

MENAS MARITIME SERVICES IN THE REGION

Middle East Navigation Aids Service (MENAS) Operations Centre - based in Bahrain - operates 24/7 serving the Arabian Gulf. MENAS is responsible for the following vital maritime Services in the region:

- ➔ International Aids to Navigation
- ➔ DGPS Network Service
- ➔ NAVTEX Service via Bahrain Radio (A9M)
- ➔ Gulf Notices to Mariners
- ➔ Commercial Marine Engineering Services
- ➔ AtoNs Training
- ➔ MARINE Consultation
- ➔ AtoN risk Assessment & Risk Mitigation for Gulf region
- ➔ AtoN remote monitoring through satellites & AIS systems



MENAS HISTORY

For over 100 years:

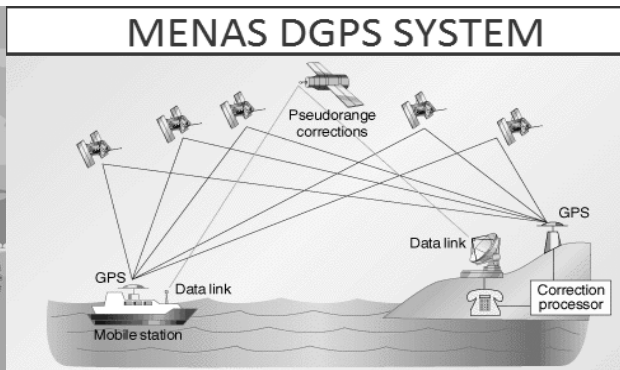
- MENAS has played a major role in the safety of shipping in the Arabian Gulf.
- A unique Aids to Navigation organisation with history dating back to 1911. Restructured in 1950 & has existed unchanged since in the region.
- It is the Gulf region's leading innovator in the development, fabrication, supply and maintenance of Aids to Navigation (AtoN).
- Operating from its main base in Bahrain since 1950 and a support base in Abu Dhabi since 2011.
- Servicing & assisting all mariners from large commercial shipping to small craft vessels within the region.
- Acts in role of NAVAREA IX Acting Sub-Area Coordinator for Navigation Warnings (NAVTEX) within the Arabian Gulf. Carries this out on behalf of the Government of Bahrain since 1976.
- Associate member of IALA/AISM & Contractor member of IMCA. Active links with MARLO, MTO, UKHO and other hydrographic offices worldwide.



INTERNATIONAL ATON, DGPS & REMOTE MONITORING SERVICE

MENAS maintain extensive network of lighthouses, beacons and buoys outside the ports limits or within the approaches of harbour area. MENAS Services include:-

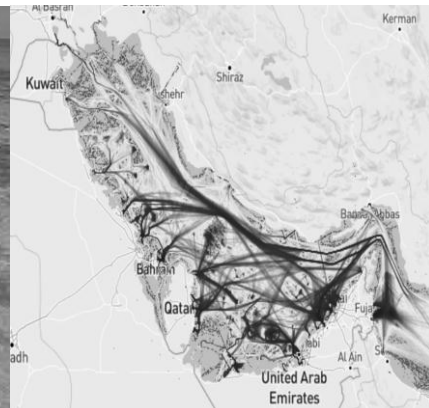
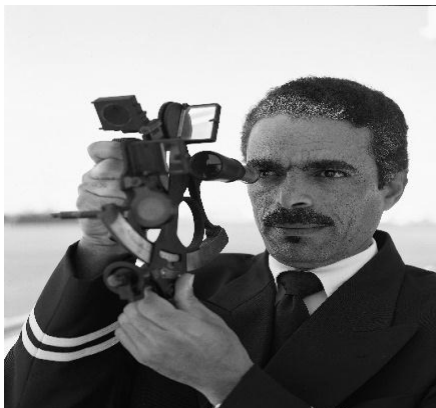
- The ownership, upkeep and maintenance of more than 133 AtoNs in the Arabian Gulf region.
- Maintenance of more than 155 AtoNs owned by governmental and other authorities/companies within the Gulf.
- Since 1997, MENAS established, maintains and continues to operate a 4 universally free-to-air (DGPS) sites for the region.
- All MENAS AtoNs operating through MENAS local Base in Bahrain & Abu Dhabi base;
- All being remotely controlled & monitored 24/7 since using the latest modern technology of Vega satellite system & AIS base stations;



