Q. How does ISO 14001 highlight Nasmyth IEC's environmental management systems?

ISO 14001 International Standard provides a framework to protect the environment and respond to changing environmental conditions in balance with socio-economic needs. It has helped us to enhance our environmental performance. The certification highlights Nasmyth IEC's environmental management systems for air pollution, land and water contamination, use of raw materials, natural resources, energy, generation of waste, climate change and other resource use and efficiencies.

Q. Why did you work on a new cost saving waste disposal solution for Nasmyth IEC?

As part of my IEC purchasing apprenticeship last year, I worked on the project to find a better way for our waste disposal. I was motivated to research our existing waste disposal method to help Nasmyth Group meet the requirements for ISO 14001. I did research into the options available and I produced reports and diagrams for the team.

Q. How did you conclude that a better waste disposal process was required?

I analysed the current method of waste disposal and I looked at the main disadvantages such as the costs and the lack of efficiency. I sourced new options that were more cost effective and sustainable.





Q. What solution did you f nd for Nasmyth IEC's waste?

When I started the project, I was initially focusing on ways to reduce cost whilst improving recycling of our waste. I did some research on alternative methods of waste disposal and I looked at all our different types of waste. I analysed the advantages and disadvantages of various methods. I eventually came up with the solution of a compactor unit which requires very little emptying.

Aside from the cost savings of 6k per year, the compactor unit only needs emptying every four months compared to our current waste disposal method of every month.

Since the implementation of my project, I have been nominated to be trained as the trainer to operate the machinery, which will allow me to train my colleagues on how to operate the compactor.

Q. How did you f nd a location for the compactor?

After discussing with the Facilities Manager, I produced two different ideas regarding the locations of all the waste systems on the forecourt for safety and usage.

Q. What percentage of the waste will be recycled with the new compactor unit?

About 30% of our waste will be recycled with the new compactor which is a further improvement compared to our old system.

Q. How will your project help other businesses in the Nasmyth Group with waste disposal?

Across its 12 businesses, Nasmyth Group continues to reduce its environmental footprint as part of its long-term sustainability programme. My project has been implemented at Nasmyth IEC and it will also be considered across multiple sites within the Nasmyth Group.

Q. What is next for you following this project?

I have completed my Nasmyth Group apprenticeship and I am now training to be an Assistant Buyer at Nasmyth IEC. I am proud that my project has been recognised by Senior Management and that it has contributed to our achievement of ISO 14001.

As a result of my project, I have been put forward for the Six Sigma course which uses DMAIC to improve the speed, quality and cost of a process. I am also looking to do a Chartered Institute of Procurement and Supply course.

Nasmyth IEC manufactures and delivers highly sophisticated precision engineering products and solutions to the international defence market. It is a strategic manufacturing partners with many of the world's leading defence primes.

Working across Space, Air, Land and Sea, Nasmyth IEC provides electro-mechanical assembly and test, hydraulic and pneumatic systems and the supply of composite, metallic and fabricated components.

The team works with customers from concept through to production and acceptance, including installation and training. Backed by the Nasmyth Groups global presence and unrivalled capabilities, Nasmyth IEC is at the forefront of assembly services from fight simulation to naval minesweeping devices.

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