

## PRESS RELEASE

Aachen, January 25, 2021

### Digital Six Sigma Trainee Program

#### Individual Improvement Projects for Companies with Future Graduates of the RWTH Aachen University

The constant analysis and improvement of business processes is an important factor in increasing the competitiveness of manufacturing companies. For this reason, experts from the Chair of Production Metrology and Quality Management at the Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University, together with PRS Technologie Gesellschaft, are once again offering the Six Sigma Trainee Program for companies and students in 2021.

Digitalization makes it possible to implement profitable improvement projects despite the difficult situation due to the global corona pandemic. Last year, the students accompanied several Six Sigma projects exclusively digitally as part of the trainee program - from kick-off to project processing and factory tour to the final presentation. The results promise success: By implementing all proposed measures, a case study company, which was characterized by a high inspection effort due to static inspections, was able to save more than four hours of inspection time per day. This corresponds to a cost reduction of more than 40,000 euros per year.

Laboratory for Machine Tools and  
Production Engineering (WZL) of  
RWTH Aachen University

Stefanie Strigl (M.A.)  
Head of Press and Public Relations

Campus-Boulevard 30  
52074 Aachen  
GERMANY

+49 241 80-27554  
s.strigl@wzl.rwth-aachen.de

[www.wzl.rwth-aachen.de](http://www.wzl.rwth-aachen.de)



(© RWTH, Photo: Martin Braun)

In another project, long lead times from order entry to confirmed delivery date were the crux of the company's problem. By identifying and eliminating idle time and duplicate processing, the company was able

## PRESS RELEASE

Aachen, January 25, 2021

to reduce non-value-added activities in lead time by 17 percent and shorten the total lead time until the delivery date was confirmed to the customer by eleven percent.

Six Sigma is a standardized methodology for carrying out projects to improve processes in all areas of the company. Using a systematic approach, complex improvement projects are carried out using familiar methods from quality management. The experts of the WZL utilize their comprehensive Six Sigma knowledge and develop practical and cost-effective recommendations for specific problems of individual companies together with prospective graduates of RWTH Aachen University.

An enriching cooperation for both sides: RWTH Aachen University Master students with Six Sigma Yellow Belt qualifications can apply online during the application phase for a place in the trainee program, receive training in the Six Sigma Green Belt program and gain concrete consulting experience during their studies. Companies benefit from the definition of their improvement project but are also accompanied by experienced employees and project engineers from the department of quality management during project implementation, which guarantees comprehensive support and in-depth teaching of quality management methods in the company.

Interested companies find further information via [www.sixsigma-trainee.de](http://www.sixsigma-trainee.de).

### Contact at WZL

Dipl.-Ing. Jan Kukulies  
+49 241 80-25783  
[j.kukulies@wzl.rwth-aachen.de](mailto:j.kukulies@wzl.rwth-aachen.de)

### PRS Technologie Gesellschaft

As a spin-off of the Chair of Production Metrology and Quality Management of the WZL, the PRS Technologie Gesellschaft ensures the transfer of intelligent solutions from research to practice. By providing knowledge-intensive consulting services with national and international consulting experience, the work is divided into three areas: Digital solutions, Consulting and Training.

### Laboratory for Machine Tools and Production Engineering

The Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University enhances the innovative strength and competitiveness of the industry with trend-setting research in the fields of manufacturing technology, machine tools, production engineering, gear technology as well as production metrology and quality management to develop practical solutions for rationalizing production with industrial partners from a broad range of branches.