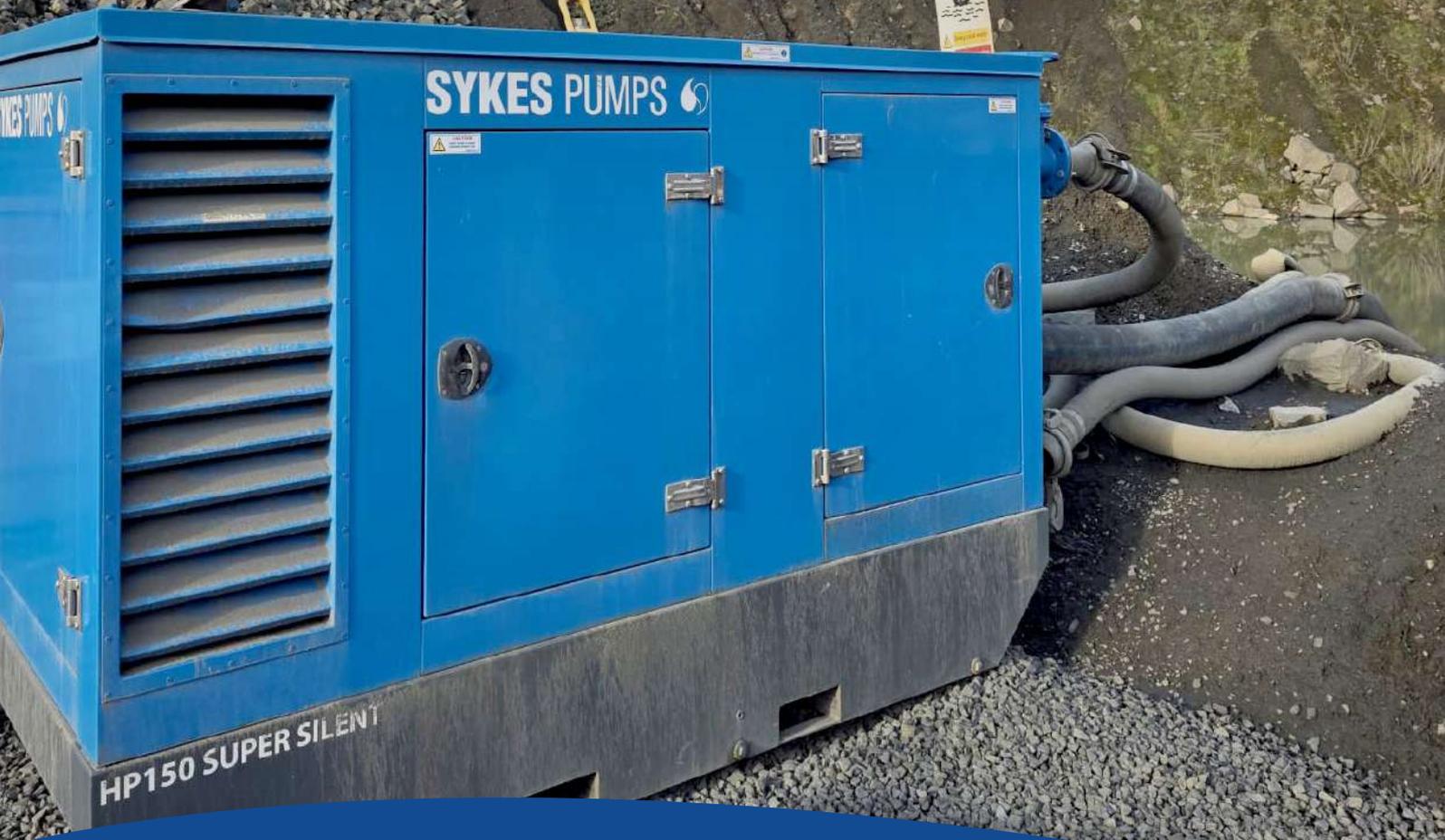




0800 211 611



CASE STUDY

Sykes Pumps Solution Prevents Quarry Flooding During Peak Winter Rainfall

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CASE STUDY

High-Head Pumping Solution Prevents Quarry Flooding in Edinburgh

When a major quarry operation in Newbridge experienced catastrophic pump failure during a period of sustained heavy rainfall, immediate action was required to prevent flooding and operational shutdown.

With the original manufacturer unable to supply spare parts, the site faced a critical risk: rising water levels threatening productivity, infrastructure, and safety.



HP150
Super Silenced Pump

A rapid-response, high-head pumping solution was deployed to stabilise the site and ensure continued quarry operations throughout the winter months.

Designed for demanding dewatering applications requiring significant vertical lift combined with high-flow performance, the **HP150** is an ideal solution for quarrying and heavy industrial environments.

1 CHALLENGE

When the quarry's high-head pump failed during peak winter rainfall, the site was left vulnerable to flooding. The deep extraction areas required significant head pressure and high flow rates, but with no spare parts available, an urgent solution was essential.

Without a rapid and technically accurate response, the quarry would face operational downtime, production losses, and potential long-term water damage.



2 SOLUTION

A rapid, phased deployment strategy ensured immediate flood protection while securing a fully specified long-term high-head pumping solution.

- Prior site knowledge enabled engineers to quickly identify the failed unit and accurately determine the required pump specification and performance requirements without delay.
- A smaller-capacity pump was mobilised straight away to stabilise water levels and provide emergency flood protection.
- Our experts installed the **HP150 Super Silenced Pump** to deliver the required vertical lift and high-flow performance, engineered for heavy-duty quarry environments and severe rainfall conditions.



3 OUTCOME

We delivered a rapid-response pumping strategy that prevented quarry flooding during extreme rainfall while maintaining full site productivity and avoiding costly operational shutdowns.

By combining technical familiarity with decisive mobilisation, the emergency pumping solution ensured continued resilience and operational security throughout the winter period, while strengthening long-term client relationships and trust.



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Need help with emergency or planned pumping solutions?

Sykes Pumps is here to support your operations with high-capacity pumps exactly where you need them.



Learn more



Need help with pumping and water treatment solutions in your sector?

Sykes Pumps is here to support your pumping needs across all industries. Speak to our specialist today!

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