



CASE STUDY

# BOOSTING EMPLOYEE COMFORT AND PRODUCTIVITY

Fans are a great way to add to warehouse ventilation. Large-diameter fans deliver the required airflow, working in conjunction with fresh air sources to improve the air quality of warehouses and reduce any negative impact on employees.

As the Australian and Oceania only distribution center, ASICS relocated facilities to a larger warehouse. They were picking up to 16,000 units a day, with four trucks a day going interstate around the country. They required an increase in productivity, but in a larger warehouse, temperatures reached up to 35 degrees celsius.

After one of the hottest summers on record in NSW, ASICS were really concerned about low productivity and employee retention. The heat in the warehouse was causing people to leave and workers were required to take longer breaks.

Working in these excessively hot temperatures can be extremely dangerous, and Warehouse Manager Andrew Carruthers now had an obligation to create a safe, comfortable indoor environment, especially as thermal comfort is key to keeping workers safe and healthy.

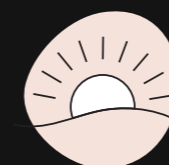
ASICS needed to work smarter AND harder.

Utilising their SpecLab Air flow modelling tool, Big Ass Fans were able to model the impact of their PFX fans on ASICS 25,000square metre distribution centre, accounting for their equipment, walls, forklifts and racking. In doing so, this confirmed the right fans would allow the workers to feel as though the temperature had dropped from 28 degrees to 25 degrees, increasing productivity by 8%.

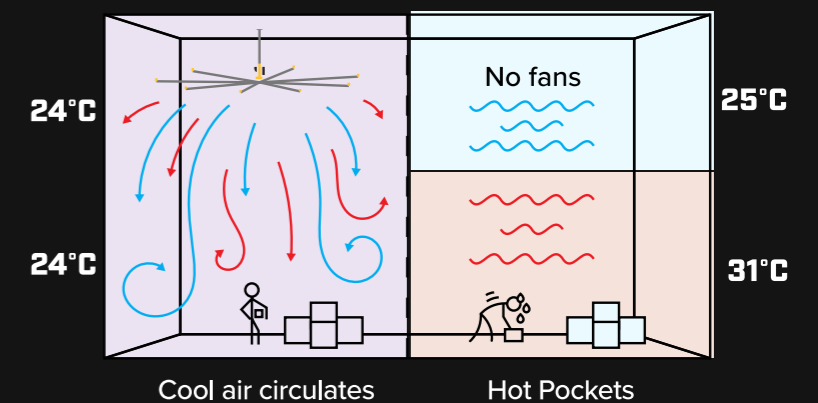
After going ahead with the fan installation, ASICS has now seen an increase in pick rates of 5 units per hour during hotter months, equating to roughly \$2000 per week of additional revenue.

“BEFORE THE FANS WERE INSTALLED MOST OF OUR WORK WAS COMPLETED ON MOTORISED EQUIPMENT SO THE STAFF WERE CONSTANTLY MOVING AND GETTING SOME TYPE OF AIRFLOW. WHEN WE INSTALLED OUR AUTOMATION WHERE STAFF WOULD BE IN FIXED POSITIONS WE KNEW THAT WE HAD TO GET SOMETHING ELSE TO CREATE THAT AIRFLOW, SO DUE TO GETTING THE FANS INSTALLED WE NEVER HAD ANY PROBLEMS EVOLVE DUE TO THE HEAT.

