



CASE STUDY

Digital Videoboards

Arena Joondalup
Pool Upgrade

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Arena Joondalup Pool Upgrade

As part of the major upgrade to Arena Joondalup's 50-metre lap pool, VenuesWest engaged Yap!digital to design, manufacture and install two large-scale digital videoboards within the redeveloped aquatic facility.

This project marks the eighth major digital installation delivered by Yap!digital for VenuesWest, reinforcing a long-standing partnership built on technical capability, reliability and delivery performance.

Yap!digital is recognised as Western Australia's leading digital signage turnkey provider, delivering complete solutions from concept and engineering through to installation and commissioning.

PROJECT SNAPSHOT

Client:	VenuesWest
Location:	Arena Joondalup, WA
Delivered by:	Yap!digital – Digital Signage Division of Signs & Lines
Project Duration:	May 2025 – November 2025
Scope of Works:	Two digital videoboards



THE BRIEF

VenuesWest required:

- Two high-impact LED videoboards
- Electronics and structural mounting suitable for an aquatic environment
- Integration within a live major capital works program
- Full system design and technical advisory services
- Commissioning and operational handover

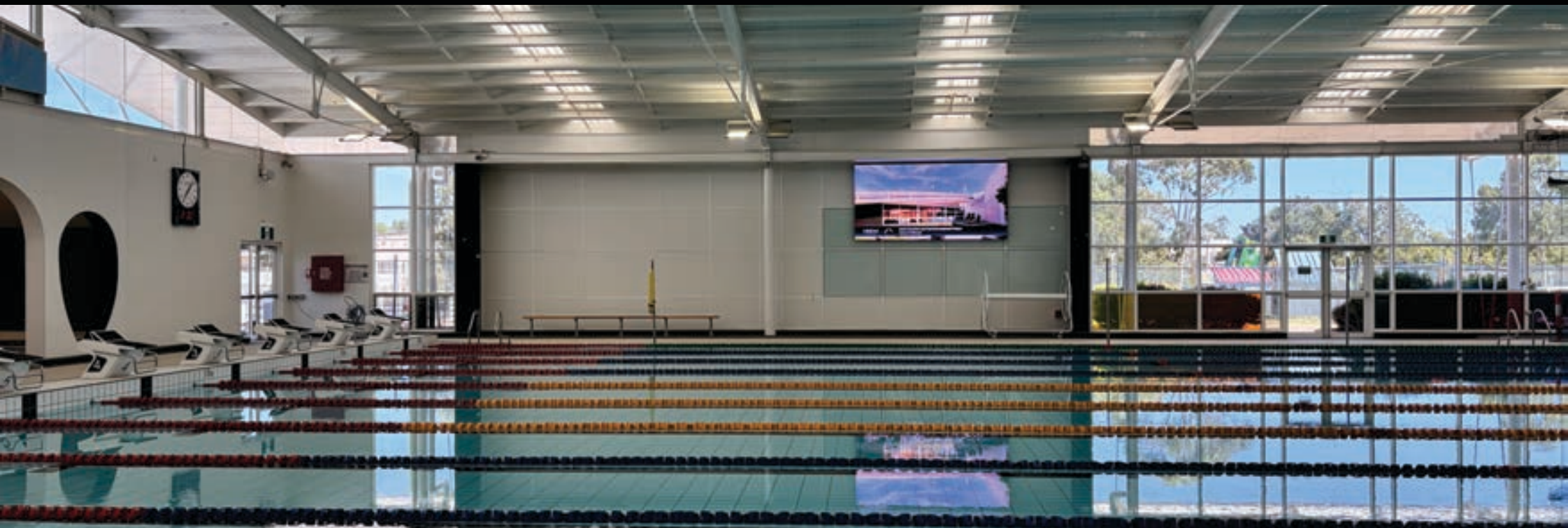
The digital displays were to enhance event presentation, lap timing visibility and facility communications within the upgraded 50m pool.

