



WORK OFFER

Ref. No. AT-2020-2028GR

Employer Information

Employer: TU Graz
Institut für Eisenbahnwesen & Verkehrswirtschaft
Rechbauerstraße 12

8010 Graz
Austria

Website:

Location of placement: Graz
Nearest airport:
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: -
Business or products: University

Student Required

General Discipline: 03-NATURAL RESOURCES AND CONSERVATION
14B-CIVIL ENGINEERING, GEOLOGY AND MINING

Completed years of study: 3

Field of Study:

Student status requirements: not required

Language required: English Excellent Or
German Good

Required Knowledge and Experiences:

Excellent or good skills in Microsoft Office are obligatory, skills in "R
Statistic", "GABI" would be great, but they are optional.

Other requirements:

Work Offered

Aside from data analytics and Life Cycle Cost calculations, we conduct Life Cycle Assessment for railway infrastructure assets in order to assess the environmental impacts of infrastructure. This includes the environmental impacts within resource extraction, transports, installation, maintenance and disposal of materials. The current focus lies on railway track. We plan to extend these assessments to bridges, tunnels, catenary etc. For this purpose, the intern would have to establish a mass calculation and estimate maintenance works and service lives for the various assets based on existing knowledge at the Institute. The calculation of the environmental impacts of the assets is then conducted with GABI software. Afterwards, the environmental impacts have to be analysed and validated. Thus, we need someone who has a basic understanding of infrastructure buildings and/or environmental science/engineering. Very important is a diligent and independent work attitude. We offer competent support and expert-knowledge on railways and Life Cycle Considerations in civil engineering. We have a young team and everyone speaks english fluently. Also the location is directly in the city centre of Graz and perfectly reachable with public transport.

Number of weeks offered: 6 - 10
Within the months: 02-JUN-2020 - 30-SEP-2020
Or within: -
Company closed within: -

Working environment: Research and development
Gross pay: 1000 EUR / Month
Deduction to be expected: ~20%
Payment method / time of first / payment:

Latest possible start date:

Accommodation

Canteen at work: No
Expected type of accommodation: Student dormitory
Accommodation will be arranged by: IAESTE

Estimated cost of lodging: 350 EUR / Month
Estimated cost of living incl. lodging: 650 EUR / Month

Additional Information

Informational talk by IAESTE and/or employer

Nomination Information

Deadline for nomination: 29-MAR-2020

Date: 16-MAR-2020 **On behalf of receiving country:** Alexandra Lipka