

HMH Secure Operations™

With an increased focus on cyber security in the oil and gas industry, it is imperative that necessary measures are implemented to enhance the security of the rig Drilling Control System. The HMH Cyber Security service portfolio Secure Operations (SecureOPS™) is designed to meet this ever-increasing demand, and to conform with government, rig owner and drilling contractor requirements. HMH can support clients to meet the requirements of the industry as the services are designed in accordance with the IEC 62443-2-4 standard.

Product description

The HMH Cyber Security services are designed to support all aspects of the Secure Operations portfolio throughout the lifespan of the Drilling Control System. The initial CS assessment and scheduled health checks report on system status and security stature.

Threat and vulnerability management, as well as Account Management and Secure Control make sure that the system is maintained controlled and safe during everyday-operation.

Monitoring and Incident response is designed to identify and react to incidents, while Disaster recovery's purpose is to assist restoring the system to it's operational state after a potential incident.

Benefits

- HMH Cyber Security specialists performing a variety of services
- Cyber Security services in accordance with IEC 62443-2-4

Key features

- CS Assessment. Assessment to establish and determine the security posture of a system
- Health Check. Checks to ensure best operational state for the drilling control system
- Monitoring and Incident Response. Monitoring of drilling control system and response to identified incidents
- Threat and Vulnerability Management
- Accountment Management. Securing of user and service accounts
- Secure Control. Secure administrative access-control to all HMH systems
- Disaster Recovery. Maintenance of disaster recovery system and response to failed backups



Services in the SecureOPS™ portfolio

	Deliverables	System Requirements
CS Assessment Assessment to establish and determine the security posture of a system	Offshore survey Cyber assessment report with risk and mitigating recommendations	Remote and local access to rig
Health Check Checks to ensure best operational state for the drilling control system.	Check of predefined items Minor correction of errors and performance issues Report with status & recommendation	RDPC Subscription
Monitoring and Incident Response Monitoring of drilling control system and response to identified incidents.	Monitoring Response to identified incidents	RDPC Subscription Data-stream to shore
Threat and Vulnerability Management	Tested patches and updates Distribution of patches and updates	RDPC Subscription Patch management server Malware management and client software Online file transfer
Accountment Management Securing of user and service accounts	Account and password management Maintenance of user and service account repository Track access and logs	RDPC Subscription Account Management System HMH SecureOS™
Secure Control Secure administrative access-control to all HMH systems.	System locked down state System access control Change management	RDPC Subscription Account Management System HMH SecureOS™ HMH SecureNET™
Disaster Recovery Maintenance of disaster recovery system and response to failed backups	Periodic checks and technical reports Maintenance of disaster recovery system	Disaster Recovery System HMH SecureData™ Rig survey

Data is subject to confirmation by the manufacturer.

Additional information

For all services, except for the CS Assessment Service, a Remote Diagnostic Subscription is a requirement for service delivery as many service deliverables are dependent on online monitoring, checks and update.

