

## Isolation system for platform of submarines

The requirements for an isolation system of platform generally include :

- a. isolation of vibrations
- b. isolation of shock / survivability
- c. acoustic silence

The particular specifications may be :

1. long displacement for an optimal response to shock
2. a relatively low natural frequency to isolate the vibrations, even under high frequencies input
3. an acoustic attenuation at high frequencies
4. high damping under shock, low damping for acoustics and vibration control
5. a high static capacity due to mass of the equipment
6. minimum change of the dynamic stiffness

