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| Job title | Graduate Expert – Municipal Solid Waste Feedstock Decarbonisation |
| Localisation | United Kingdom – Bristol |
| Direct supervisor | Andrew Connelly |
| Generic introductory text:  | You want to actively participate in the protection of the environment and contribute to the preservation of resources. SUEZ recruits Graduate Experts to strengthen its technical expertise. Join us to become an expert in the art of decarbonization. |
| Job description | What better way to do this than to directly join SUEZ and benefit from the expertise of the best experts in the profession?In the context of climate change, the SUEZ group must be at the forefront of innovation to meet the challenges of decarbonising the treatment of residual waste. As a Graduate, you will have the opportunity to work on varied and exciting assignments to meet these challenges.Your challenge? to rethink waste processing and recycling, and help shape the future of waste treatment infrastructureYour mission if you accept it:1. **Mastering Mechanical Treatment Technologies**
* Develop an expert understanding of conventional mechanical treatment technologies and how they interact within a recycling separation process.
* Analyze our current mechanical treatment infrastructure to identify opportunities for optimization and drive continuous improvement across the business.
1. **Leveraging AI & Automation in Waste Processing**
* Research emerging AI-driven sorting technologies, assessing their capabilities, limitations, and integration potential.
* Develop business cases for the implementation of automated technologies to enhance performance.
1. **Driving Performance Improvements**
* Deliver modification projects to optimize mechanical treatment processes and boost efficiency.
* Identify and evaluate the impact of legislative changes on waste feedstocks and treatment infrastructure.
1. **Building the Future of Waste Valorization**
* Stay ahead of regulatory changes and industry trends, ensuring SUEZ remains a leader in sustainable waste management.
* Engage with customers to understand market demand for recovered materials, supporting the development of new product streams from Material Recovery Facilities (MRFs)

You will collaborate with experts across SUEZ global network, you will develop and test solutions that enhance material recovery, improve efficiency, and support the transition to low-carbon waste treatment strategies.At the end of the 2 years of this position integrated into the Graduate Expert program, you can continue to deepen and share your expertise acquired within SUEZ with typical progression through roles such as Assistant Technical Engineer, Technical Engineer and Senior Technical Engineer in the UK or over the world for other SUEZ Business Units. |
| Profile Description | You have a **Master’s degree** in Environmental Engineering, Mechanical Engineering, Chemical Engineering, Data Science, or a related field\*\*, with an interest in waste treatment, AI applications, and sustainability? You have:✔ A strong analytical mindset and problem-solving skills. ✔ Interest in AI and automation in industrial processes. ✔ Ability to translate technical challenges into business opportunities.✔ Passion for sustainable waste management and circular economy principles. ✔ Excellent communication skills, including proficiency in English. Furthermore, You are:- Curious to learn a job with a future- Ingenious in finding innovative solutions- A good communicator to share your knowledge with the project team and operators- Collective with a good team spirit- Listening to internal and external customer expectationsReady to disrupt the waste industry and drive real change? Join us at SUEZ!♻️🌱  |
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