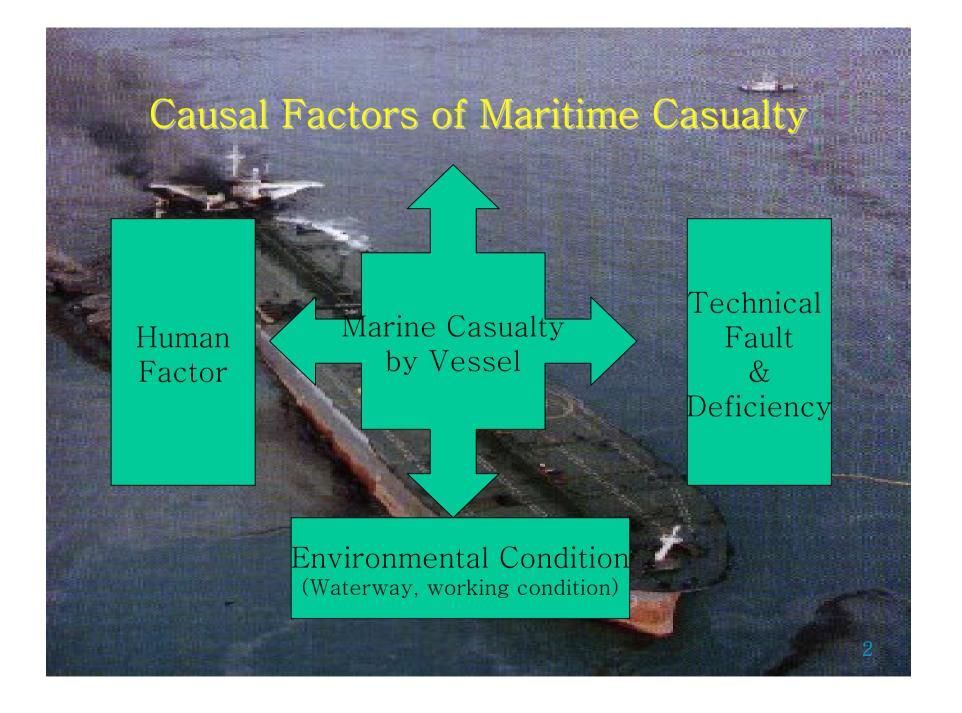
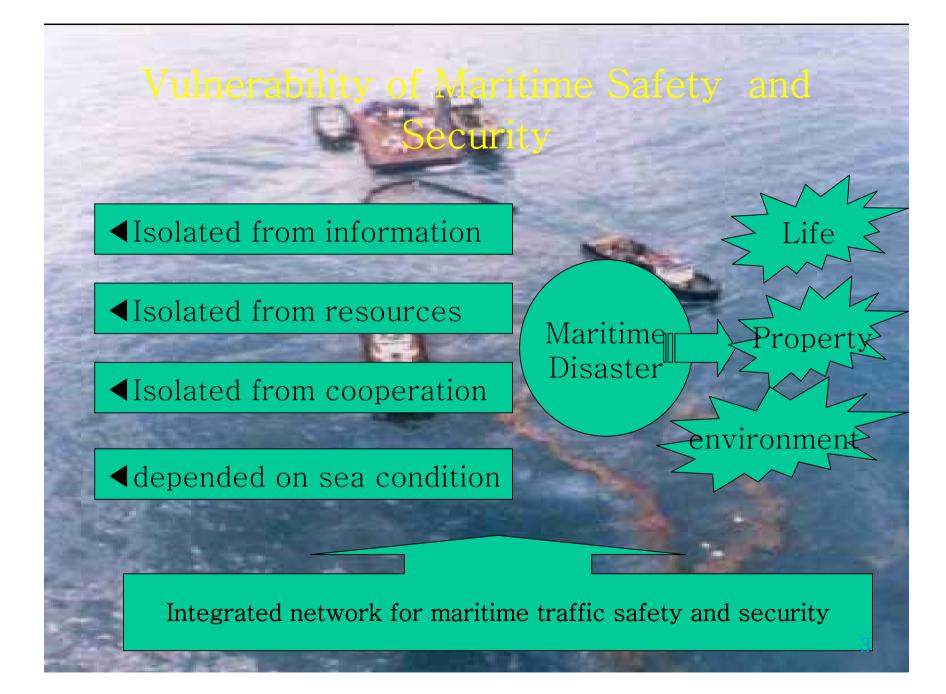
Information Network for Maritime Traffic Safety and Security

