

Powering Through Shutdown Installation

Transporta® Solution for Energy Provider

June / 2026

CHALLENGE

When power is down, everything stops. So, when a large electrical provider was seeking a tailored, storage and transport solution for a critical component, DAYWALK was the obvious choice.



CRITICAL MOTOR REQUIRED FOR SHUTDOWN OR UNPLANNED REPAIR

A critical spare was required in Queensland, so it could be used for shutdowns or unplanned repairs. The repairer was located in Victoria, so the high-value motor had to travel the long journey between the states. Due to the critical nature of the project, the potential for bearing failure or component damage during the trip was not an option.

This meant the motor — worth a conservative estimate of \$1-2 million — required a failsafe solution to ensure that it reached its destination in perfect working order, ready for the install.

VIBRATION PROTECTION FOR MOTORS

A lot can happen to heavy equipment components before they even make it to site. Vibrations during transport, bumps in storage or rough handling can all cause hidden bearing damage known as brinelling: permanent wear that can impact reliability and shorten component life. This can render the component unusable, requiring costly rework and repair and lengthy project delays.

COST OF CRITICAL SPARE DAMAGE

If the motor is down — and the replacement is damaged during transport — it could potentially cost \$1,000,000s in production time. The further replacement of the motor and repair time adds significant cost to operations, which must be avoided.

The good news is that this significant damage can be avoided with the right transport, handling and storage for components.

FAIL-SAFE VIBRATION DAMPING FRAMES

When it comes to transporting and storing high-value motors and critical equipment, even small amounts of vibration, movement or environmental exposure can lead to costly damage and unplanned downtime. To help tackle these challenges, DAYWALK developed vibration-damping transport frames designed to protect valuable components throughout their journey and while in storage.

In this instance, we determined that the best solution for our client was a tailored version of our standard Transporta® Frame, with engineered modifications to meet their exact motor transport requirements.

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Brinelling can be the result of poor handling or transport, with motors requiring extensive rework.



The transport frame with PVC cover offered optimum protection and vibration damping for the motor.



The elimination of downtime was essential for the electricity provider, so the Transporta was selected.

CUSTOMISED DESIGN FOR MOTOR TRANSPORT

Transporta® Frames provide certified logistics protection for high-value spares, helping ensure components arrive safely, stay protected in storage, and are ready for use when operations need them. As an adjustable frame equipped with vibration damping technology and a high-quality PVC cover, this solution offers optimum protection.

The Transporta® shields the motor in transport and storage, preventing brinelling, impact damage, handling inefficiencies — while protecting the asset from the weather.

Some customisations were required for the transport of the motor, ensuring a 28T WLL rating, 4-point crane lift design and smaller. The DAYWALK team of engineers were able to modify our standard Transporta® design to fit the requirements of the energy provider, with a swift lead time to meet the project deadline.

“The boys loved the unit. Super easy to load and lash down. No movement from Victoria to Queensland.”

- I & E Engineer

Keep Moving

CONTACT US

With our in-house engineering capabilities and vibration damping transport solutions, this critical component was able to make its journey, safely and seamlessly. If vibration and bearing damage is a risk in your transport or storage process, it's worth having a closer look at how much it could be costing in reliability, downtime and premature component failure. Talk to our Technical Consultants today.

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