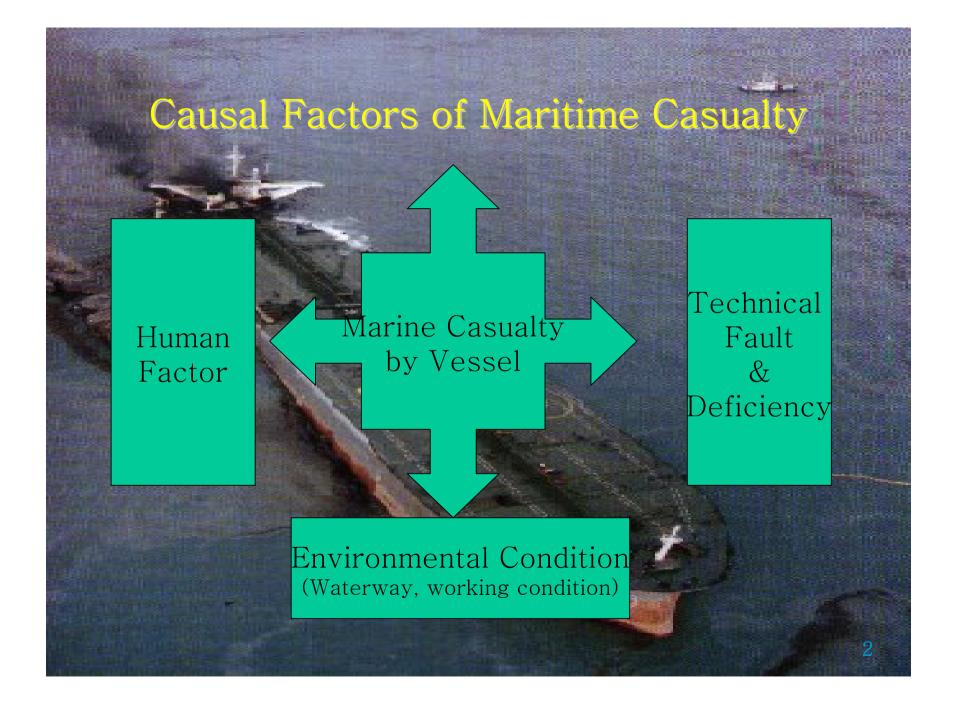
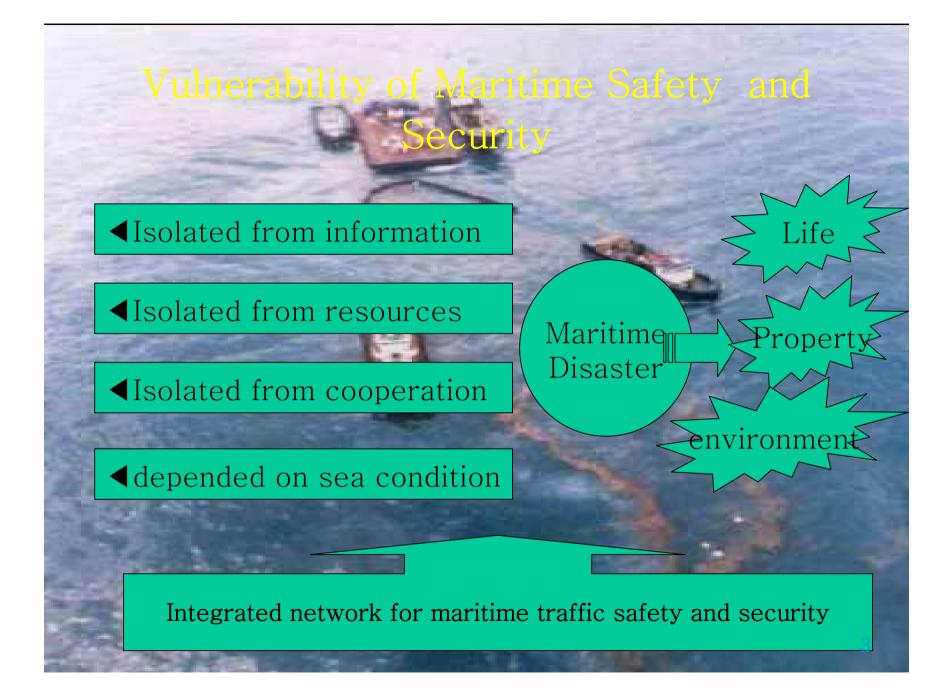
# Information Network for Maritime Traffic Safety and Security

