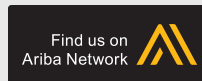
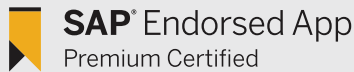




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Shut Down Turnaround and Outage (STO) Management: Maximizing Efficiency with AlertEnterprise and SAP

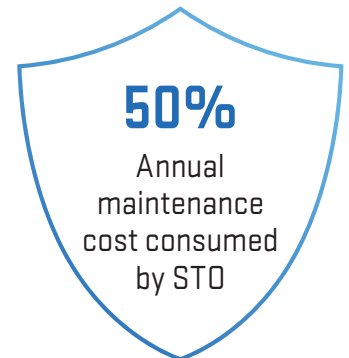
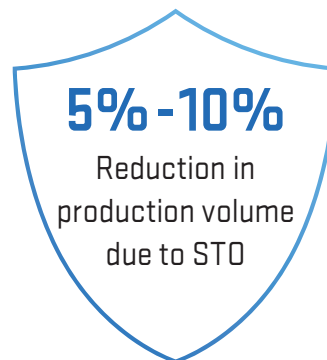


Shut Down Turnaround and Outage (STO) is a critical process in the Maintenance and Reliability Management of any production plant. Involving the shutdown of plants and equipment for planned maintenance or upgrades, STO requires a comprehensive and multi-disciplinary approach to ensure successful planning and execution. By partnering with AlertEnterprise and SAP, companies can derive substantial savings and value through a comprehensive, integrated, and intelligent approach to STO management.

Introduction

STO consumes up to 50% of the annual maintenance cost for a plant and can reduce annual production volume by 5-10%. The process is complex and requires thousands of employees and contractors, making Contractor Management and Asset Governance critical to its efficient execution. As such, effective management of STO operations can lead to substantial cost savings and significant impact on production.

Indeed, a [McKinsey Study](#) indicates that better management of STOs can lead to schedule and cost savings of up to 30%.





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The Value of Partnering with AlertEnterprise and SAP

AlertEnterprise and SAP have a longstanding history of providing end-to-end solutions for STO. Together, they offer a range of STO solutions such as asset preparation, maintenance planning, resource allocation, procurement, safety, and project management. All these are integrated on the Business Technology Platform (BTP) by SAP, a scalable and secure cloud platform. The advantages of partnering with these two organizations include:



Comprehensive STO Solutions

AlertEnterprise and SAP provide a full range of STO solutions, tailored to specific requirements. From asset preparation to project management, all solutions are integrated on SAP's BTP platform. This comprehensive and integrated solution results in significant savings and value addition for companies.



Improved Visibility and Collaboration

STO projects involve multiple departments and stakeholders, from maintenance to project management. AlertEnterprise and SAP's STO solutions offer a centralized platform that improves visibility and accountability across all departments. This can lead to better decision-making, increased efficiency, and reduced downtime.



Reduction in Costs and Risks

By offering a holistic approach to STO, AlertEnterprise and SAP eliminate the need for multiple vendors and solutions. This consolidation results in reduced costs, improved reliability, and increased safety. Real-time risk analysis identifies and mitigates potential risks, reducing downtime and enhancing safety.



Enhanced Data Management

The solutions provided by AlertEnterprise and SAP also include an intelligent data management platform, accessible in real-time to all stakeholders. This data can be used for performance analysis, trend identification, and better decision-making. Historical data from the platform can benchmark against past STO projects, driving continuous improvement.

Contractor Management and Asset Governance

During STO, the need to rapidly onboard a large number of temporary employees makes Contractor Management a critical component of the process. Guardian by AlertEnterprise automates Access Provisioning, accelerating Contractor Onboarding/Offboarding, and enabling vendors to manage access for their teams.



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Guardian by AlertEnterprise

Here are some specific ways Guardian can bring your STO Management to the next level:

Contractor Access Lifecycle Management

Guardian manages and automates onboarding/offboarding, authorized personnel on premise, checking in/out, and how much time is spent on site. Guardian stores event data and makes it available to SAP BTP S4/HANA for data-driven decisions to address safety, security and uptime.

Compliance and Audits

Guardian enforces proper EHS, SOP and other industry-specific LMS checks.

Restricted Access

Guardian enforces restricted access to certain areas and equipment to ensure safety and security.

Incident Response

In the event of an emergency or incident during STO, Guardian can facilitate a quick and effective response by providing real-time visibility into the location and identity of personnel within the facility. This information can assist emergency responders in identifying and locating individuals who may need assistance and ensure the safe evacuation of personnel, as necessary.

Simultaneously, Asset Governance is crucial for efficient STO execution. AlertEnterprise Guardian allows unified access to Physical, IT, and OT assets, maintaining the Chain-of-Custody for each asset. By ensuring that all employees and contractors meet access requirements, AlertEnterprise provides 360-degree security and Out-of-the-Box Compliance with applicable regulations.

Conclusion

During STO, the need to rapidly onboard many temporary employees makes Contractor Management a critical component of the process. AlertEnterprise automates Access Provisioning, accelerating Contractor Onboarding/Offboarding, and enabling vendors to manage access for their teams.



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