



Shaping the future together for a society worth living in – this is the vision of TH Wildau! As a university of applied sciences, we aim to support societal transformation in a responsible and practice-oriented manner. We bring technology and management together, thereby creating interdisciplinary spaces for innovative learning environments and fostering creativity in research and teaching. In the Berlin/Brandenburg metropolitan region, our campus is known as a place where a range of professional cultures meet each other, collaborate and engage in lifelong learning. In the spirit that our campus integrates state-of-the-art facilities within 19th-century industrial architecture, our aim as professionals and as people is to forge connections.

At TH Wildau, as part of the internal funding programme “Sprungbrett Campus” – a career entry scheme for international graduates from non-EU countries, the following position in the department INW is to be filled from **1. September 2026** :

## Aquaponics Project Engineer at the Laboratory for Renewable Energy (m/f/d)

Reference number: 2026\_SBC\_01

**This vacancy is aimed exclusively at international graduates of TH Wildau whose country of origin is outside the EU.**

The position is part-time (20 hours per week) and initially limited until 31 December 2026. An extension of up to a maximum of 12 months' employment may be applied for.

The internal support programme at TH Wildau is designed to assist international graduates of TH Wildau from countries outside the EU in making the transition from their studies to the labour market. In addition to gaining temporary work experience at TH Wildau, they can build up an internal and external network and improve their knowledge of German (including technical language) as part of the supported role. Should there be any issues regarding residence rights and work permits, the graduates who are employed under the support programme will receive assistance from TH Wildau. An internal support programme featuring networking events, workshops, job application training, etc. provides further opportunities for exchange, networking and the development of personal skills.

TH Wildau thus helps these graduates to make the transition into the labour market.

**TH Wildau is developing its aquaponics system into an integrated demonstration facility for resource-efficient food production powered by renewable energy. The focus is on recommissioning, data-driven monitoring and the optimisation of technical and biological processes, including the integration of photovoltaics, solar thermal energy and modern control technology. This creates a practical learning and knowledge-sharing hub that showcases interdisciplinary solutions for the Berlin/Brandenburg metropolitan region.**

### Tasks:

#### 1. Concept development and planning (15%)

- Development of an overall technical concept for the aquaponics system
- Development of an energy concept for integrating renewable energy systems (photovoltaics, solar thermal, and, where appropriate, wind energy) into the aquaponics system
- Dimensionierung der Systemkomponenten
- Recherche zum Stand der Technik

#### 2. Restarting the aquaponics system (30%)

- Procurement and installation of missing technical components
- Structure of biological cycle systems
- Integration of energy supply and control technology
- Installation of measurement and sensor technology
- Commissioning and test runs

#### 3. Operation and monitoring (10%)

- continuous monitoring of biological parameters
- Monitoring of energy flows
- Data collection and analysis
- Maintenance and care of the system

#### 4. Further development and optimisation (15%)

- Analysis of operational data and identification of opportunities for improvement
- Adjustment of the power supply and control algorithms

#### 5. Documentation and knowledge transfer (30%)

- Scientific documentation of the development stages
- Assistance with courses and lab tours
- Supervision of students on projects and theses
- Presentations at industry events and to partners

### Job profile:

- A master's degree issued by TH Wildau in the field of automated energy systems, mechanical engineering, biosystems engineering, or a related field
- Only individuals who are not currently enrolled as students and who have not yet successfully entered the workforce (please include this in your cover letter) may apply
- Individuals whose country of origin is outside the EU (non-EU nationality, place of birth outside the EU)
- Very good knowledge of MS Office
- The working language is German, or German language skills will be developed: If a candidate's German language proficiency is below level B2 of the Common European Framework of Reference for Languages, they are expected to develop their spoken and written German skills to the level mentioned above during their period of employment, where possible, through intensive, compulsory language courses outside working hours.
- No knowledge of German is required (A0 level of the Common European Framework of Reference for Languages)
- Good spoken and written English
- Participation in the internal support programme of the funding scheme is expected (e.g. networking events, workshops, job application training...)
- Strong commitment and independence (structured, self-directed, precise, and goal-oriented approach to work)
- friendly, creative, reliable, resilient
- Teamwork, organisational and good communication skills