NAVPLAN & RISK MITIGATION SERVICE

MENAS provides an individual AtoN risk assessments for each Gulf area of activity undertaken, NAVPLAN covers;

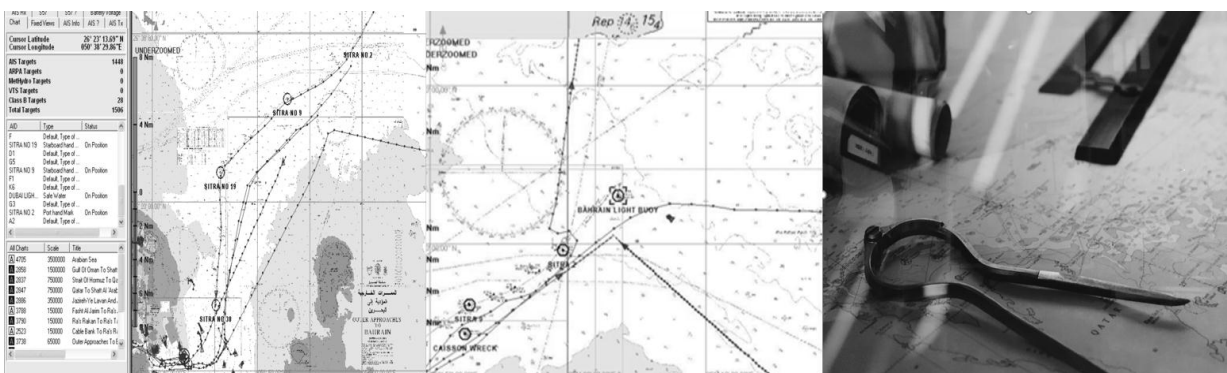
- MENAS AtoNs are grouped into 19 zones;
- They determined through usage factors such as whether they provide mariners guidance in a specific area; or whether they mark an isolated or specific danger
- MENAS used the principle that the failure of a single AtoN unit would not significantly increase the risk to safe navigation in the Gulf.
- For each zone, a Level of Service statement (LOS) has been developed together with an Operational Performance Statement (OPS).
- The combination of LOS and (OPS) provide a commitment by MENAS to all mariners navigating in the Arabian Gulf.



NOTICES TO MARINERS (NTM) & NAVTEX SERVICE

MENAS maintains:

- Appointment on behalf of Bahrain Gvt as Acting Sub-Area Co-ordinator of the IMO Global Navigation Area IX (NAVAREA IX) for the whole Gulf region since in 1976.
- MENAS has a long history of co-operation with (UKHO) since 1976 and has established a bilateral cooperation agreement.
- MENAS provides; (NAVTEX & NTM), nature received from governmental nautical authorities,
- MENAS provides a Monthly Summary of Notices to Mariners which ensures dissemination of information to all major hydrographical offices worldwide.
- MENAS, through its role as Acting NAVTEX Co-ordinator, has a direct operational link with maritime community within the Gulf region.



THANK YOU

MENAS MARITIME OPERATIONS CENTRE NAVAREA IX Acting Sub-Area Co-ordinator

Acting General Manager or Deputy Navigation Services
Manager
MENAS Maritime Operations Centre
Middle East Navigation Aids Service
PO Box 66, Manama
Kingdom of Bahrain

Email: info@menas.com.bh

Direct: +973 17 828551 or +973 17 828550
Mobile: +973 39628541
Fax: +973 17 727765

All MENAS service users are requested to pass on valid navigational hazard information using comms methods above. MENAS is committed to maritime safety in the region and MENAS support the standards of marine operations recommended by IMCA, the International Marine Contractors Association. As part of our process of continual improvement of services to the maritime community, we are continually amending / updating our mailing lists. Please reply to this mail address should you require any additional email addresses added to the direct NAVTEX and/or Gulf Notices to Mariners circulation lists.

Please also find latest navigational situation information at www.menas.org. By being on the MENAS Maritime Operations Centre mailing lists, you will receive maritime safety information, in real time, as it arrives. MENAS publish a regular summary of 'in-force' NAVTEX warnings being transmitted by A9M, Bahrain.