HARDWARE

Drilling Control System Upgrades

We offer future-ready Computing Solutions

Data infrastructure offerings are designed with business continuity, scalability, and ease of maintenance and recovery in mind.

Servers & Clients

Robust infrastructure running HMI, smart modules, endpoint protection, backup system and domain controller.

TURN PAGE FOR MORE

Controllers

Controls, interfaces and automates drilling machinery and processes.

Network

Connects servers, clients, PLCs, network and security related components.

System Upgrades ADVANTAGES

FUTURE EXPANSION FRIENDLY

Easy future scaling of data infrastructure.

OPTIMIZED UPTIME & MAINTENANCE

System vitality enabled by HMH services.

BUILT FOR SECURITY

When combined with HMH security offerings.

ENVIRONMENTAL EFFICIENCY

Efficient hardware reduces power consumption.

System Upgrades

Servers & Clients

Elevate your rig's performance and enhance your digital infrastructure with our Servers & Clients.

Core Servers

HMH core servers host virtual computers running applications like drillView™, drillView GO™, Smart Modules, and endpoint protection. The solution is highly scalable and easy to upgrade.

Redundant Cluster	A resilient, scalable, high-availability virtual powerhouse engineered for peak performance and unparalleled uptime. Typically comprising 3-4 physical nodes, it offers effortless maintenance, easy expansion or reduction, and full redundancy to ensure continuous operation.
Single Advanced	A single, robust virtual host server for small to medium rig installations. It can run multiple virtual machines, only limited by the capacity of the physical server.
Single Basic	An entry-level single, robust virtual host server for up to 4 virtual computers.

Backup Server
Securing your operation

Ensure data security and peace of mind with our automated Backup Server, featuring disaster recovery, automated backup of server and network infrastructure and clean-stage recovery to safeguard your operations against unforeseen threats.

Domain Controller
Authentication center

Enable centralized system administration with our Domain Controller, managing user and computer authentication, centralize management of network equipment, and ensuring role-based access control for appropriate access levels.

Clients

Workstations for daily use of HMI and CCTV

Indoor Client	Powerful performance in Human-Machine Interface (HMI) and Closed-Circuit Television (CCTV) applications with a 24" screen display, hard coating, high brightness, anti-glare, and flicker-free technology for comfortable viewing.
Outdoor Ex-client	Designed for installation in explosive areas up to Ex Zone 1, with a rugged design for outdoor use.

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Controllers

Discover unmatched reliability and durability in HMH's Industrial Controllers.

Connect, control, and monitor your physical processes and machines with our advanced industrial controllers, designed for maximum performance and reliability.

HMH Industrial Controllers

PLC CONTROLLERS

Simatic S7-1500 Advanced

- Latest software platform securing long term support
- High performance PLCs enabling future upgrades
- Bus connected IO ensuring easy hardware upgrade in future.

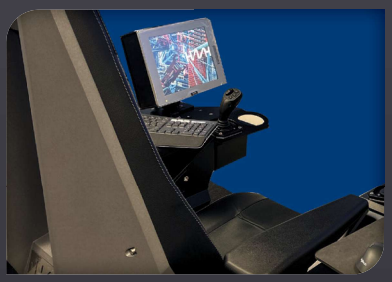
ROBOTICS CONTROLLERS

IPC with RTX64

- High efficiency motion & utilization of machine
- Smooth & fast movement pattern
- Reduce machine wear and tear

HMI PANELS

Proface + Simatic WinCC



Operator Chair:

- Proface 12" touch-screen
- Extended HMI for Smart Modules
- High brightness

Local Operator Panels:

- Simatic WinCC Panels
- Local operator panels
- High brightness

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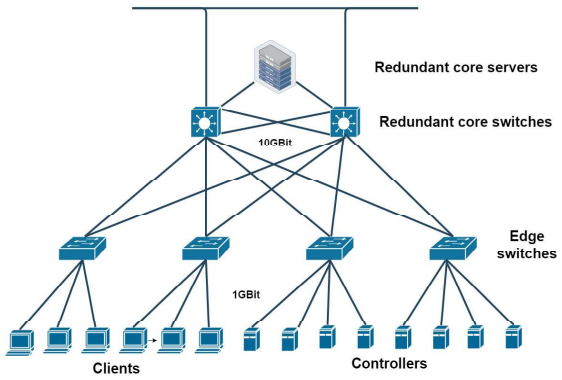
Network

Achieve ultimate connectivity and stability with HMH's Industrial Network Solutions.

Seamlessly connect servers, clients, PLCs, and security components with HMH's Industrial Network Solutions for a stable and reliable network.

Network Solutions

- Security by design (layered, locked, secured)
- Robust, industrial performance
- Redundancy keeps network running despite failure
- Delivered with central management and access control
- Easy to expand



Security Solutions

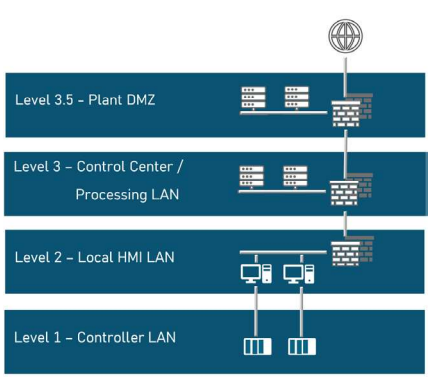
- Proven architecture for industrial protection
- Increasing security down the levels
- Only pre-determined traffic is allowed
- Each firewall is redundant to secure uptime

SecureNet

- **IEC 62443 Cyber Security design**
- **Our most comprehensive network security design**
- **3 redundant firewall clusters**
- **Attacks must pass all 3 security levels**

Basic Security

- **1 redundant firewall**



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