

# BULLIVANTS CASE STUDY

PATTERSON MOBILE CRANES



**Bullivants**

# THE CUSTOMER AND THE CHALLENGE

When you run one of the largest mobile crane fleets in Victoria's booming construction industry, you can't afford your lifts to stop for a minute.

Located in Melbourne, Patterson Mobile Cranes run a large fleet of cranes, travel towers, access equipment and speciality engineering resources covering the Mornington Peninsula, Melbourne, Bayside, Mt Eliza, Frankston-Chelsea & South Eastern Melbourne region.

Combining expertise and experience, Patterson Mobile Cranes are known for their challenging and highly specialised lifts carried out on a daily basis.

Their challenge was to find a sling solution that could be used for a range of different types of lifts, was easy to use and would reduce downtime.

## THE CHALLENGE

Delivering multiple lifts everyday, Patterson Cranes have faced several challenges:

- Unconventional lifts
- On road crane weight limits
- Risk of damaging items during lifts

On a regular basis Patterson Cranes lift 500kg glass panels with a glass sucker lifting device. With low headroom they face limitations on how they can adjust the sling to the required length without risking damage to the glass.

Other challenges include the adaptability from long to short and having to change-out slings can take time for the crane operators to do. Snagging can also be an issue if a loop of chain was to catch when disconnecting the load.

# THE SOLUTION

With a strong relationship for over 30 years, Bullivants offered an opportunity to Patterson Cranes to trial the innovative ADAPTA sling. Bullivants provided Patterson Cranes with an ADAPTA 2 leg, 2 metre sling with a WLL of 8t.

With over 130 years experience, Bullivants understands the challenges associated with unconventional lifts, the deadlines and importance to protect staff and customer equipment when carrying out a lift.

Achieving higher productivity and minimising downtime on a job site were key drivers for Patterson Cranes. Bullivants identified opportunities to add value and improve operational efficiencies including manual handling safety and productivity.

During the trial, Patterson Cranes have used the ADAPTA sling for over 500 lifts including lifts of 500kg glass panels to a 2.7t crawler crane.



# Bullivants

# THE BENEFITS

With easily adjustable legs, this sling provides significant improvements in safety, productivity and reduces the risk of manual handling injuries. Manufactured in Australia, the ADAPTA sling has less components, no metal parts and are lightweight in comparison to other sling types, significantly reducing the time to assemble a load to lift.

## Higher Productivity

“When lifting glass panels, the slings were able to remain on the panels during rotation meaning we did not have to elevate to unhook the rigging during the operation, saving an hour of our time.”

“Being a lightweight sling, they can be handled without machinery with easy attachment and detachment. In most cases, lift times were reduced by 50% which is very beneficial to the business.”

## Greater Cost Control

With no metal parts the ADAPTA reduces the risk of damaging items when lifting. Being lightweight this takes weight off the hook block to assist the crane operator to gain more operating radius.

“We have used chains and other rigging equipment previously to lift our equipment but it always scratches it up, so by using the ADAPTA adjustable sling we are able to keep our gear in pristine condition.”

Bullivants ADAPTA Sling is Patent pending.

## Improved Safety and Compliance

Manufactured with AmSteel®-Blue Dyneema Rope, complying with AS 18264, provides a lightweight sling reducing manual handling injuries.

“With easy adjustable legs, the ADAPTA allows the adjustment of an uneven load safely and efficiently. There is no need for counting chain links and can be carried out at ground level to correct uneven loads.”

## Streamlined

“Adaptability from short to long without having to change slings saved a lot of time and gave us great flexibility on site particularly when we are working in confined spaces.w”

“The ADAPTA can potentially reduce weight of the crane by 300kg which is a lot when doing a lift. By removing the additional weight off the crane allowed an increase to fuel efficiency, making the crane lighter to meet on-road regulations and most importantly, reducing manual handling injuries.”

