pollution, #7 in health care, and #13 in the highest safety index (<a href="https://www.numbeo.com/quality-of-life/rankings_by_country.jsp?title=2021">https://www.numbeo.com/quality-of-life/rankings_by_country.jsp?title=2021</a>). A statistical overview about the cost of living for Villach can be found here: <a href="https://www.numbeo.com/cost-of-living/in/Villach-Austria">https://www.numbeo.com/cost-of-living/in/Villach-Austria</a></p> <p>Villach has a very good public transport system, with a frequent and extensive bus network. Due to the flat landscape of the city, one can easily reach any part of the city by bike.</p>
GENERAL INFORMATION ABOUT THE COMPANY/INSTITUTION	<p>SEMIIsens is a very small high-tech company, specialized in the development of optical metrology systems used in the semiconductor industry.</p> <p>The team is young and dynamic, and all members believe that supporting and training the new interns at SEMIIsens can be key for both their and the company's future success.</p>
SIZE OF THE COMPANY (EMPLOYEES)	3
NUMBER OF PEOPLE AT THE DEPARTMENT WHERE THE TRAINEESHIP WILL TAKE PLAKE	3
MAIN ACTIVITY OF THE COMPANY/INSTITUTION	Developing optical metrology and inspection tools for the semiconductor industry.
A BRIEF EXPLANATION OF MAIN PROJECTS	<p>Currently, the main projects revolve around R&amp;D for new metrological capabilities, such as optical 3D wafer bevel profiling and imaging, but also new product and machine developments as well as upgrades of already existing products.</p> <p>Product development can encompass the entire chain from low-level electronics design and corresponding firmware programming (embedded systems), mechanical product design and production (mechatronics), system integration (for machines) and PC software creation (user applications).</p>
PREVIOUS COLLABORATION IN INTERNSHIP/TRAINING PROGRAMMES?	No



OTHER COMMENTARIES	
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