Fraunhofer FEP

PRESS RELEASE

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CLOU – a clean career: Test phase of the advanced training Industrial Parts Cleaning starts

Within the InnoVET project "CLOU – Future Cluster for Innovative Vocational Training" (FKZ 21IV007D) funded by the German Federal Ministry of Education and Research (BMBF), an adaptive and path-opening initial and continuing education in the chemical and pharmaceutical industry is being developed which at the same time makes technical innovations accessible to vocational education and training. The training course "Certified Professional Specialist (m/f/d) for Industrial Parts Cleaning" developed in this project was modularly designed by the Fraunhofer Institute for Organic Electronics, Electron Beam and Plasma Technology FEP together with the Sächsische Bildungsgesellschaft SBG and started its test phase in September. At parts2clean 2022 from 11 to 13 October 2022 in Stuttgart, Germany, the contact persons for this training will answer questions from all interested parties at the booth of the Fraunhofer Business Area Cleaning; Hall 4, Booth B20.

Industrial part cleaning is a wide-ranging and complex field in which each process requires its own highly specialized cleaning procedure. Each production usually includes several cleaning steps. Their correct execution is very important for the subsequent process steps and determines the product quality and functionality and ultimately the added value. However, the specific cleaning steps are often carried out by trained personnel, as this area has so far received surprisingly little attention in terms of the qualification of specialists. Up to now, there have been no training courses, no qualifications or any type of certified training available for this profession.

As part of the CLOU project, Fraunhofer FEP and the Sächsischen Bildungsgesellschaft für Umweltschutz und Chemieberufe Dresden mbH (SBG) have now developed a training course to become a qualified "Certified Professional Specialist" (m/f/d), which provides a company-specific, higher vocational qualification up to DQR-5 (German Qualification Ratio level 5) guaranteed. Further developments up to level 7, for example by offering the degree "Bachelor Professional" and "Master Professional" are envisaged.

Daniel Weile is supporting the project at Fraunhofer FEP and explains: "The challenge was to combine the diversity and complexity of the existing cleaning processes and procedures into a teaching scheme in such a way that it offered participants added value in terms of content, regardless of their background, while at the same time

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Funded as InnoVET project by the Federal Ministry for Education and Research. Funding reference: 21IV007D

Federal Ministry of Education and Research

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allowing them to be applied directly in all industries. Accompanying continuing education with the possibility of obtaining the IHK-certified qualifications "Verified Professional Specialist (m/f/d) of Industrial Part Cleaning"."

From the outset, the training was conceived in a hybrid form. This means that face-to-face events will alternate with various digital content (such as self-study in the Learning Management System (LMS), teaching videos or videoconferences) and internship phases. This mix facilitates the convenient adaptation to possible changed conditions in the future.

Thanks to the many years of experience of the Fraunhofer FEP in the development and application of different processes for cleaning parts and the chairmanship of the Fraunhofer Business Area Cleaning, which bundles the know-how of several Fraunhofer Institutes on this subject, it was possible to develop a further training course with a total of approximately 420 hours of learning in cleaning content that is open to technology and industry.

The training course is aimed at cleaning professionals from all sectors who want to be more broadly positioned in the field of industrial parts cleaning as well as seeking formal recognition of their performance.

On 26.09.2022 the test phase started with an initially small number of 10 participants with a week of attendance in Dresden, Germany. The first regular course is to start in autumn 2023. You can already find out more about the courses and contents via the CLOU website and apply for the next round.

Fraunhofer-Business Unit Cleaning at parts2clean 2022

11–13 October 2022
Trade Fair Stuttgart, Hall 4, Booth B20

Expert Forum at parts2clean 2022

11 October 2022, 11:20 am, S1.4
Certified professional specialist for industrial parts cleaning – A clean career
Daniel Weile, Fraunhofer FEP

Press conference at parts2clean 2022

11 October 2022, 11 am
Ist die industrielle Teilereinigung für die wachsenden Herausforderungen in der Präzisionsreinigung gerüstet?
Frank-Holm Rögner, Speaker Fraunhofer-Business Unit Cleaning

About the project CLOU

Project duration: 01.12.2020 – 30.11.2024
Funding reference: 21IV007D
Funded by the Federal Ministry for Education and Research
www.clou-zukunft.de

Cluster Partners

- Sächsische Bildungsgesellschaft für Umweltschutz und Chemieberufe Dresden (SBG Dresden)
- Bildungswerk Nordostchemie e.V. (bbz Chemie)
- Ausbildungsverbund Olefinpartner gGmbH (AVO)
- Fraunhofer Institute for Organic Electronics, Electron Beam and Plasma Technology FEP, www.fep.fraunhofer.de
- Hochschule für Technik und Wirtschaft Dresden (HTW Dresden), University of Applied Sciences, Faculty of Agriculture/Environment/Chemistry, Chair of Technical Chemistry (Prof. Harre)
- Technical University of Dresden (TU Dresden)
  - Faculty of Education, Professional specialization laboratory and process technology; didactics of chemistry (Prof Niethammer)
  - Faculty of Education, Chair of Adult Education, Focus on Continuing Vocational Education and Comparative Educational Research (Prof Bohlinger)
- Technical University of Darmstadt, Didactics of Technology (Prof. Tenberg)
- Research Institute for Leather and plastic sheets, Freiberg Instruments gGmbH (FILK)
- Helmholtz-Zentrum Dresden-Rossendorf e.V. (HZDR)

Picture in printable resolution: www.fep.fraunhofer.de/press