

Internship, Bachelor- or Master thesis in India

Description

AUTARCON GmbH is a young and innovative enterprise based in Kassel, Germany. As pioneers in the field of sustainable and autonomous drinking water treatment, AUTARCON develops, produces and sells solar driven systems for safe drinking water supply in rural- and peri-urban areas, the tourism sector and post-disaster regions.

Within the research project “AquaNES”, AUTARCON and the Division of Water Sciences at the University of Applied Sciences Dresden (HTWD) operate two decentralized disinfection units, one in Haridwar and the other in a rural area in the Indian state of Uttarakhand. These units are integrated into riverbank filtration systems and disinfect water for small villages.

For a detailed performance analysis of these two treatment systems, we are looking for a student who is willing to closely monitor them for a period of at least 3 months (preferably 6 months). The collected water quality data has to be evaluated and recommendations for the optimization of system performance derived.

Tasks

- Frequent visits to the above mentioned water treatment stations
- Frequent maintenance and system adjustments as per requirements
- Water sampling and analysis
- Reporting and evaluation of system performance in close communication with AUTARCON staff

Requirements

- Study course in Environmental Engineering, Water Technologies, Hydrology, Chemistry or similar
- Interest in water, environmental, energy related technologies and development cooperation
- Practical experience in working on technical systems and interest in practical / field work
- Readiness to travel under time consuming circumstances and willingness to bear occasional discomfort
- Readiness to live in simple conditions especially during field visits
- Good communication skills and flexibility on working time
- Physically and mentally resilient and talent for improvisation
- Fluency in English, Hindi would be very beneficial
- Experiences in use of statistical software tools (an asset) and skilled in computation (MS Office)
- Experience abroad, preferably in a developing country

What we offer

- Close supervision in a “real” and interesting field by AUTARCON staff
- Stimulating working environment in an aspiring, innovative and international operating enterprise
- Entry into the field of development cooperation
- Coverage of subsistence expenses and travel allowance
- Training in Germany prior to departure

Interested applicants should please contact Philipp Otter at [otter\(at\)autarcon.com](mailto:otter(at)autarcon.com) or call +49 (0)561 – 506 186 892. Further information can be found under <http://www.aquan.es/Default.aspx?t=1668> or the QR code.