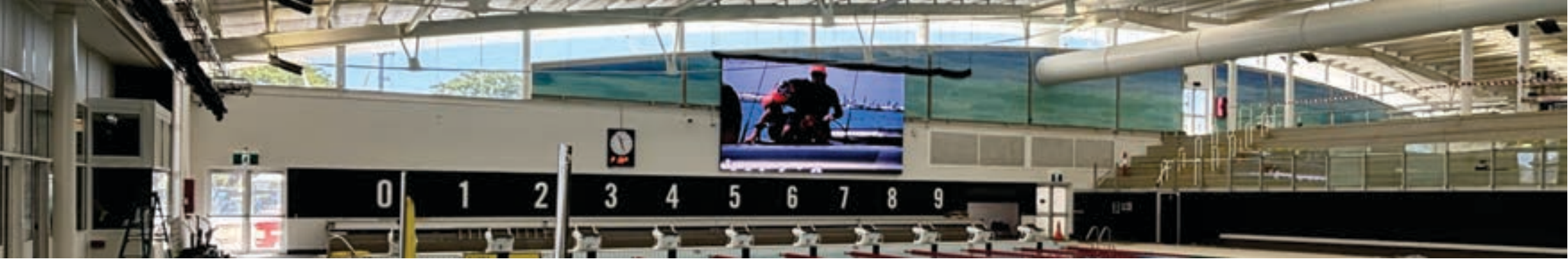
THE SOLUTION

Yap!digital provided a comprehensive turnkey solution including:

- Digital system design
- Technical advice and structural coordination
- Fabrication of custom SHS mounting framework
- LED module assembly and installation
- Mechanical fixing to structural beam and wall
- System configuration and commissioning

All works were staged in coordination with the builder, Byte's, program to ensure alignment with structural, ceiling and finishing trades as part of the broader facility redevelopment.





SCREEN SPECIFICATIONS - MAIN VIDEOBOARD

VenuesWest required:

- Over 7.5 metres wide x almost 4 metres high
- Constructed from 32 LED modules
- Mounted to a custom-fabricated SHS (Square Hollow Section) framework
- Framework and cladding finished using durable 2-pac paint system
- Mechanically fixed to structural beam and wall supports

This primary display provides clear, high-resolution visibility across the entire 50m pool deck and spectator areas, serving as the feature digital asset within the aquatic centre.

SECONDARY VIDEOBOARD

- Almost 4 metres wide x 2 metres high
- Constructed from 8 LED modules
- Mounted to matching SHS framework
- 2-pac painted finish for long-term durability
- Mechanically fixed to beam and wall

The secondary screen supports supplementary event data, programming and facility messaging.

ENGINEERING & CONSTRUCTION COORDINATION

Aquatic environments require careful material and structural consideration due to humidity and chlorinated air exposure. The SHS framework was engineered to meet load requirements and coated in a 2-pac protective finish to ensure longevity.

Installation works were carefully programmed around ongoing builder activity. This required:

- Close collaboration with site management
- Flexible staging aligned with structural completion milestones
- Strict adherence to site safety requirements
- Minimal disruption to the broader capital works schedule

Through proactive planning and coordination, Yap!digital delivered the works without impacting critical construction timelines.

COMMISSIONING & DELIVERY

Yap!digital's scope extended through to:

- System configuration and optimisation
- LED calibration
- Performance testing
- Screen commissioning
- Client handover

The installation was completed in November 2025, fully operational and ready for reopening — delivered on time and within budget.



ONGOING PARTNERSHIP WITH VENUESWEST

This project further strengthens Yap!digital's extensive portfolio of major digital infrastructure delivered for VenuesWest, including: Digital boards and pitch ribbon displays at HBF Park, aquatic L-shaped digital installation at the High Performance Centre in Claremount, Joondalup AFL digital scoreboard and a digital scoreboard at the Sam Kerr Football Centre.

Across these projects, Yap!digital has consistently delivered engineered, large-format digital solutions tailored to high-performance sporting and community venues. A low risk solution from a professional signage company.

THE OUTCOME

- Two premium digital videoboards integrated into a major facility upgrade
- Enhanced event presentation and operational capability
- Durable structural solution designed for aquatic conditions
- Delivered on time and within approved budget
- Strengthened long-term partnership with VenuesWest

The Arena Joondalup 50m Lap Pool videoboards represent another milestone in Yap!digital's delivery of complex, large-scale digital signage solutions across Western Australia's premier sporting and aquatic venues.

THE FINAL WRAP

The team will give you a non-biased recommendations and gear your signage to the future. Our experience of static and digital signage solutions will ensure that you receive our trademark outstanding experience.

We're ready to start talking! Speak up now about your next project or idea.

To find out more about our full range of services – and the Signs & Lines difference – contact us today +8 9274 5151 or admin@signsandlines.com.



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