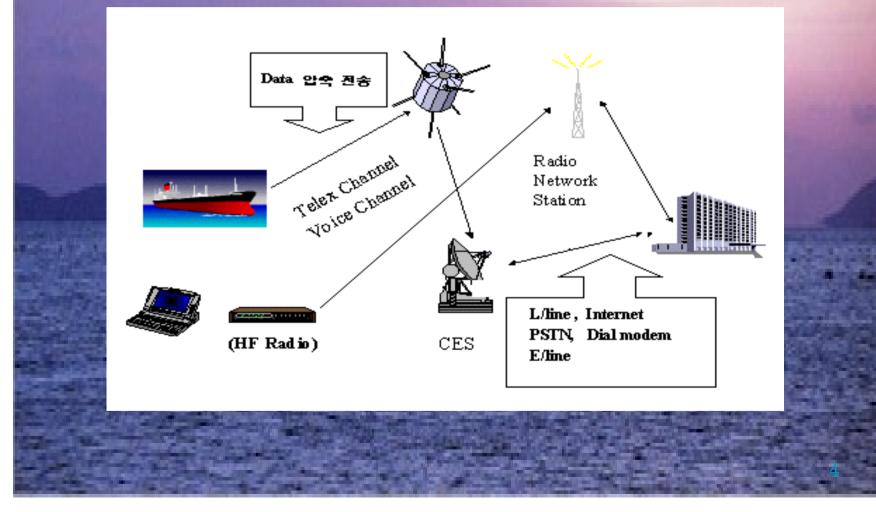
Eun Bang LEE Professor Korea Maritime University

