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HSECES - Health, Safety and Environmental Critical Equipment Systems

Applus+ services in Health, Safety, and Environmental Critical Equipment Systems (HSECES) focus on equipment and systems whose failure could lead to, or significantly contribute to, incidents with severe or catastrophic consequences. These services also cover systems specifically designed to prevent such events or to mitigate their impact on people, assets, and the environment.

Our experience in this area consists of assisting clients in identifying, documenting, and guiding them on the most efficient ways of managing these essential systems of equipment to protect against any failure risk in the safety-critical equipment.

THE Applus+ SOLUTION

In every operation, there are critical equipment systems that must function properly and be monitored correctly to prevent any sort of disruption or damage, as any failure may result in major accidents.

Applus+ has the knowledge and practical experience to help you benchmark your current HSECES activities and determine the scope of the programme. Our experts in safety critical equipment will devise the necessary plans and programmes to help you systematically improve the monitoring of these systems and maintain HSE quality assurance levels.

We can train a client's workforce, support programme implementation and help you reduce your HSECES-related problems.

The systematic approach taken by Applus+ to identify the scope of investigation into HSE critical equipment involves:

- Identifying hazards and effects
- Assessing their significance
- Providing control for threats
- Providing recovery preparedness in the event that control is lost

Applus+ starts by benchmarking the client's current activities in HSE critical equipment systems (HSECES), and highlight any potential exposure to significant HSE risk. We then look at the bigger picture, to see what changes can be made to the way systems work and quantifying the positive impact these would have on the business.

The HSE critical equipment systems comprise threat controls (barriers), recovery preparedness measures and associated escalation controls.

Target customers

Applus+ supports client's in their safety health and environmental management by deploying services in HSE critical equipment systems, including:

- drawing up performance standards for all identified HSECES
- providing qualitative and quantitative performance requirements for each piece of equipment or computer programme
- protecting people and the environment from major hazards such as fire, explosions and the emission of toxic gases or fumes
- ensuring the effective and safe evacuation of people from affected areas of the site, the evacuation of the entire site and/or the transfer of people to safety

Key customer benefits

Services in HSE critical equipment systems are fundamental to Identifying potential risks and taking the necessary measures to deal with them quickly and effectively. HSECES is crucial in any business since the failure of these critical equipment and systems could cause or contribute to an accident with severe consequences to people, the environment and a company's business.