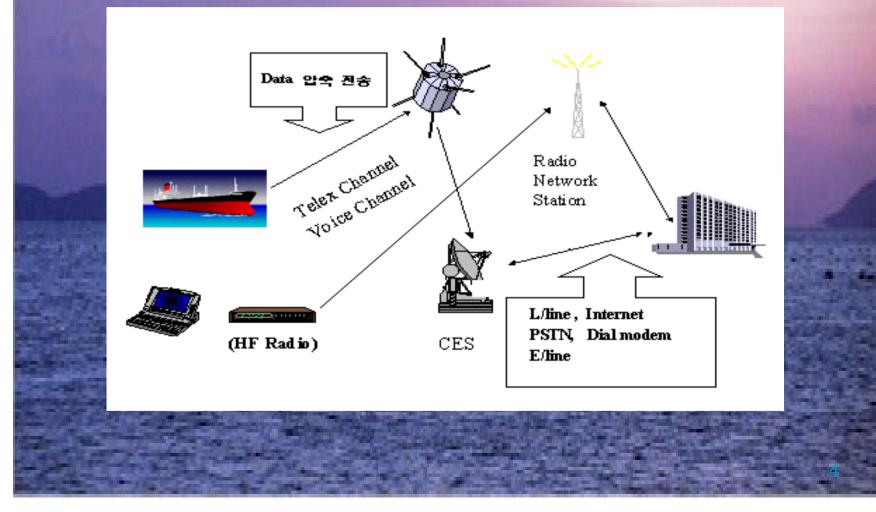
## Eun Bang LEE Professor Korea Maritime University

eunbang@hhu.ac.kr

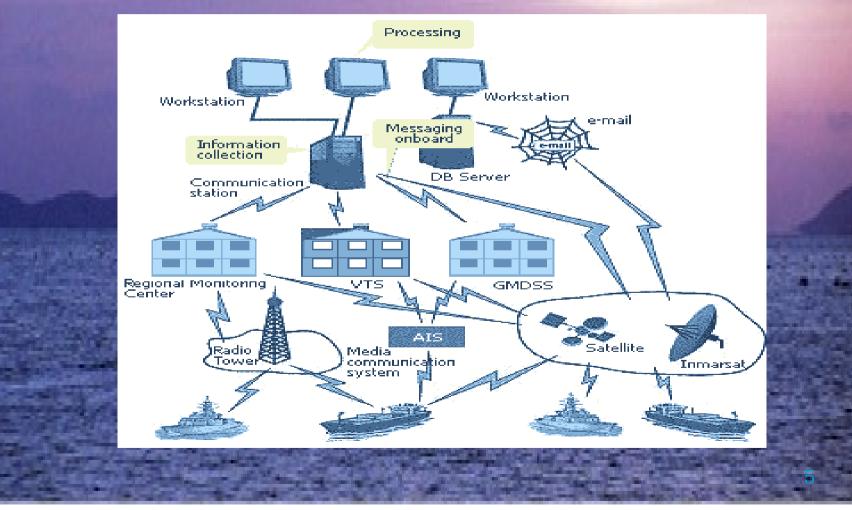




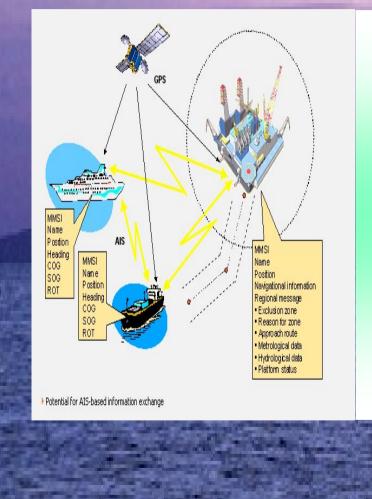
#### Information Infrastructure for ship

