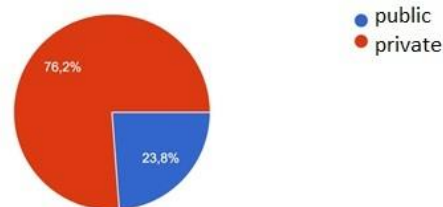


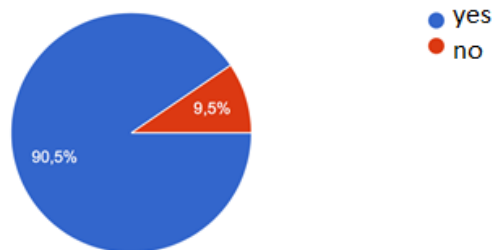
# Assess the Visibility and Perception of Environmental Engineering in the Business Sector

A questionnaire survey was carried out to assess the awareness and perception of the environmental engineering degree. 23 companies responded. The following feedback was received from companies:

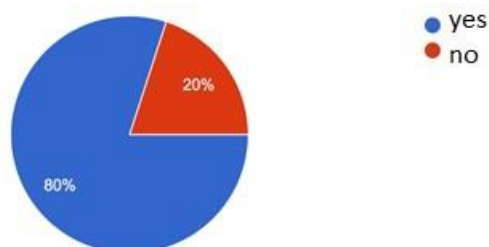
**Is your company public or private?**



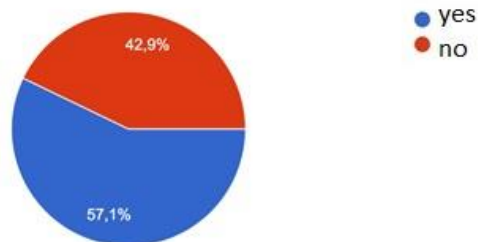
**Have you ever hired a graduate environmental engineer?**



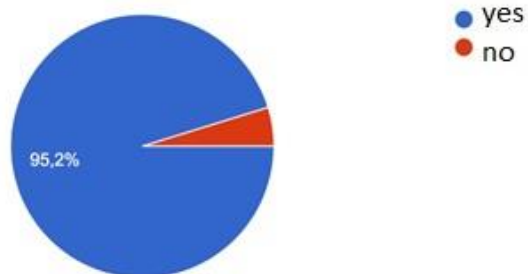
**If so, have you hired a new/recently graduated environmental engineer?**



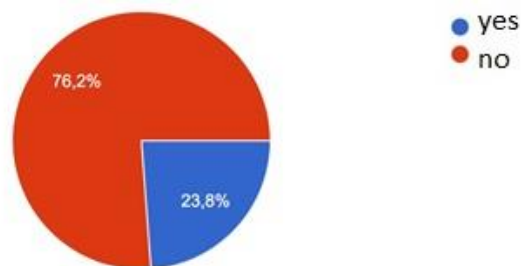
If you could, would you change the training of environmental engineers in Hungary?



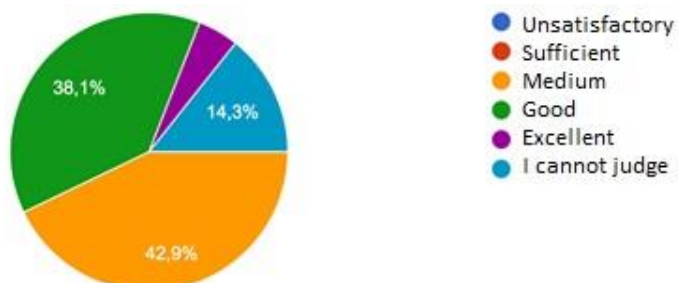
Do you know what the competences of a chartered environmental engineer are?



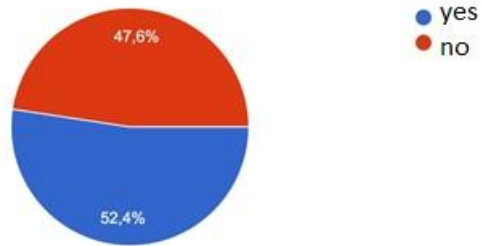
Are you familiar with the curriculum, subjects and competences of the Hungarian environmental engineering course?