### What do we offer?

#### Professional skills:

- interdisciplinary expertise (specialization in aquaponics, renewable energy systems, hydrogen technology, the circular economy, and sustainable food production, as well as cutting-edge technologies with high relevance to the job market)
- Systems thinking (understanding complex biological-technical systems and their interactions)
- Energy Management (Practical experience in the integration and optimization of renewable energy systems (photovoltaics, solar thermal, storage, hydrogen))

#### Methodological skills:

- scholarly work (research, data analysis, evaluation, documentation in accordance with scholarly standards)
- Problem-solving skills (identifying and resolving technical and biological challenges)
- Technical documentation (preparation of reports, operating manuals, and presentations in accordance with German standards)

#### Practical skills:

- Technical and practical skills (assembly, installation, and maintenance of complex systems)
- Laboratory Practice (Working in accordance with safety standards, handling laboratory equipment and chemicals)
- digital tools (use of simulation, analysis, and presentation software)

#### Soft Skills:

- Independence (working autonomously on an innovative project)
- Organizational skills (coordinating various tasks, time management, prioritization)
- Adaptability (Flexibly handling unforeseen challenges)
- Intercultural competence (working in an international university environment)

#### Advantage in the job market:

- Qualified work experience at a German university is a significant advantage on the German job market
- Showcase Project (a project with social relevance to include in job applications)
- Future-oriented field (expertise in sustainability, hydrogen, the energy transition, and the circular economy; skills in high demand)
- Certificates (transcript from a German university; certificates of completion for continuing education courses, if applicable)

#### Further benefits:

- flexible working arrangements to improve the work-life balance (including flexible working hours, short core working hours, alternating teleworking and mobile working, working in the parent-child office)
- additional pension provision through the Federal and State Pension Institution (VBL) and capital-forming benefits
- 30 days of vacation (depending on the number of working days per week) plus additional days off on December 24 and 31
- very good accessibility by public transportation (campus directly at the Wildau S-Bahn station)
- sufficient free parking spaces for cars and bicycles
- various health and sports offerings, discounted membership at a gym with swimming pool



The freedom of independent work with ample scope for creativity and decision-making



Family-friendly, flexible working environment



Wide range of health and sports activities

**Please note:** application costs (including travel expenses) cannot be covered.

The Technische Hochschule Wildau - Technical University of Applied Sciences Wildau is seeking to increase the proportion of female employees and encourages suitably qualified women to apply. Applications from severely disabled persons will be given preferential consideration if they have the same qualifications and skills. We also encourage all interested parties and current employees at Technische Hochschule Wildau - Technical University of Applied Sciences Wildau to apply. Applicants (f/m/d) with children are welcome – our university is certified as a family-friendly university.

### Informationen

Remuneration is based on the collective agreement for public service positions for the federal states (TV-L) up to pay grade 11, subject to the candidate meeting the personal requirements. This is a fixed-term position, in accordance with Section 14(1)(2) of the German Part-Time and Fixed-Term Employment Act (TzBfG).

### Questions about the application?

Application management  
Anita Reichelt

### Our campus is located right next to the S-Bahn station (lines S8, S46)



### TH Wildau in figures

- approximately 3,300 students from 60 different countries
- approximately 450 employees
- approximately 90 of whom are professors
- approximately €11 million in third-party funding

Feel free to visit us [online](#) in advance!

You can find more information about TH Wildau on the following pages: <https://www.th-wildau.de/>

### We look forward to receiving your application!

Please apply using our [online application form](#), quoting the above reference number, **by June 15, 2026**.

Technical University of Applied Sciences Wildau  
Hochschulring 1  
15745 Wildau

Visit us also :

