

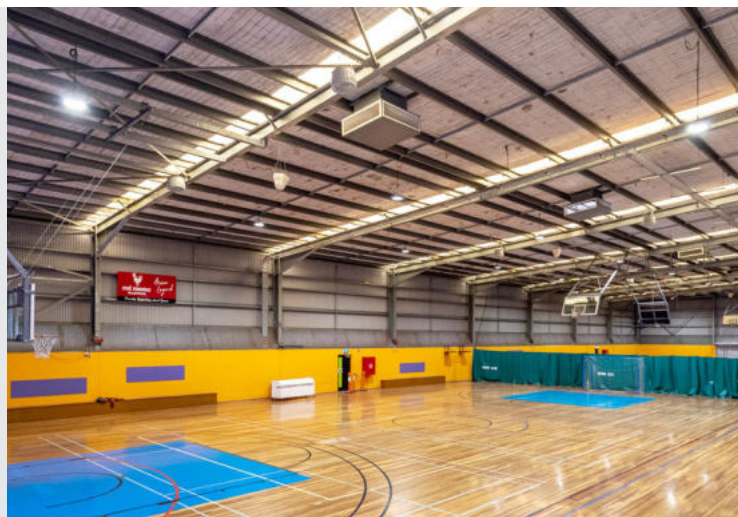
# YMCA Fitness

## - Sports Hall Cooling



Warwick YMCA is located in the very hot southwestern QLD. The facility caters for a range of sports from basketball, volleyball, futsal and gymnastics. There are two basketball courts and large surrounds.

They had an overheating problem and approached Airius to come up with a cost-effective problem free cooling solution. Airius specified and installed 8 x Sapphire Series units throughout the facility.



### Key Points:

- **Multi Purpose Sports Hall:**
  - Area = 1,100m<sup>2</sup>
  - Ceiling Height = 10m
- **Year Long Overheating Problems**
- **HVLS Fans Unsuitable & Expensive**
- **Airius Sapphire Series Specified For Its Efficient High Volume Air Movement**
- **No Lighting Modifications Required**
- **Simple Single Phase Power Installation**
- **Cooling Effects Felt Immediately**
- **Cost Effective To Run & Install**
- **0-100% Speed Controllable**

YMCA Warwick located in southwest QLD and provides a facility for a range of indoor sports.

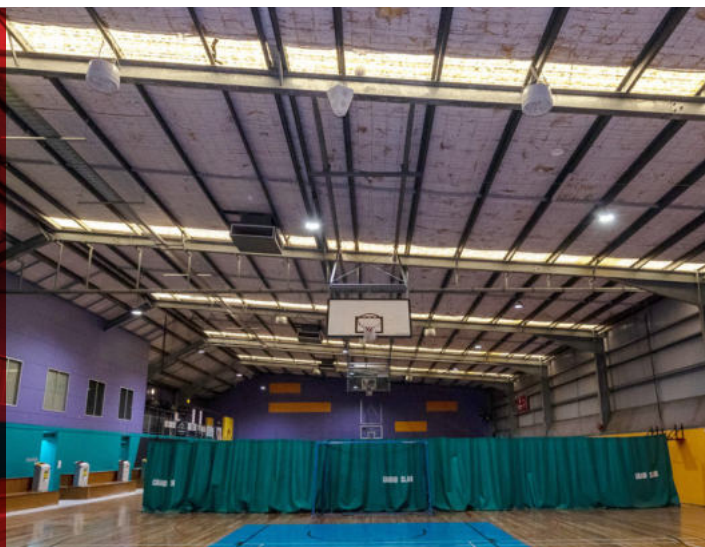
Their facility covers two basketball courts and surrounds and is 10 metres high and approximately 1,100 sq. metres in overall size.