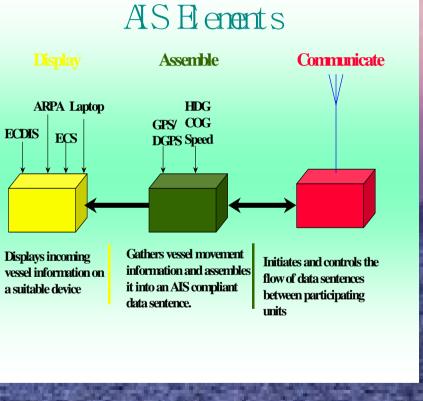


## Ship Monitoring System



#### Automatic Identification System



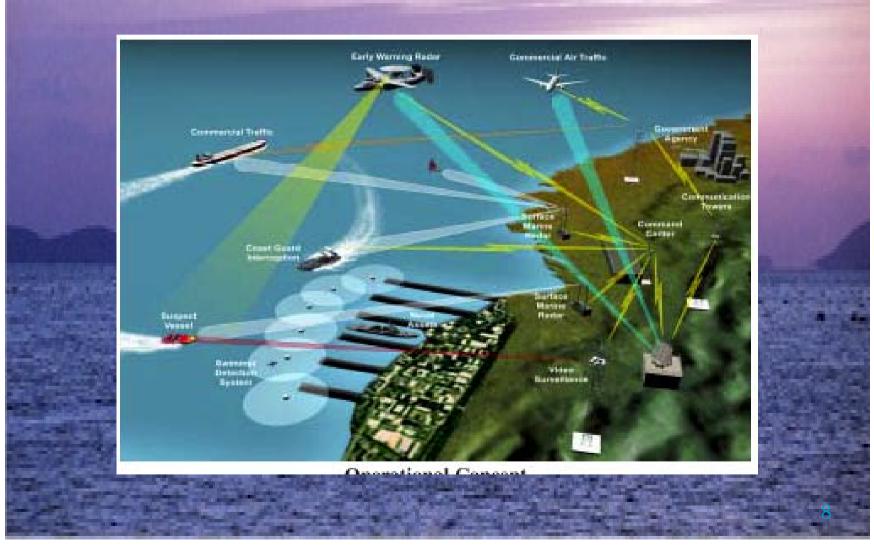


## Ship To Ship AIS

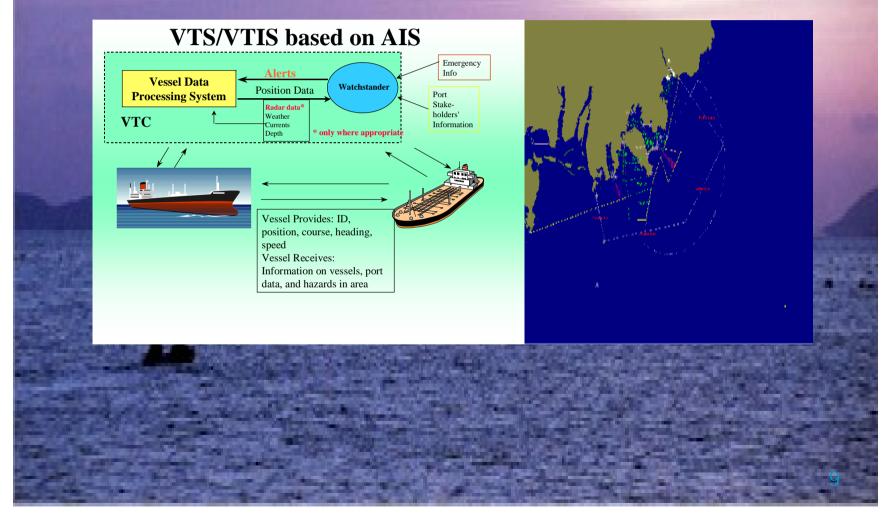


- Raises safety across the board
- Most desired feature
- Provides situational presentation on bridge
- Technology exists
- Product evolving

