



MATRA

DIGITAL MARITIME SOLUTIONS





MATRA is cutting-edge Digital Maritime Solutions, designed to revolutionize the maritime landscape by enhancing security measures, promoting safety protocols, optimizing operational efficiency, and fortifying overall protection within this dynamic and ever-evolving domain.

Through our state-of-the-art technological advancements and expertise, we strive to deliver comprehensive solutions that address the multifaceted challenges faced by the maritime industry, ensuring a robust and secure environment for maritime stakeholders, vessels, and coastal regions.

With its advanced offerings, **MATRA** enables the seamless gathering, integration, sharing, visualization, and examination of marine information electronically, both onboard and ashore. This empowers comprehensive navigation from berth to berth, ensures vessel safety, strengthens maritime and coastal security, and safeguards the marine environment.

MATRA's versatile products can be customized and implemented to cater to the requirements of any maritime awareness mission.





MATRA VTS (Vessel Traffic Services)

With its high technology capabilities, **MATRA VTS** is dedicated to enabling safer and more efficient vessel navigation, in line with IALA standards.

MATRA VTS ensures secure navigation from port to port across diverse waterways, straits, and canals while prioritizing environmental sustainability.

Through comprehensive vessel traffic monitoring and management, **MATRA VTS** promotes fast and safe voyages.

Maritime Traffic Management

Area & Alarm Management

Record & Replay

Voyage Planning

Risk Analysis & Decision Support

Track Management

Route Optimization

Instant & Continuous Reporting

Traffic Density Analysis

Home
Assets
Alerts
Reports
Planning
Tools
System Config
System Admin
System Control
Settings
Helpdesk

Asset Status Monitoring

Unavailable: 0 Degrated: 2 Available: 44

Asset	ASG	Water	VHF-1	VHF-2	VHF-3	EGS	GPS	Other
V1M	●	●	●	●	●	●	●	●
VEY	●	●	●	●	●	●	●	●
VEY	●	●	●	●	●	●	●	●
V1M	●	●	●	●	●	●	●	●
VEY	●	●	●	●	●	●	●	●
V1M	●	●	●	●	●	●	●	●
VEY	●	●	●	●	●	●	●	●

Active Notifications

ID	Severity	Details	Priority	Date
V1M	Warning	Fuel tank sensor in B compartment is disabled	MAJOR	01.05.2023 10:58:45
V1M	Warning	No Radio Message From V1M	CRITICAL	01.05.2023 11:00:26
V1M	Warning	Radar video processing connection not ok	CRITICAL	01.05.2023 11:20:15

Asset Details: GEMRAD

Asset ID: GEMRAD | Status: Available

Parameter	Value
Power Source	12V
Power Source Voltage	12.0V
Power Consumption	0.5A
Temperature	25.0°C
Humidity	50%
Pressure	1013 hPa

