



APPLICATION FORM 1

APPLICATION FORM: GLOBAL TRAINING PROGRAMME 2021-2022 – INTERNSHIP INFORMATION

CORPORATIVE INFORMATION	
Name of the company	Bright Red Systems GmbH
Contact Person	Robin Priewald Email: _____
Location	Country: Austria
	City: 9536 Velden am Wörthersee (near Villach)
	Address: Am Sonnenhügel 29
Sector	Semiconductor equipment industry, optical metrology


PROPOSED INTERNSHIP INFORMATION	
Number of trainees to host	1
Extension time (extra months and salary) OPTIONAL <i>SEE DOCUMENT: "FORM 2_Global Training 2021 extension preliminary agreement"</i>	Extra months: 6 months
	Monthly payment for extra months (between 0-1500€/month): 1500 €/month

INTERNSHIP/PLACEMENT INFORMATION	
Department (in case you want more than 1 trainee, indicate the different departments where they will work)	Research and Development
Description of project/activities (in case you want more than 1 trainee, indicate the different projects/activities on which they will work)	Participating in core code programming of new metrology prototypes (C++ and C#), setting up and running code-test environments for both PC based and embedded hardware, running metrology test data acquisition and prototype software tests.

COMPETENCES, SKILLS and EXPERIENCE REQUIREMENTS	
Requested profile(s) information (Studies, previous experience, language skills, other skills...)	<ul style="list-style-type: none"> - Software engineering, electrical engineering, preferably Masters level, or similar - Good programming skills in C/C++ and C# (WPF GUI applications) - Skills in JavaScript, PHP and HTML advantageous - Basics in MATLAB and image processing desirable - Flexibility, capability of working structured and independently on own initiative - Experience with electronics and laboratory equipment a nice-to-have
Other commentaries	<ul style="list-style-type: none"> - Good command of English (in speaking and in writing), alternatively German - Enthusiasm for engineering problems, and a practical hands-on attitude



INFORMATION ABOUT THE COMPANY/INSTITUTION

LOGO	
WEBSITE	www.brs.eu.com
INFORMATION ABOUT THE CITY AND THE AREA WHERE THE COMPANY/ISTITUTION IS LOCATED (General information about SECURITY, ACCOMODATION, PUBLIC TRANSPORT...)	<p>BRS is located in the heart of Carinthia, some ~20 km from Villach, and 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 www.visitcarinthia.at/).</p> <p>Austria is currently ranked #5 (2021) of countries with best quality of life index in the world, and ranked #13 in the safety index. Villach itself has a very high rating (see https://www.numbeo.com/quality-of-life/in/Villach-Austria).</p> <p>Public transport in rural areas outside of cities such as Villach or Klagenfurt is limited, but car sharing with employees who live in Villach is possible.</p>
GENERAL INFORMATION ABOUT THE COMPANY/INSTITUTION	<p>BRS is a very small high-tech company, which was started almost 10 years ago and spent the first eight years developing a proprietary optical metrology technique and device for edge defect inspection on semiconductor wafers. As a high-tech startup, all operations were heavily funded by research grants and other governmental funding sources. Now, while the first commercially rolled out applications are under evaluation, improvements and successor products are in development.</p>
SIZE OF THE COMPANY (EMPLOYEES)	6
NUMBER OF PEOPLE AT THE DEPARTMENT WHERE THE TRAINEESHIP WILL TAKE PLACE	3
MAIN ACTIVITY OF THE COMPANY/INSTITUTION	<p>Developing optical metrology and inspection tools for the semiconductor industry.</p>
A BRIEF EXPLANATION OF MAIN PROJECTS	<p>Currently, the main projects revolve around R&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), physical and mechanical product design, system integration (for machines) and PC software creation (user application).</p>
PREVIOUS COLLABORATION IN INTERNSHIP/TRAINING PROGRAMMES?	<p>Participation in Global Training since 2013</p> <p>Two current employees are former Global Training interns from 2014/15 and 2017/18</p>
OTHER COMMENTARIES	