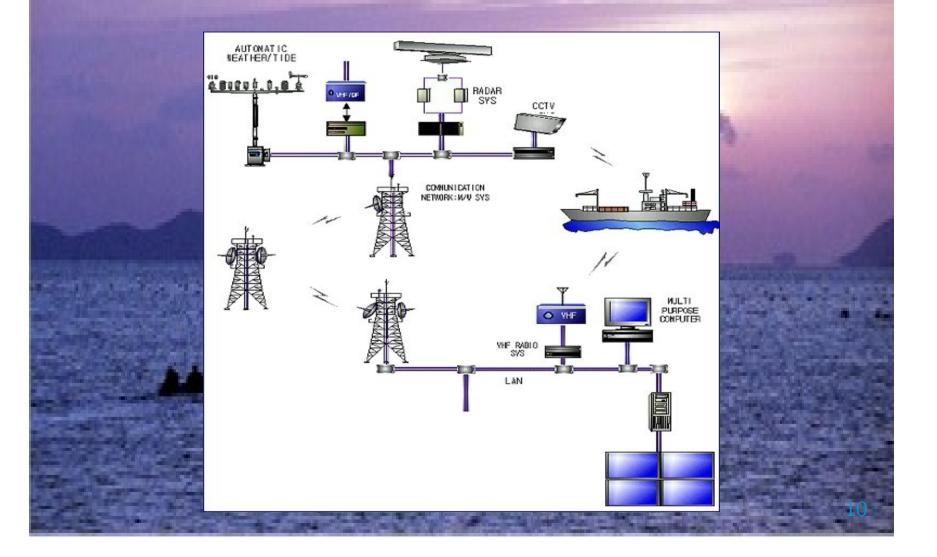
## Maritime Security System

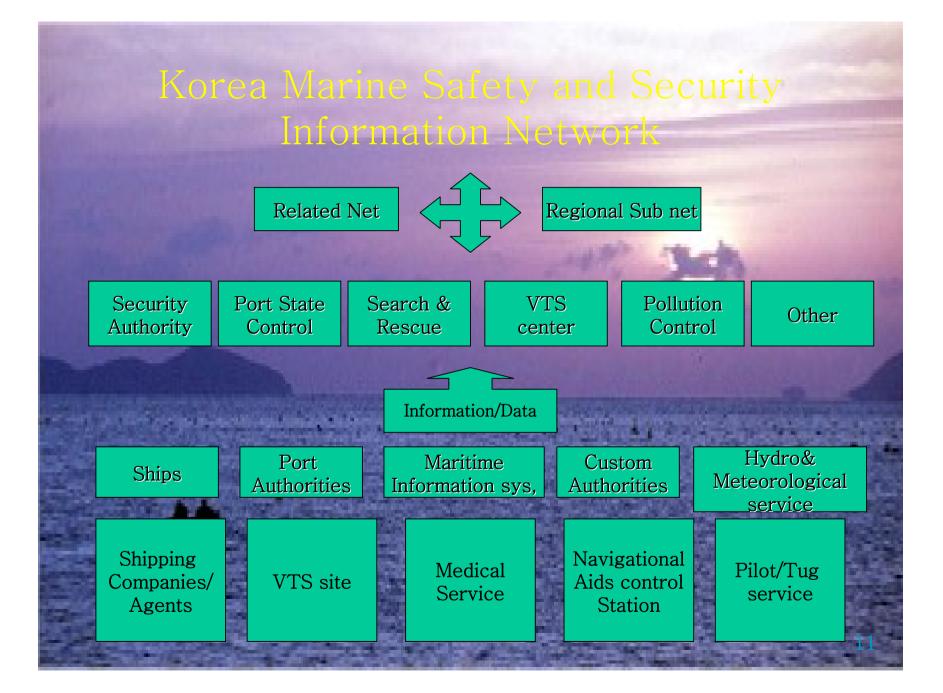


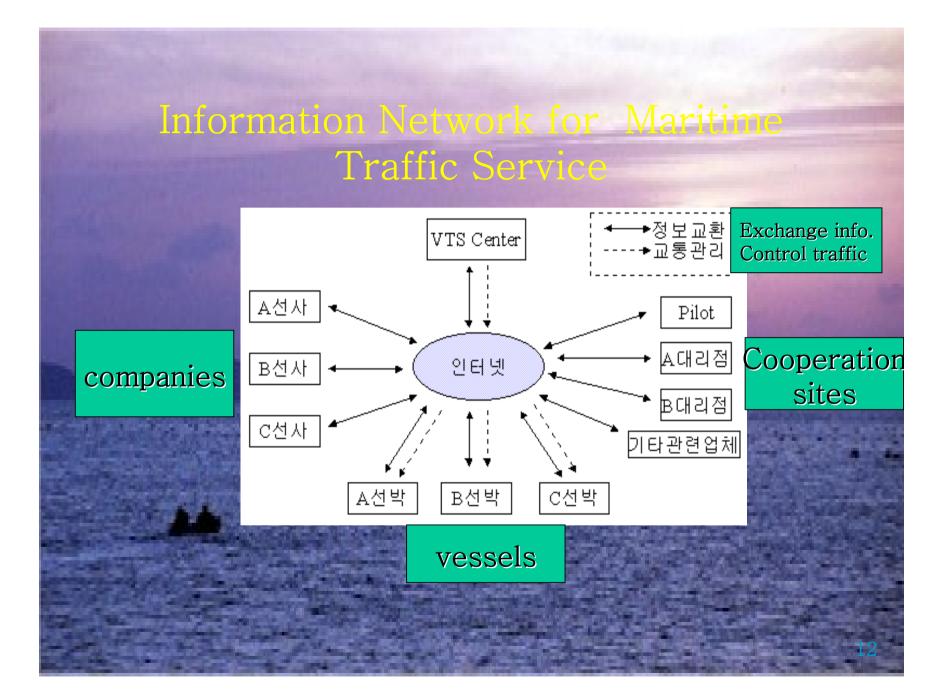
# Vessel Traffic Service



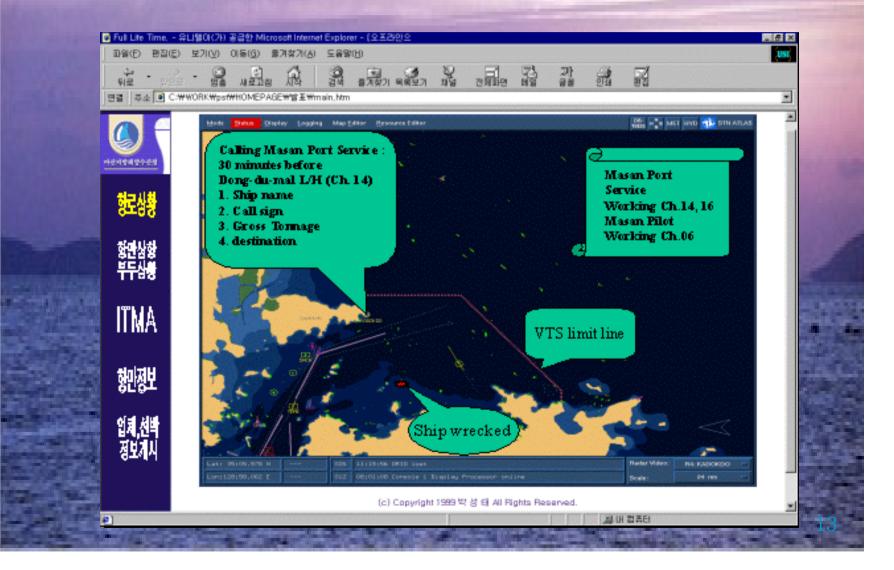