eunbang@hhu.ac.kr

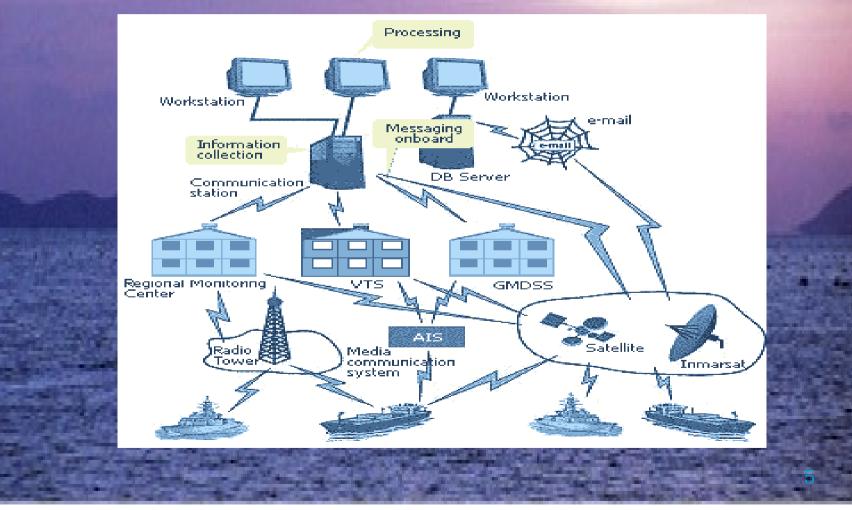




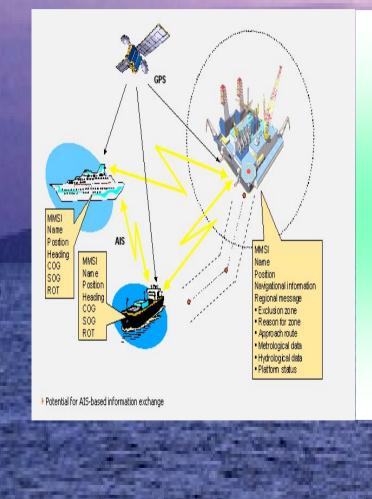
Information Infrastructure for ship

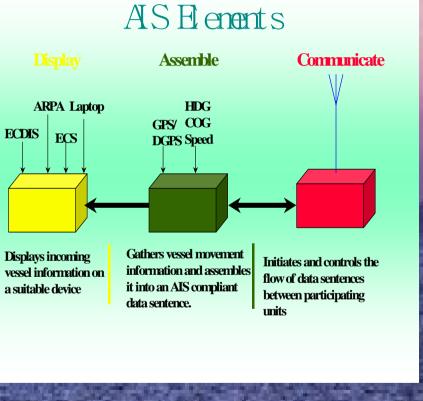


Ship Monitoring System



Automatic Identification System



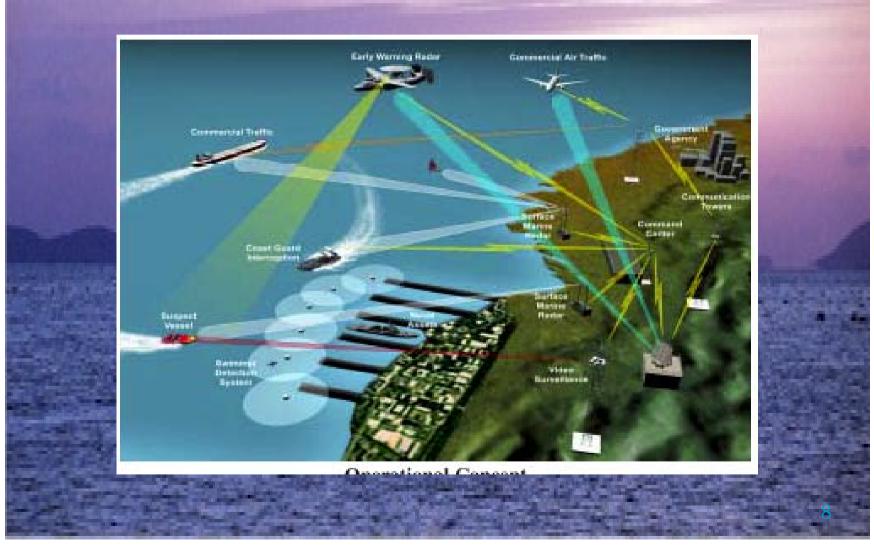


Ship To Ship AIS

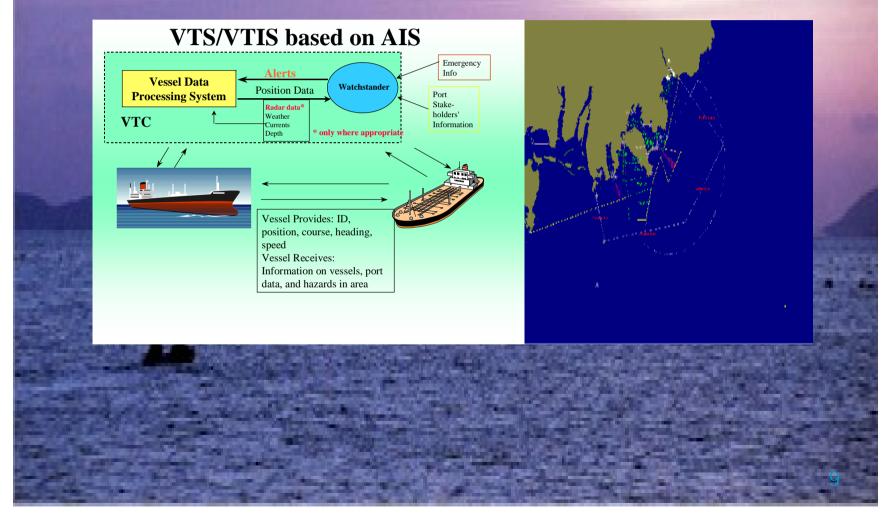


- Raises safety across the board
- Most desired feature
- Provides situational presentation on bridge
- Technology exists
- Product evolving

