

## HIGH PERFORMING UNDERWATER NOISE MITIGATION



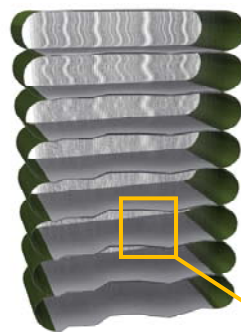
### System Characteristics

- Proven **25dB SEL** and **35dB peak pressure** noise reduction across the barrier
- No installation vessel downtime – can be off critical path
- Minimal deck space or payload requirement
- Adaptable to variable water depth and pile diameter
- Configured to suit project specifics
- Safe and inexpensive
- Compact and lightweight - can be air freighted
- Can be incorporated into piling template or gripper arm
- Deployable in harsh offshore marine conditions



12m Trial Prototype

### How It Works



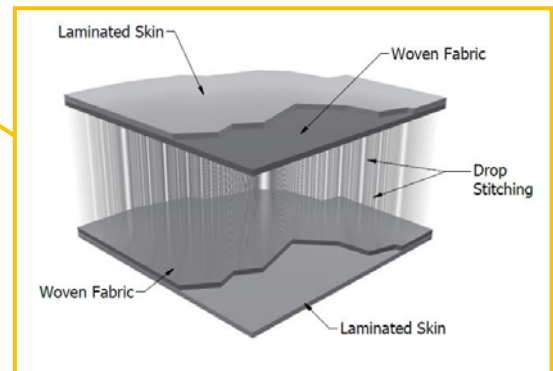
Inflated



1/2 Inflated



Deflated

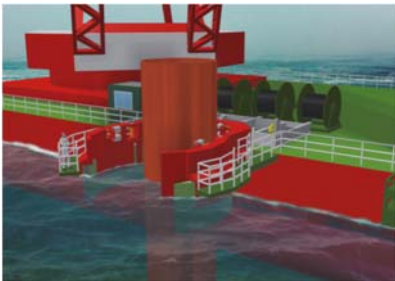


# HYDRONAS™

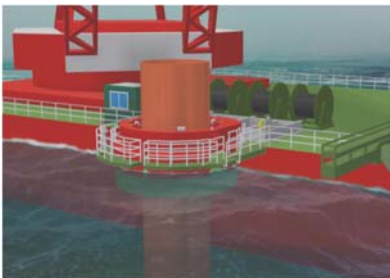
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### Bellows Within Pile Gripper Arm



System Open

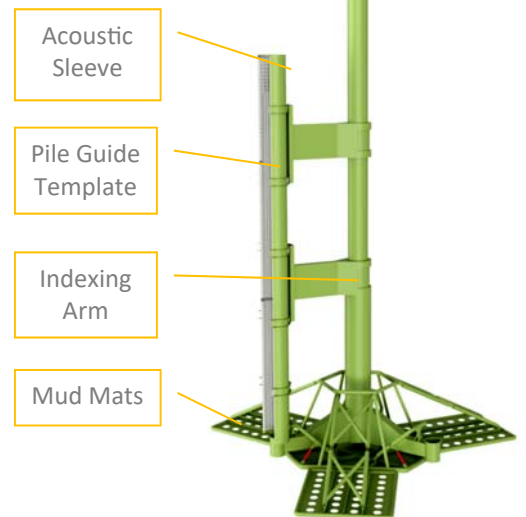


System Closed



Deployed Under Gripper Arm

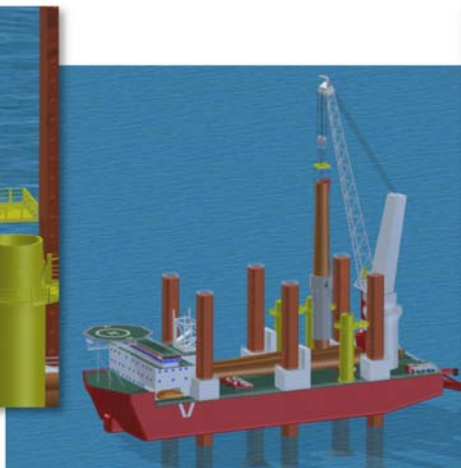
### Piling Template



### Water Ballast System



Pre-Installed on Monopile



One Lift

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