Malaysia e-Navigation
The Way Forward

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e-Navigation
National e-Navigation goals
National e-Navigation

Malaysia is committed to embark on a local Vendor Development Program (VDP) to commence national eNavigation in 2017 to be in line with IMO direction.
Malaysia government has pledged a total of USD 50 million to support a 10 years Vendor Development Program between 2017 to 2027 to support technological R&D and to upgrade and improve infrastructure and supporting systems.
Compressive AIS / VTS network in Malaysia

GNSS provides timing and positioning

Low Earth Orbiting AIS Equipped Satellite (AIS SAT)

Data Storage Centre

Network Node

Land Earth Station

W-AIS (STANAG) Encrypted

VTS Coverage Area

Internet, and other networks or portals

Port Coverage Area

AIS Class B

Shipboard Class A
AIS used for collision avoidance and navigation safety

Chained AIS AtoN

AIS SAR Aircraft

AIS AtoN

AIS

Vessel Traffic Center

Port Authority

Commercial Service

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AIS Base Station

Coastal Coverage Area

Image courtesy greenfinder.asia
National e-Navigation goals

- Technological R&D
- Upgrades and improvement of infrastructure and supporting systems
National e-Navigation R&D

e-Navigation web based software, electronic AtoN products, Marine Electronic Highway (MEH) and Maritime Data Support Center (MDSC) will be developed under local Vendor Development Program to further enhance Safety Of Navigation and security at sea and protection of marine environment with Malaysia Marine Department.
National e-Navigation Infrastructure And Supporting Systems

- eNavNet
- MEH
- Maritime Data Support Center (MDSC)
- MyGloMeep
- MMDIS – Single Window
- VTS Centers
- JLM 1Network
Conclusion

The Malaysia E-Navigation will be in line with IMO direction and standard. It will increase maritime safety and security, create employment and foster new market development.
THANK YOU!

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