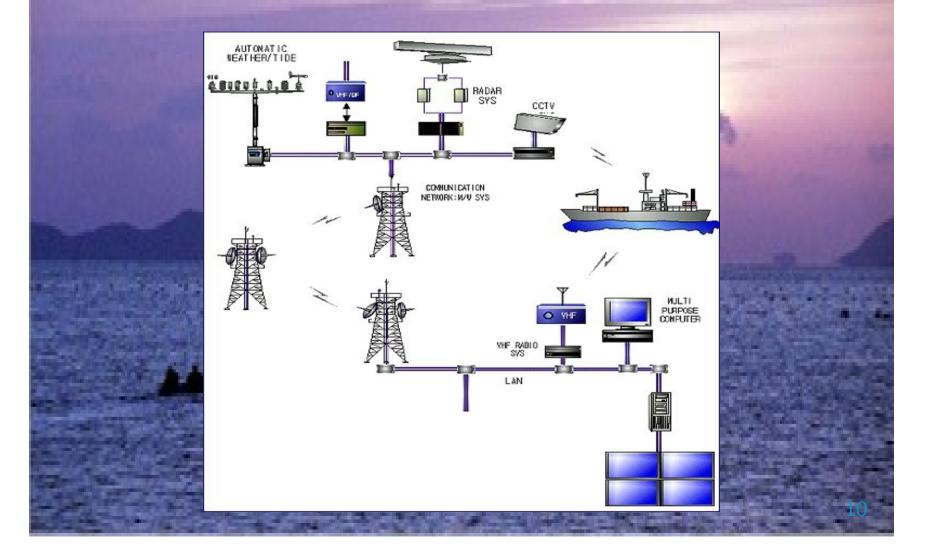
Maritime Security System

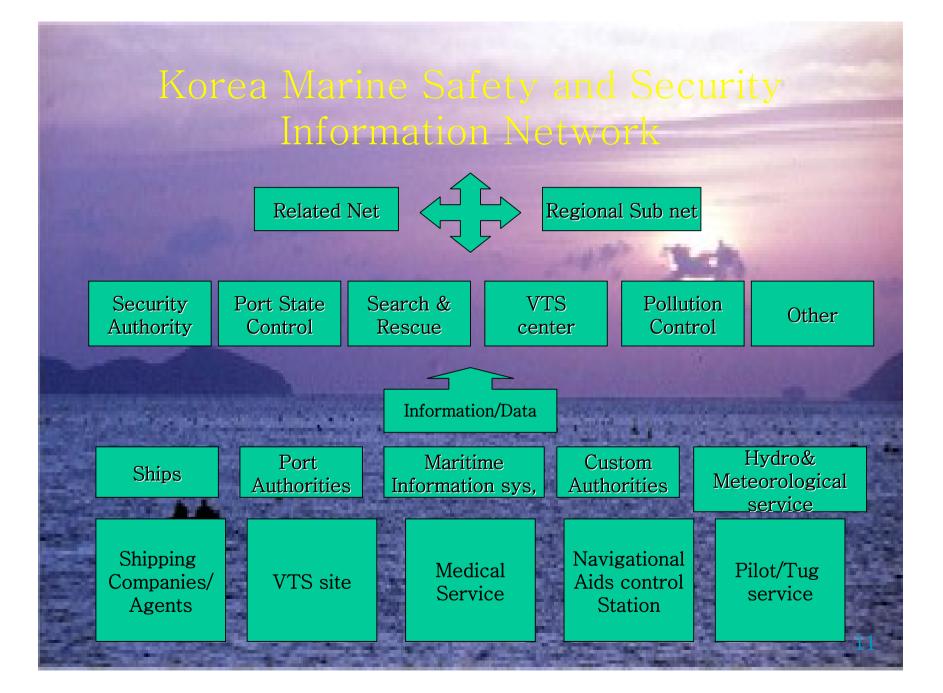


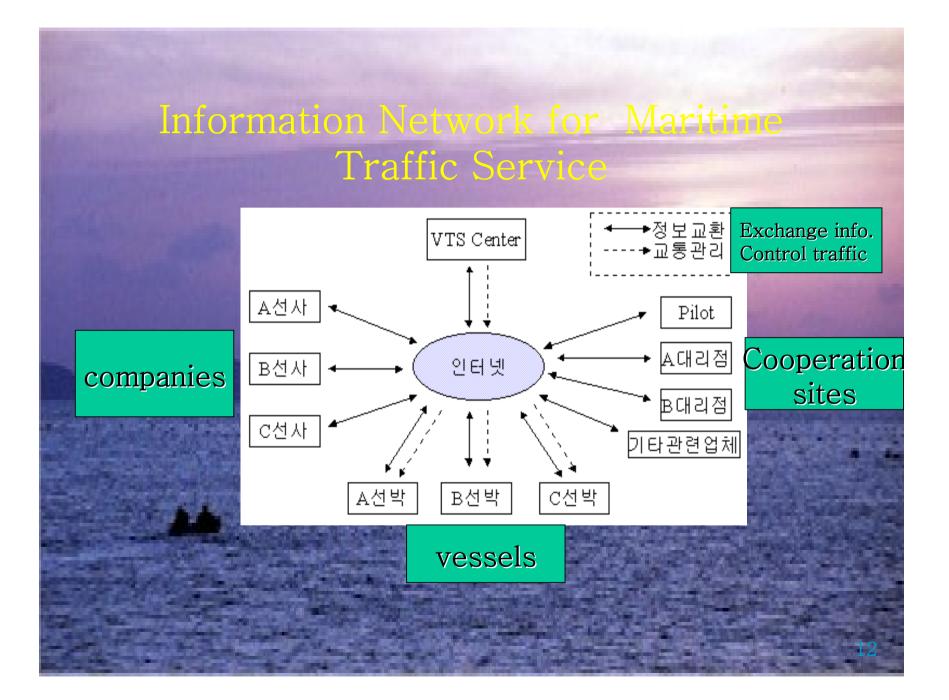
Vessel Traffic Service



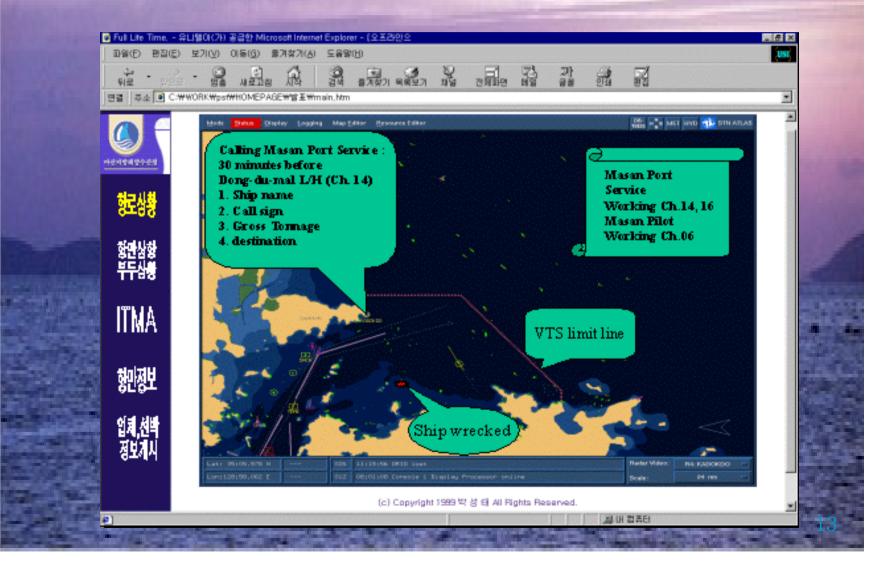
Vessel Traffic System



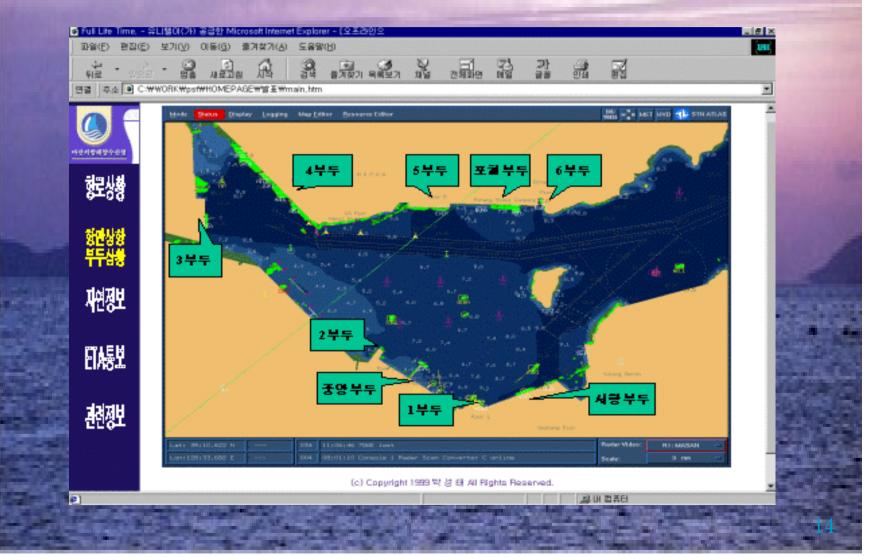




Waterway Service for Entering Port

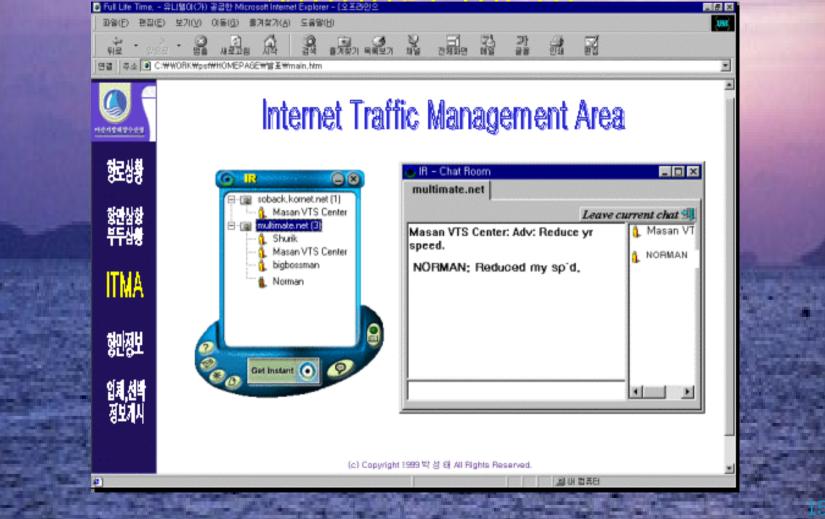


