

Safran Landing Systems CAD plant refurbishment case study

- Rapid problem diagnosis
- Design and remedial works
- System improvement
- Installation
- Make operational and hand-back



Overview

Safran Landing Systems is a world leader in the design, development, manufacture and support of landing gear systems for a diverse range of private and commercial aircraft. The group employs around 7,000 worldwide and is associated with advanced engineering, technology and exacting operating standards. The Gloucester (UK) site undertakes research and design as well as landing gear system manufacturing.

Key issues

The site cadmium removal plant suffered a failure in one of the vessel internal distribution systems leading to resin media being distributed through pipework and into other vessels. It caused blockages within valves, decreasing vessel functionality and the CAD plant had to be shut down creating an additional £1,000 weekly licensed effluent removal cost to maintain production on the site.

Our approach

We provided a rapid response and scope of work solution designed to correct and improve site cadmium removal quickly, efficiently and permanently.

We recoated the bund that the CAD Plant was located in including document photographing all pipe work and pneumatic lines. The pipe work was then cut out and the resin within the system removed before the vessels were lifted out of the bund.

All of the internal distribution systems were removed and renewed.

The bund was recoated prior to rebuilding the CAD Plant which was built to original install specification with an additional innovation – numerous unions and isolating valves were added to ensure that any future removals and maintenance work could be undertaken quickly enabling smart isolation of feeds to the control valves and removing the need for vessel drain down.

Outcome

The CAD plant was removed, remedial work was undertaken and the plant was reinstalled and made operational ahead of schedule, under the estimated budget and problem-free, enabling the site to cease the £1,000 per week effluent transport arrangement and return to full production.

By introducing isolating valves, planned or forced future remedial work is easier, less expensive and can be completed more quickly with less disruption.

We provided on the spot problem solving, consultancy, systems improvement, design, installation and hand-over services within the scope of work.



CAD Plant prior to commencement of work



Bund cleared and ready for re-coating



Start of rebuilding



Completed project

About WCS Group

WCS Group are water treatment and control improvement specialists. They provide water systems and process management, life cycle management, Legionella control, ACoP L8 compliance and training to help organisations reduce energy and water usage safely and reliably and remain compliant. A WCS Group company was a founding member of the Legionella Control Association. We are an INVESTORS IN PEOPLE partner and accredited to ISO 14001 and ISO 9001.

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