# Vessel Traffic System



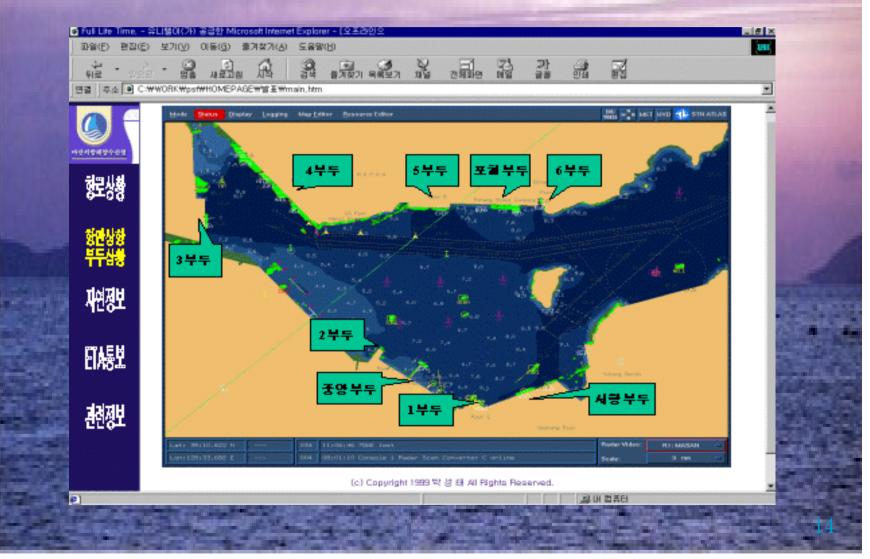




### Waterway Service for Entering Port

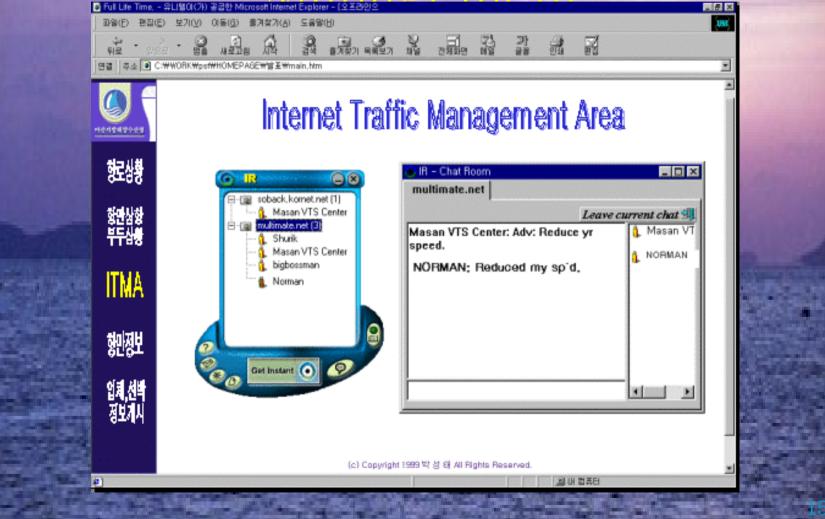


