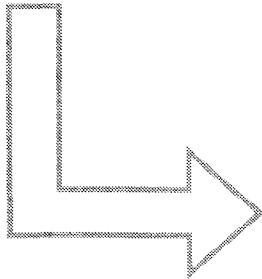




## Main Concerns in Bridge Design for DAT

### **DESIGN COMMITMENT**

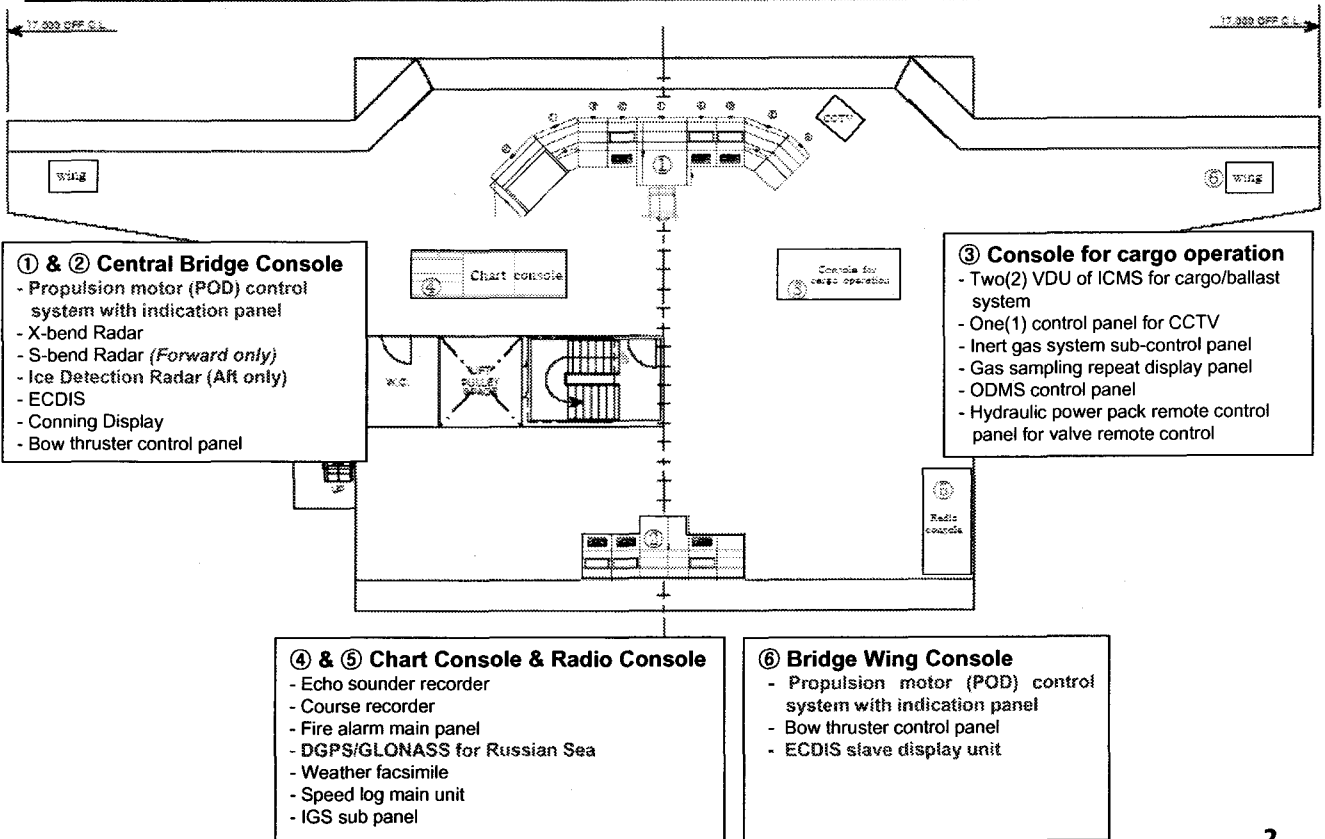
1. To Guarantee Maximum Operability in bi-directional navigation.
2. To Guarantee Extremely low temperature operation
3. To Guarantee Safe Operation in Arctic Sea
4. To Guarantee Superb Maneuverability