# OUR TRAINING

**Demonstrations and training took place between Patterson Mobile Cranes and Bullivants surrounding the features, benefits and safe use of the ADAPTA Slings.**

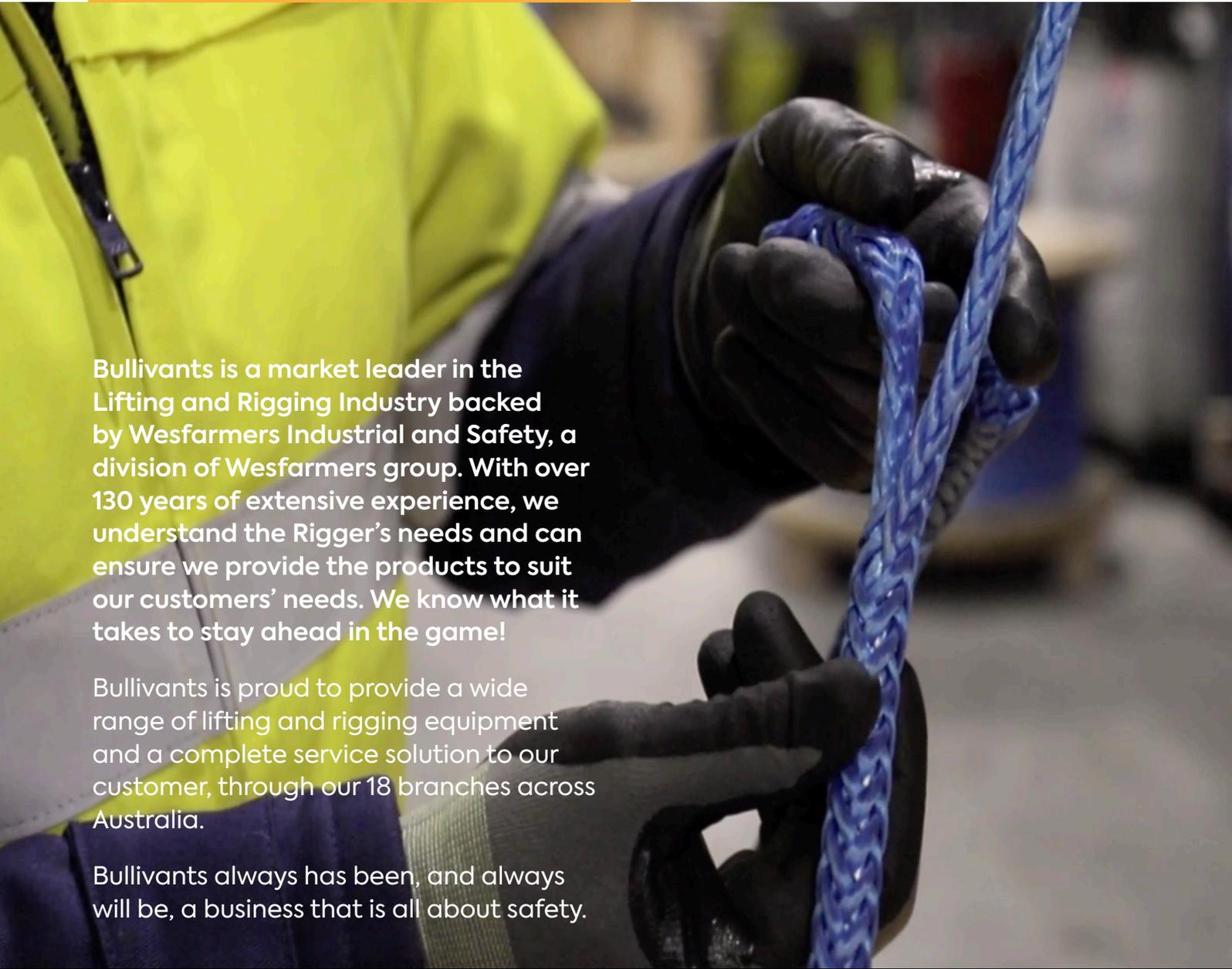
The ADAPTA sling was proposed to Patterson Cranes to trial as a solution for lifting fragile items, such as glass window panels.

A practical demonstration and onsite training was carried out by our training team to Patterson team members. This included lifting and lowering the load, shortening, and lengthening the sling to ensure the load is balanced.



# Bullivants

# PARTNERING WITH CUSTOMERS TO MAKE LIFTING SAFE & EFFICIENT



Bullivants is a market leader in the Lifting and Rigging Industry backed by Wesfarmers Industrial and Safety, a division of Wesfarmers group. With over 130 years of extensive experience, we understand the Rigger's needs and can ensure we provide the products to suit our customers' needs. We know what it takes to stay ahead in the game!

Bullivants is proud to provide a wide range of lifting and rigging equipment and a complete service solution to our customer, through our 18 branches across Australia.

Bullivants always has been, and always will be, a business that is all about safety.

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