

SeaQuest Systems - Sylomer® Installation Killybegs

CLIENT
SeaQuest System
DATE
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Project Summary

SeaQuest Systems are a Killybegs based marine engineering company leading the way in the design and manufacture of fish pumps and hydraulic systems for offshore vessels. As a growing manufacturer, SeaQuest reached out to SDG requesting expert assistance on vibration control for a new 50-tonne boring machine. SeaQuest recognised the need to protect the buildings structure from the vibrations caused by the new machine.

The issue / challenge

As with all industrial settings, vibration isolation is a key issue which needs addressed at the design stage of any new machine install.

Vibration reduction is crucial for several reasons:

- It protects sensitive machinery and reduces wear and tear
- It reduces sound generation, thereby protecting operatives
- Prevents unwanted machinery movement
- Stops vibrations which may affect the quality of the product being produced

SDG were tasked with coming up with a product proposal which would carry the weight of the 50-tonne machine and slab, along with reducing its impact on the immediate environment.

What we provided / solution

Our team supplied **Sylomer®** (elastic mixed cellular polyurethane material), this unique material provides an elastic layer of insulation between the vibration source and the protected surface.

Sylomer® is a leading material in the vibration isolation market, working to reduce vibrations and noise, while reducing maintenance costs.

By isolating the side walls of this machine base with **Sylomer®**, it efficiently reduced the transmission of vibrations from the surroundings into the structure.