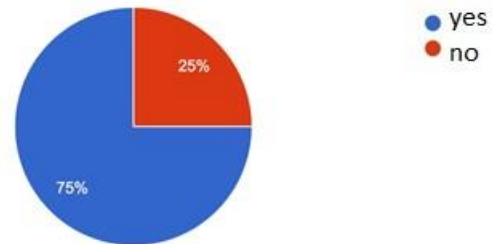
How do you judge it in the light of what your company expects?



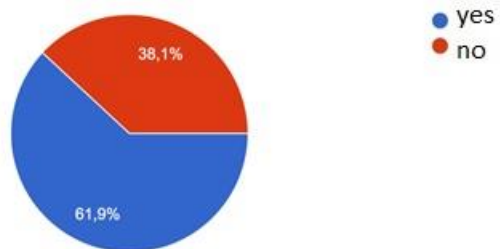
Do you know about dual training?



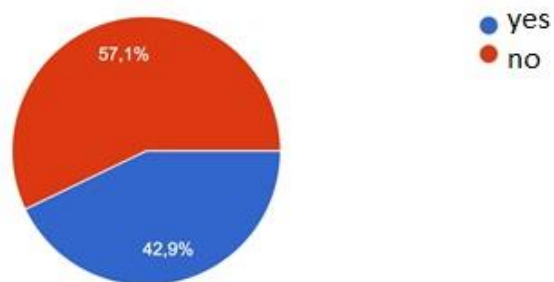
**If so, do you think it's a good idea?**



**Do you/would you participate in the dual training as a company providing apprenticeships?**



**Are you interested in getting involved in education? E.g. in a series of practical lectures, in a stand-alone or part course?**



**What do you expect from an environmental engineer?**

- „Creative thinking, good communication skills, precision, good customer service.“
- „Full knowledge of both the legal and practical aspects. Modern thinking combined with a traditional approach.“
- „Basic technological skills and open mind and thinking“
- „Practical knowledge business knowledge“
- „Have not only solid professional, but also IT and business skills.“
- „Better understand and apply the economics of reducing the environmental footprint in a real industrial context. They need to have a broader technical knowledge to be able to judge, for example, how much heat and cost savings a heat exchanger can generate. Why a pump should be cooled by recirculation instead of flow cooling, etc...“
- „The operation and optimisation of water treatment and wastewater treatment plants in a cost-effective and sustainable way. Keep abreast of new developments and innovations in the field and propose their use. Monitor energy use and, through various data analyses, make visible the areas where we need to improve through better actions, projects and innovative solutions to use energy more efficiently. It must be attentive not only to compliance with the law, both in terms of energy use and factory emissions. In the event of deviations, it must be able to intervene and develop proposals for improvement. Be able to propose, design and implement project ideas to protect the environment and/or reduce energy use and emissions. Be able to participate effectively in international projects.“
- „Knowledge of materials, knowledge of technology, knowledge of the legal environment, knowledge of official procedures“
- „Contribute to the success of operations and environmental processes at an appropriate level of qualification, with an understanding of the legal and economic aspects of operations.“
- „Master the principles of public authority operation and regulation“
- „The ability to put him in a leadership position.“

### **In which areas do you propose improvements or changes? What subjects would you consider important for students to learn in this area?**

- Creative problem solving, coding, financial literacy
- Waste management, Legal skills
- Waste management, recycling, innovation strategies (R&D), practical approach to remediation.
- Chemical technology
- Dioinformatics geoinformatics
- Business subjects
- basic economics
- Less theory, more practice
- I recommend developing business and IT skills.
- Business and IT and geospatial
- Machine components, machine structures. Energy. Economics, costing. Energy balances., etc...
- Measurement, analysis. Project management. Energy efficiency, innovative technologies. Environmentally sustainable, efficient energy supply. Environmentally friendly industrial technologies. Water treatment, waste water treatment.

- Project management and safety basics
- Business skills
- Drainage, mechanical engineering
- management skills, employee-related tasks, measures, problem management
- Basic legal knowledge.
- Students should be better immersed in the field of innovation and informed by national and foreign literature, and should be instilled with the principle of lifelong learning.
- Deeper knowledge of business basics
- I would consider it important to have a basic IT education, whereby the potential of IT technologies is understood and, where appropriate, implemented, thus increasing operational efficiency.
- I would encourage the development of basic economic and management skills and basic IT competences.
- Chemistry, Economics.