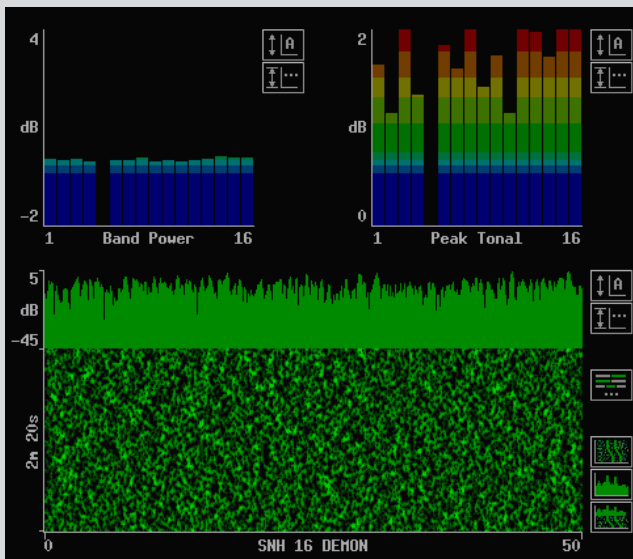




Circe Submarine Self Noise Monitoring System



Circe is an easy use, accurate system that is designed to monitor and record real-time acoustic data from the Self Noise Hydrophones.

Circe can be correlated with machinery status information and navigation data harvested from the sonar network to:

- Continuously monitor the own-ship self noise signature while at sea
- Immediately detect and therefore reduce the duration and impact of unexpected own ship noise
- Localise own ship noise sources such as:
 - A cavitating propeller
 - Noisy machinery operating within the submarine
 - Any loose or unsecured items
 - External to the pressure hull
 - An object fouling the hull
 - Flow related noise resonances
- Provide the long term noise trend of the machinery through regular and consistent monitoring
- Allow collection of signatures for comparison across the class platforms and over time

Capabilities

- Easy to operate
- Monitor individual machinery state
- Record data for further analysis
- Set and monitor the vessels self noise baseline

... a sound decision