Asset Details: METEO

Asset ID: METEO | Status: Available

All Temperature Sensors for 1 Minutes

Sensor ID	Temperature (°C)
S1	25.0
S2	25.0
S3	25.0
S4	25.0
S5	25.0

Relative Humidity for 1 Minutes

95%

Asset List

Asset ID	Asset Name	Call Sign	IMO No	MMSI No	Track Status
309602023_10_57_48	CHINAZ KAP/TAH	TCAA011	77104000	0715 (MMSI) 77 104000	0715 (MMSI) 77 104000
309602023_10_57_16	ARAKAKA/BA	0W472	960204	96310000	0715 (MMSI) 96 310000
309602023_10_58_29	ARTIKOS	VYLA7	917006	30900047	0715 (MMSI) 71 30900047
309602023_10_58_52	HABES	HF0201	311541	31143000	0715 (MMSI) 31 143000
309602023_10_58_52	RTA CAJAS	TC3508	963199	77107104	0715 (MMSI) 77 107104
309602023_10_58_13	IRVING/DES 03	TC4004	790166	11100000	0715 (MMSI) 11 100000
309602023_10_58_56	CARMA	8-071	080070	08007000	0715 (MMSI) 71 080070
309602023_10_58_49	MELBA/ (R) 11	TC280	917000	77100000	0715 (MMSI) 77 100000
309602023_10_58_17	MELBA/ 00.0 J	TC041	017001	77100000	0715 (MMSI) 77 100000
309602023_10_58_16	ENAP	19915	900000	00000000	0715 (MMSI) 00 000000
309602023_10_58_16	MARIMBA F10	TC4146	910006	77100000	0715 (MMSI) 77 100000
309602023_10_58_16	KARIMAWA V10	18103	967001	08000000	0715 (MMSI) 71 080000
309602023_10_58_16	L180718 C	DG0001	047100	02001000	0715 (MMSI) 71 020010

301 Worksheet

Status	ID	SP No	VTS No	Reporting Date	Ship Name	IMO No	MMSI	Remarks
●	Cancelled	20047	124014	01.05.2023 12:45	SEABLA SEABLA/5	9104100	27100017	
●	Cancelled	20050	124046	01.05.2023 13:11	L180718 L180718	0100790	70000000	
●	Cancelled	20050	124050	01.05.2023 13:36	NETVA ETAC/10	1000000	27100000	
●	Cancelled	20054	124018	01.05.2023 12:20	ARMA ARMA	0100007	27100000	

MATRA CSS (Coastal Surveillance System)

With a powerful sensor combination, **MATRA CSS** strives to deliver comprehensive situational awareness, specifically the Recognized Maritime Picture, for coastal and territorial waters.

Tailored to enhance law enforcement activities, **MATRA CSS** is designed to boost effectiveness in maintaining maritime security.

MATRA CSS facilitates data sharing with other public institutions, enabling an efficient response to against smuggling, human trafficking, maritime pollution, illegal immigration, and illegal fishing.

Coastal Surveillance

Incident Management

Instant & Continuous Reporting

Mission Management

Area & Alarm Management

Record & Replay

Unit Management

Risk Analysis & Decision Support

Track Management



MATRA SAR (Search and Rescue)

MATRA SAR serves as a reliable response decision support system utilized in Search and Rescue scenarios, providing invaluable assistance.

Harnessing the power of the latest generation of information technology, **MATRA SAR** stands at the forefront of advancements in Search and Rescue operations.

By seamlessly integrating Search Area Determination and Search Area Coverage, **MATRA SAR** ensures compatibility with IAMSAR procedures, enhancing efficiency and effectiveness in critical rescue missions.

Search and Rescue Activity
Management

Mission Management

Area & Alarm Management

Search Area Determination

Unit Management

Risk Analysis & Decision Support

Search Area Coverage Tools

Incident Management

Instant & Continuous Reporting

Record & Replay

WORKSPACE VIEW DEVTOOLS Charts Tracks Ship Search and Rescue Alarm Settings System Notification Debug

WINDOWS TOOLS Planning

Planning



PATTERN MODIFICATION

ROUTE FOR SHIP(S) RECOMMENDED PATTERN

SAR 000 PARALLEL_TRACK

INITIAL LEG COURSE (DEG) 60
 SEARCH LEG LENGTH (NM) 5
 NUMBER OF LEGS 9

SEARCH SPEED (KNOT) 14
 TRACE SPACE (NM) 1
 FIRST TURN StarBoard



PATTERN MODIFICATION

ROUTE FOR SHIP(S) RECOMMENDED PATTERN

SAR 33 EXPANDING_SQUARE

INITIAL LEG COURSE (DEG) 60
 SEARCH LEG LENGTH (NM) 5
 NUMBER OF LEGS 14

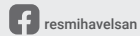
SEARCH SPEED (KNOT) 14
 TRACE SPACE (NM) 1
 FIRST TURN StarBoard

< BACK 3 / 3 SAVE

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