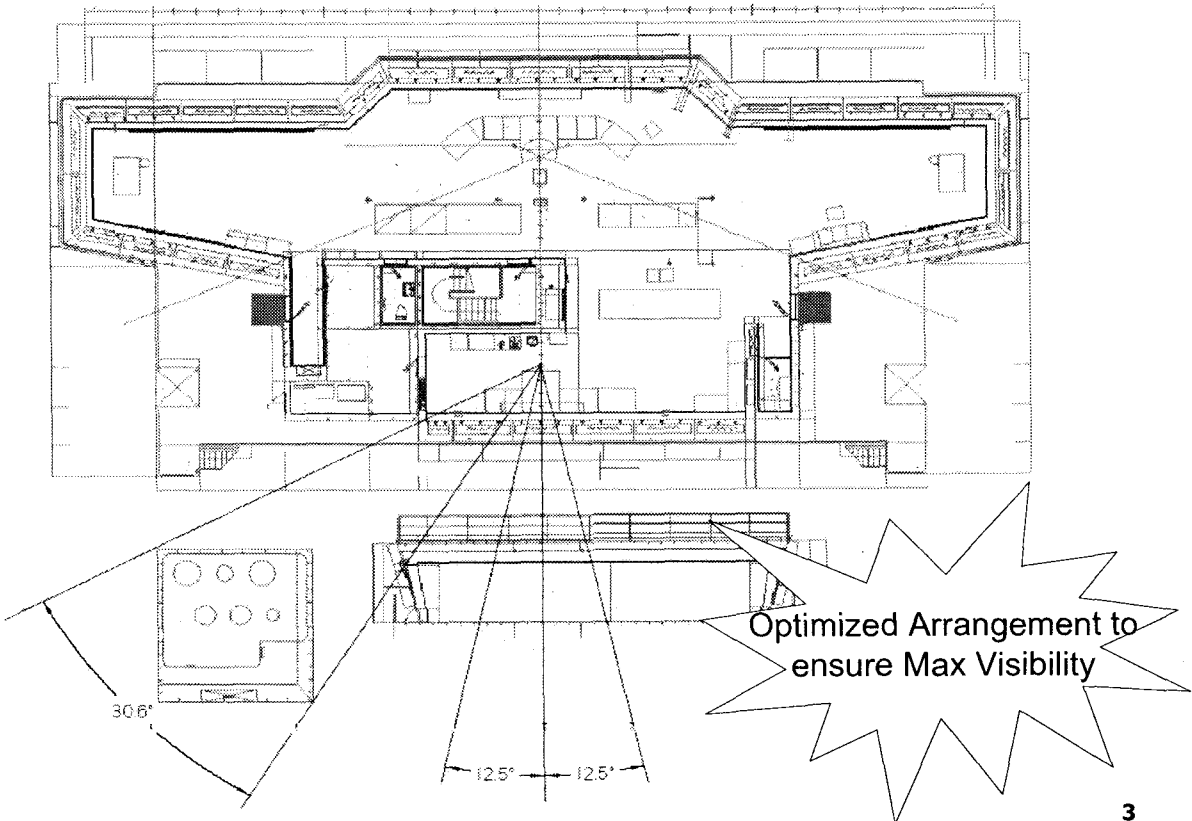
### **IMPLEMENTATION IN DESIGN**

1. **Ideal Bridge Arrangement for Bi-directional Ice Navigation.**
  - 1-1 Dual Center Bridge Console Configuration for Fwd and Aft.
  - 1-2 System arrangement to give maximum visibility (Funnel, Window, Consoles)
2. **Fully winterized equipment and system**
  - 2-1 All antennas in heating dome
  - 2-2 Omni directional winterized window
3. **ICE Navigation Aids**
  - 3-1 Iceberg Surveillance Radar
  - 3-2 Ice Search Light
4. **Symmetric control**
  - 4-1 Twin POD propulsion
  - 4-2 Auto-pilot synchronized POD angle control

# Bridge Console Layout



# Maximum Visibility for Aft Navigation



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