R.A.S.

REMOTE ASSISTANCE SYSTEM

norwegian electric systems

REMOTE ASSISTANCE SYSTEM

Secure access to the vessel`s propulsion system in a matter of minutes!

An easy to "phone home" VPN solution for secure remote assistance. Through the vessel`s satellite communication system the user can receive expert assistance to help solve operational problems, from anywhere in the world 24/7.

The service personnel will have full access to the complete automation system delivered by NES and will be able to see what the crew onboard see. This opens new opportunities with regards to service and support, and will drastically reduce the risk of vessel "off hire" time.

EXCELLENCE IN ELECTRIC

| VESSEL | CYBER SECURITY | NORWEGIAN ELECTRIC SYSTEMS |

Router for VPN activation

OPENVPN™

ALL THIS WITHOUT EVEN SETTING FOOT ON THE VESSEL
– SAVING TIME AND MONEY!

TECHNICAL

The core technology of the RAS is a dual port (WAN/LAN) router with intelligent firewall, NAT and OpenVPN . By default the router requests IP address and DNS settings as a DHCP client on the WAN port, and acts as a DHCP server on the LAN port. The built in OpenVPN client is configured with SSL certificates, which is used by both the client to authenticate the server as trusted, and the server to authenticate the client. An IP address is assigned by the OpenVPN server. Traffic is then forwarded to the customer connected to the LAN port using NAPT, only from the OpenVPN tunnel interface. The OpenVPN client will only initiate a connection to the server when a key switch is turned on by the crew. As soon as the key switch is turned off, the VPN connection will terminate. There is visual feedback with a connection light and an optional digital output to the vessel`s integrated automation system. The OpenVPN server are located in a secure datacenter in Norway.

READ ONLINE