

OPERATIONS / ENGINEERING

Operational Technology engineer

BAND :

REPORTING TO:

TRANSVERSAL REPORTING TO:



Pernod Ricard
Direction des Ressources Humaines

Aim of the job:

Ensure that the Operational Technology (OT) architecture within manufacturing supports the Operational and Security demands.

Roles and responsibilities: (max 10 missions)

Develop and secure a reliable OT environment for manufacturing based on best praxis in the group. Contribute to develop the environment and contribute to the global community dedicated to this topic. This role and its responsibilities could apply to multiple factories, described below in [Scope of sites](#).

Mission 1: Responsible for the Industrial Control Systems (ICS) cybersecurity.

Make sure that, together with the global Expert team, global IT Operations and the global Cybersecurity team the cybersecurity of the ICS environment shall be maintained and developed. The items below are the responsibility of the position.

- **Manage OT network support:**
 - Maintain and coordinate, together with the global teams
 - OT network design, -asset monitoring, -security
 - OT firewall rules
 - remote access
 - wireless communications for IT and OT
 - Moves, Adds, Changes on switch configurations
 - Report network security status
 - hardware: failures on servers, switches and firewalls, IOS + firmware updates
- **Manage Patching:**
 - Maintain and coordinate, together with the global teams
 - Perform security watch
 - Assess patching needs when an advisory is posted
 - Report patching status
 - Fully Accountable, global teams available for support:
 - Watch for OT application and control devices security patch release
 - Patch Process: Perform patching testing in specific OT setup
 - Patch Process: deploy patches to workstations, to servers, to OT firewall and OT switches and to IT firewall

- **Manage OT related equipment, including:**
 - Maintain and coordinate, together with the global teams:
 - Manage, monitor and maintain the Virtual Machines stack
 - Design Virtual Machine templates
 - Define backup strategy and schedule
 - Tools + Configuration backup system
 - Manage and maintain end point protection system
 - Compliance OT local site equipment to policy and procedures
 - Security Governance & Organization
 - Fully Accountable, global teams available for support:
 - Provision of Virtual Machines
 - Perform back up restores
 - OT applications and their availability
 - Local workstations on OT network as well as Thin client
 - 3rd parties dedicated application/network solutions within existing OT environment
 - PLC, other industrial controllers, Human Machine Interfaces
 - Industrial Internet of Things
 - Ensure up to date documentation related to OT network
 - Ensure security in Projects

- **Manage Active Directory (AD), including:**
 - Maintain and coordinate, together with the global teams:
 - Domain controller maintenance
 - Group Policy management
 - AD Organisational Unit structure management
 - AD Object management
 - DNS administration

- **Manage Incident management, including:**
 - Maintain and coordinate, together with the global teams:
 - Cyber Security incident management
 - Cyber Incident and crisis management process
 - Cyber Crisis declaration and communication with site, IT and business
 - Develop recovery procedures
 - Report on past cyber incidents
 - Fully Accountable, global teams available for support:
 - Manage non cyber security related incidents
 - non-Cyber Crisis declaration and communication with site, IT and business
 - Test backups and recovery procedures (all OT equipment)
 - Manage, analyze and correlate logs at the site level

- **Stay closely aligned to Global Expert team, provide feedback and ideas for improvement.**

Mission 2: Contribute to sites development of Industrial Automation platform and OT related initiatives (e.g. Industry 4.0, Internet of Things, MES systems)

- Participate or individually drive Industrial automation/instrumentation projects or provide topic specific input to projects with Industrial Automation aspects in it.
- Ensure sites Industrial Automation platform is and stays agile, fit for purpose to serve the affiliates ambitions
- PLC/HMI development and troubleshooting understands industrial communications, -safety, - manufacturing and -project management.
- Drive the industry 4.0/IIOT/MES solutions forward.
- Specify, design, purchase and supervise the installation and commissioning of instrumentation and industrial automation projects.

Scope of sites

- The position missions apply to the following manufacturing sites:
Xxxx
- Travel to these sites is required on a regular basis in general, or when needed additionally due to demands (e.g. projects, trouble shooting, migration, upgrades, hardware exchange etc.)