#### Visualized data for berths in real-time

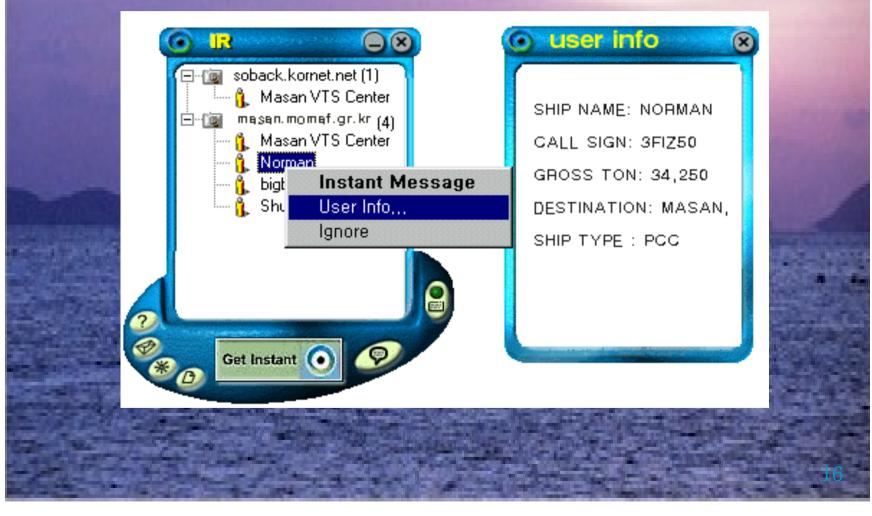


# Internet Traffic

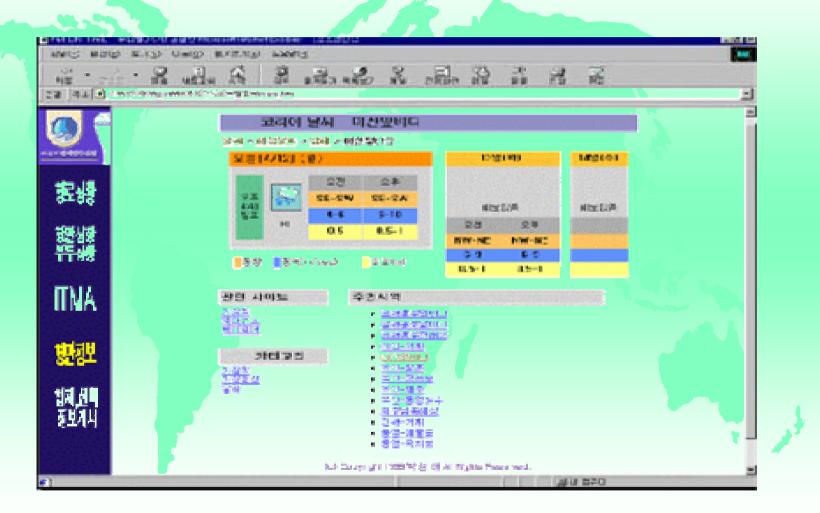
#### anagement



# 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