The Value of GCSP to Employers- energy perspective

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About ACUE

The Federation of Associations of Energy Utility Companies (ACUE) was established in May 2012 and has 28 members, including important electricity and natural gas groups, such as CEZ Romania, E.ON Romania, Electrica SA, ENEL Romania, ENGIE Romania, Gaz Est, Transelectrica SA, WIEE.

ACUE is a representative employers federation at the level of electricity, oil, gas and energy mining sector.

The companies represented by ACUE have a total of about 27,000 employees and a total annual turnover of over 5.5 billion Euros.

The total amount of investments made by ACUE members over the period 2005-2018 exceeds 10 billion euros.

The importance of the electricity and natural gas distribution sector is highlighted by a PWC study in 2018 that shows that it has a gross added value in GDP of about 12.9 billion lei (about 2.8 billion euros), which represents 1.42% of GDP.

A job in this sector supports 3-4 other jobs in the economy.
Most relevant engineering challenges

*Restore and improve urban infrastructure*
- We have an outdated infrastructure that needs to be upgraded. There is a need for innovative technical solutions that are financially viable but also sustainable in the transition to a zero-carbon economy.

*Secure cyberspace*
- Automation, digitalization, instalation of SMIs increase network security risks

*Advance personalized learning*
- Engineers can contribute to creating new learning methods, where multidisciplinary and understanding of viable business models are key elements
Challenges in hiring engineers

- Currently, Romania faces a labor force crisis in all sectors of the economy, both at the quantitative and qualitative level. The main causes are migration and demographic decline, but also the education system that still does not meet current labor market demands.

- The curriculum does not keep pace with new technological trends, and the revival and development of vocational and technical education is progressing but not sufficiently high in relation to employers' needs.

- Within universities, there is a need to develop research and / or technology centers in a public-private partnership that responds to the challenges of the 21st century and form future researchers / engineers / specialists.

- The automation and digitalization of the sector in which we operate implies the development of employees' continuing training programs, through which new skills and competences are developed, which are inter-sectoral or multidisciplinary. The market is currently lacking in such training courses, customized learning programs that can be created by business specialists in collaboration with academia. The digital revolution leads to the emergence of new jobs in the context where we are increasingly talking about distributed generation of energy, prosumers, or smart cities.
Expectations & support

- The GCSP program promotes 5 valuable skills for the fourth industrial revolution where automation and digitalization are essential.

- Preparing young people for this program will bring a new generation of engineers capable of coming up with practical and sustainable solutions to major issues that the society is facing.

- Certainly, we will examine, together with ACUE member companies, the opportunity to get involved in youth training through the GSCP Program.

- Most likely, there will be a time when GSCP certification will make a difference in making decisions about hiring a young man in a company, at least in the energy sector represented by ACUE.
Thank you!
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