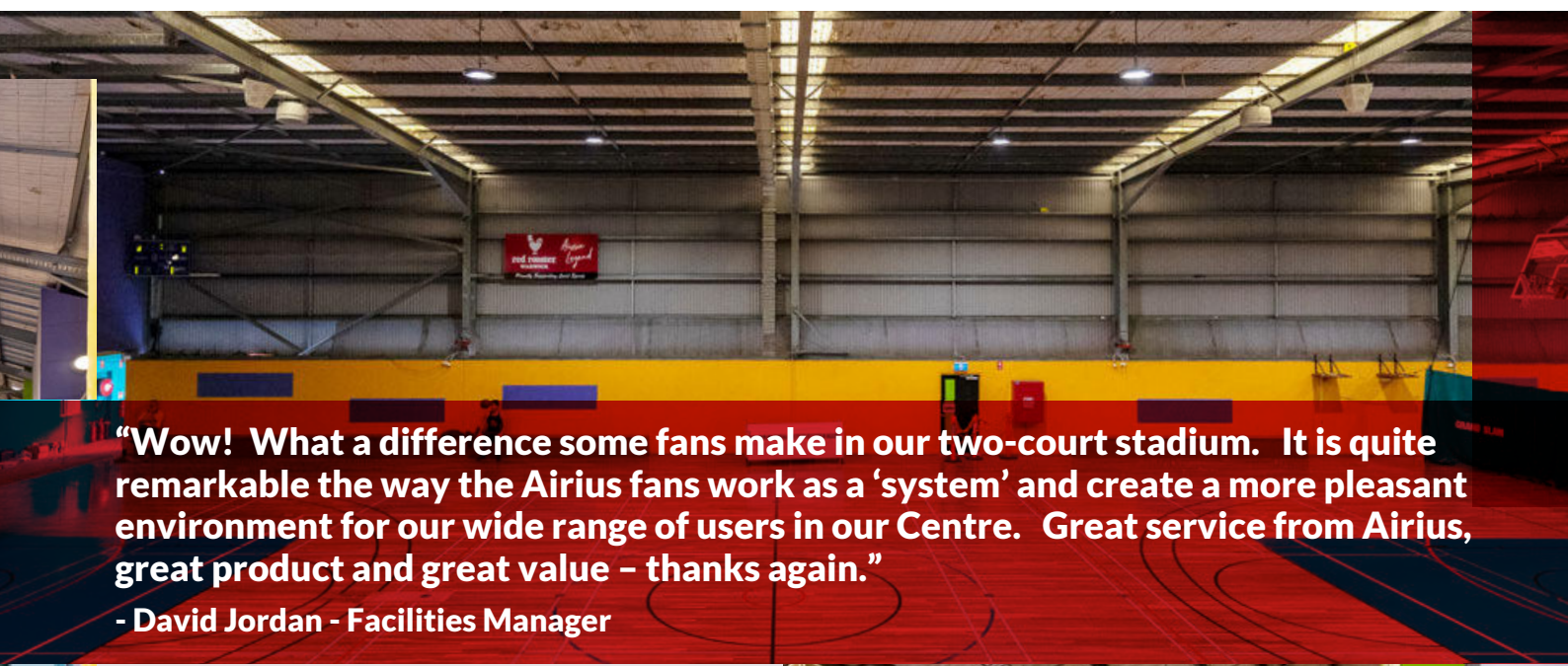
It is used by both the YMCA and assorted associations and groups for a range of sports.

YMCA had considered the use of large bladed fans however the Airius option offered the best price without the expense of running three phase power or relocating the lighting. Plus, the client was concerned at the damage balls etc. can make to large bladed fans, as well as the required annual maintenance costs HVLS large bladed fans require.

As assorted other YMCA facilities around Australia use Airius fans for cooling, David Jordan, the facility manager, approached Airius for a cooling solution in his facility using their unique fans.

After a review of the supplied floor plans and photos, Airius recommended the installation of 8 x Airius Sapphire Series fans, suspended just off the ceiling and evenly spaced around the facility.





**“Wow! What a difference some fans make in our two-court stadium. It is quite remarkable the way the Airius fans work as a ‘system’ and create a more pleasant environment for our wide range of users in our Centre. Great service from Airius, great product and great value - thanks again.”**

**- David Jordan - Facilities Manager**

These fans work together as a system and push out massive volumes of air. They have a thrust rating of 14.32 Newtons and a C/L velocity at 10 metres of 2.89 m/s.

YMCA accepted the Airius proposal adding to the scores of facilities around Australasia and Asia now using the Airius Sapphire Series fans for cooling their large spaces. Their ease of install, and unobtrusiveness, coupled with all their other benefits (compared to every alternative fan type) made the decision easy.

The German EBM Papst EC motor (regarded as the world's best fan motors) which powers the fans, is controlled by either a BMS or by an infinite speed potentiometer controller. Airius supplied two of these controllers -one per four fans per court.

The client was extremely happy with the results and David Jordan, Facility Manager for YMCA Brisbane, said **“Airius fans in our stadium have made a massive difference to the air flow, comfort levels and PR at the Warwick Indoor Recreation and Aquatic Centre (WIRAC). They were very easy to install and won’t have the same maintenance nor programming issues as the HVLS fans, which wouldn’t have coped with the futsal balls bouncing off the rotating blades!”**