Visualized data for berths in real-time

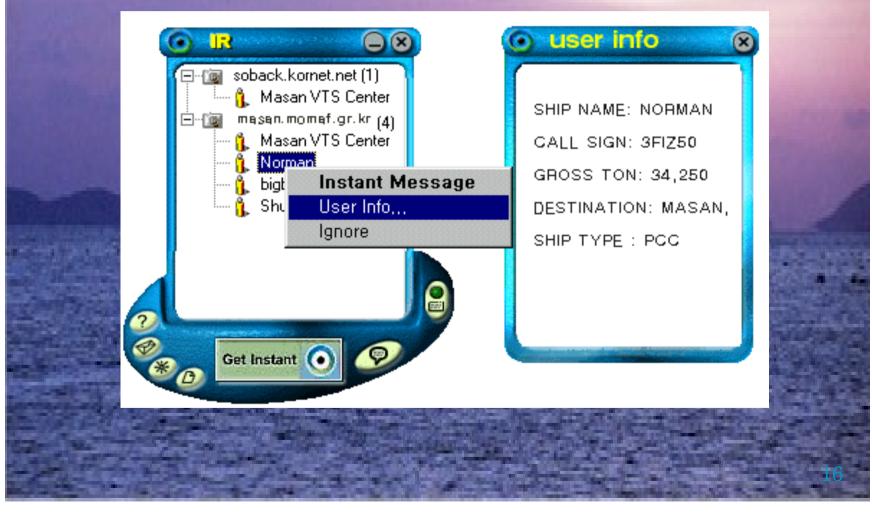


Internet Traffic

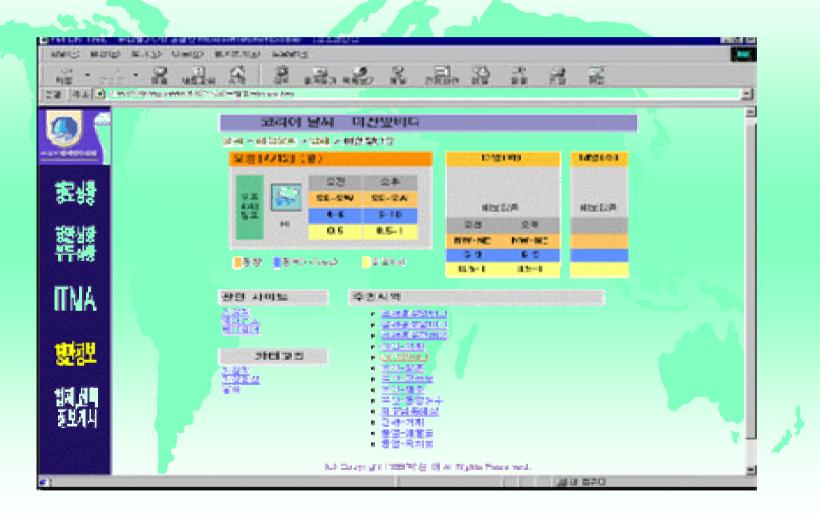
anagement



Exchange of information between ship and shore(ship)



Weather and Sea Condition



Conclusion

- Designed integrated maritime safety and security information network to reduce risk of maritime casualty.
- Developed internet traffic management system to enhance safety of vessel around seaport.
 Proposed information site for maritime traffic service.

The study will be carried out in order to provide information to prevent maritime casualty for small ships which are not equipped with advanced communication system