Andrew Carruthers | ASICS Oceania



SUMMER HEAT





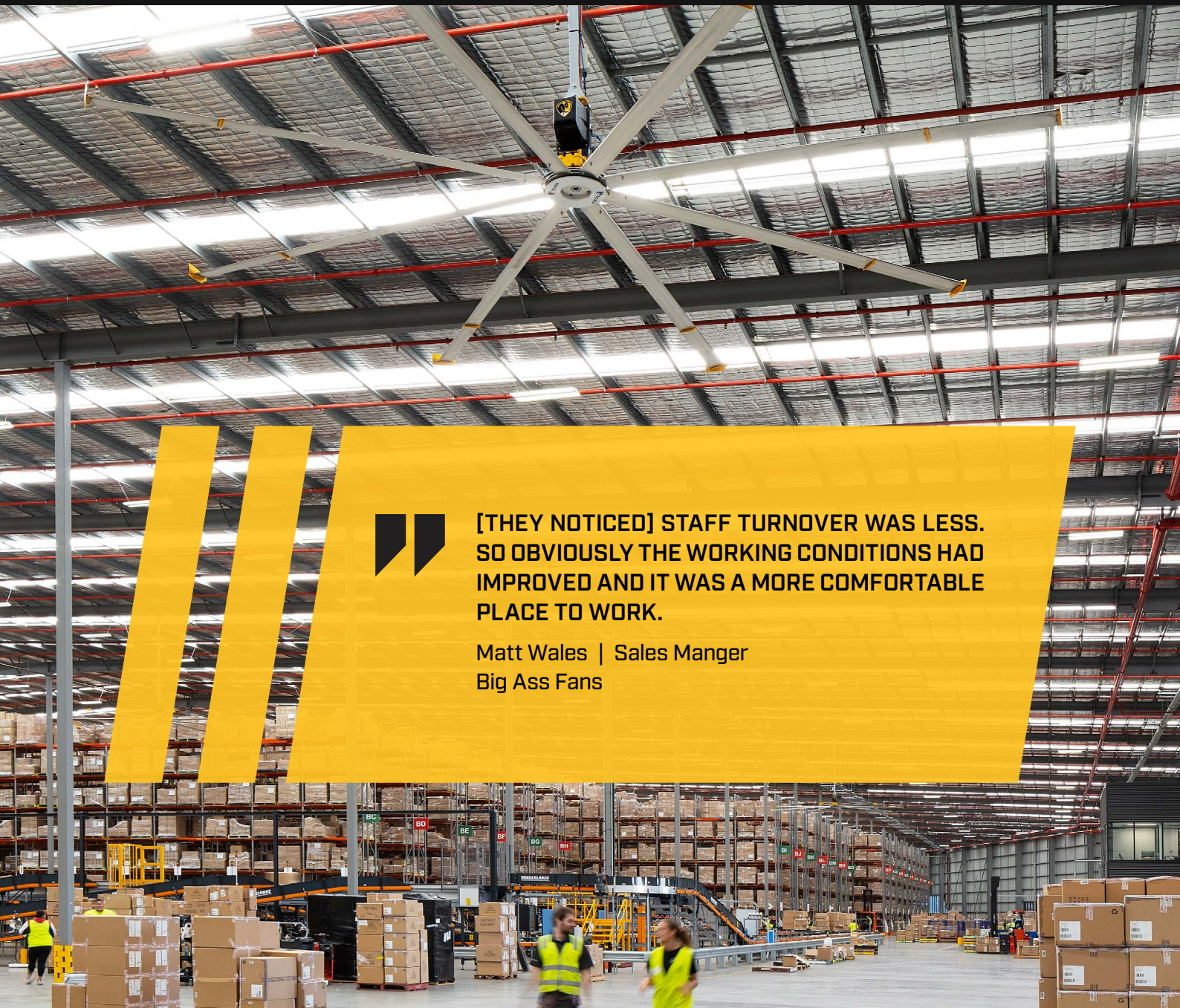
'We also noticed our staff turnover was less. So obviously the working conditions had improved and it was a more comfortable place to work'.

Big Ass Fans' focus on tailoring solutions allows fans to make the most of the existing space and to improve the safety, productivity and job satisfaction of workers.

As temperatures increase, the balance is harder to maintain, and when air becomes humid, it's more difficult to regulate our temperature through evaporation of sweat from our skin. Fans help with this by creating airflow that evaporates perspiration from skin, carrying away heat. The airflow also reduces the thickness of the hot, humid layer of air that builds up around our bodies, which improves heat dissipation.

In short, fans make our natural cooling mechanisms more efficient. So air movement reduces the likelihood of heat-related illnesses and accidents by making employees feel cooler and more comfortable. When workers feel cooler in a warehouse, they're better able to focus on their jobs and not become easily fatigued.

An investment in large, directional fans for warehouses, can be an investment in future-proofing a facility against unpredictable weather patterns, and lead to better employee retention through improving worker comfort and conditions.



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**Matt Wales | Sales Manger  
Big Ass Fans**