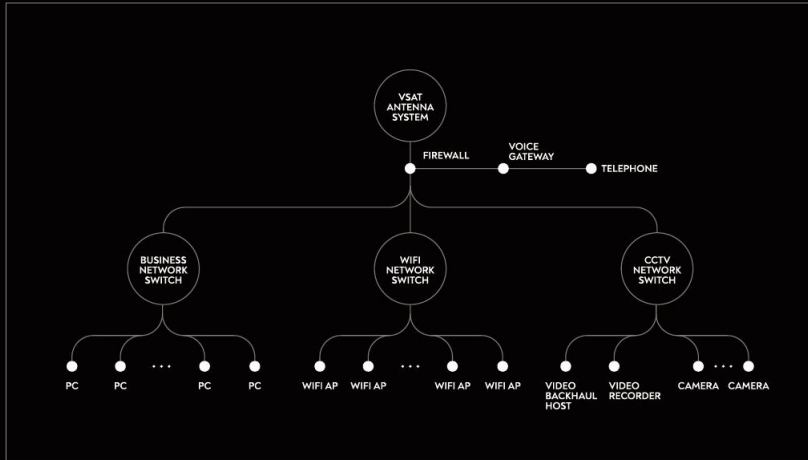


# ONE-STOP SHIP IT O & M SERVICE

Marinesat provides professional network construction, operation and maintenance services to solve network O & M problems and guarantee the smooth working process for vessels, helping the vessel to establish an overall IT solutions.



## LAN CONSTRUCTION

Ship network construction, firewall setting, lan deployment, office computer clean-up and sub-network division with independent logic.

## REMOTE IT OPERATION & MAINTENANCE

Provide O & M services like periodic equipment inspection, problem analysis, trouble-shooting and so on after deployed with latest network equipment.

## REPORT & FILING SERVICE

Provide filing service for vessel system documents, internet and LAN documents, issue report and measures report according to requirements of the class.



[www.marinesat.com](http://www.marinesat.com)

# SMART MARITIME IT SERVICE



SMART MARITIME IT SERVICE COVERS THE ENTIRE SHIP WORKING

## 01

SMART LAN

## 02

IT O & M SERVICE

## 03

REPORT & FILING SERVICE

## 04

SHIP CYBER SECURITY

## 05

BRAND NEW OFFICE SCENE

## 06

ICT ENABLES MARITIME POSSIBILITIES

Providing all-round 24/7 professional IT services like consultations, IT planning, network communications, routine operation&maintenance, information security, office tools and so on to safeguard the informatized development for vessels.

# NEW GENERATION SHIP OFFICE SCENES

## INTRODUCTION

As an application in the era of virtualization and cloud computing, it is a new model to replace the traditional computer, effectively improving the utilization rate of ship office resources, saving hardware and operation and maintenance costs, and improving office quality.



## UNIQUE MEMORY PAGE SHARING, VM TEMPLATE LINK TECHNOLOGY

Save computing and storage resources, improve server resource utilization, and allocate resources to crew members as needed.



### CENTRALIZED REMOTE MANAGEMENT

Remote operation and maintenance, decreasing direct and indirect cost.

### MOBILE OFFICE

Free from site restrictions, improve work efficiency.

### DATA SAFEGUARD

Data is stored centrally to improve security.

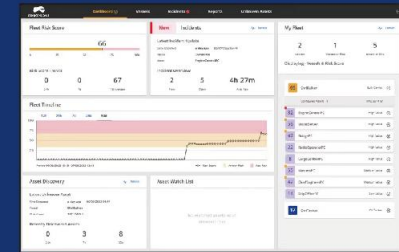
### OFFLINE AVAILABILITY

Independent of network, improve availability.

# SHIP CYBER SECURITY

## LEADING MARITIME CYBER SECURITY ASSESSMENT AND ANALYSIS SYSTEM

Protect ship's network assets from threats and attacks through the security system with unique algorithm; increase the safety performance of ship network; decrease potential economic loss; and provide basis for IMO 2021 compliance.



## REMOTE DEPLOYMENT: DEPLOYMENT CAN BE DONE WITHOUT EMBARKING THE SHIP, INDEPENDENT OF INTERNET, AVAILABLE LOCALLY ON THE SHIP.



### OVERALL NETWORK ASSETS RISK MANAGEMENT

Real-time risk assessment and alert, monthly report, decreasing cost loss, increasing assets safety.

### OPTIMIZATION OF BANDWIDTH INSTABILITY AND COMMUNICATION INTERRUPTION

Solve the uncontrollability of ship network assets risk under complicated network environment and improve

### COMPLIANCE AUTOMATION

Simplified, standardized and automatic cyber security audit report, in compliance with IMO 2021 standard

