



REGIONAL VELODROME PROJECT PROSPECTUS 2016

**The Whanganui design is a compelling concept –
a unique combination under one gigantic roof**



**The Whanganui Velodrome is a unique,
quality regional facility that needs to be
future-proofed to realise its full value**



REGIONAL VELODROME

VISION

A world class covered velodrome, world class speed skating and events venue



Visual credits to Copeland Associates Architects

PROPOSAL

This Region has an exciting opportunity to realise the full potential of an upgraded Whanganui Velodrome. The Whanganui Velodrome is a strategic asset for the Manawatu Whanganui Region and the opportunity to have it 'roofed' will allow this region to achieve status as a Regional Cycling Performance Hub, hold international speed skating events at the venue and attract other non-sporting uses.

The preferred upgrade option involves roofing the Velodrome with amenities for Cycling and Speed Skating and includes provision of a larger flat internal arena suitable for hosting all weather sporting and non-sporting events. This preferred option, costed at \$12M, strikes a balance between affordability and the projects objectives.



Visual credits to Copeland Associates Architects

TRACK

Whanganui had the vision to build its velodrome in 1995 to world class ICU specifications. It was the first wooden track of its kind in the country and is widely regarded as still being the fastest track in New Zealand.



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THE PROJECT PROSPECTUS

PROJECT OBJECTIVES

The covered Velodrome will:

- Be an opportunity to align with and take pressure off the national velodrome in Cambridge.
- *Be a catalyst for economic and tourism benefit.*
- **Protect and enhance the investment.**
- *Attract national and international sporting and non-sporting events to the region*
- **Ensure this region obtains regional cycling hub status**
- **Provide for the widest possible range of sporting, cultural and high-spectator-appeal uses, especially for those regional and local activities that currently are without indoor after-hours facilities.**

ANDREW MATHESON CEO CYCLING NEW ZEALAND:

“Cycling New Zealand is totally committed to the benefits that roofing the regional velodrome in Whanganui will bring to New Zealand Cycling at every level and support the Regional Velodrome Roofing Group unconditionally.

The fully developed velodrome will be a centre piece in Cycling New Zealand’s Cycling Performance Hubs.”

THE LOOK

DAYLE CHEATLEY, NATIONAL COACH TRACK CYCLING:

“We are committed at national level to having our international stars compete in Whanganui upon completion of the track development.”

The project will see the Velodrome Arena being fully covered with a clear span tension membrane roof structure spanning over 7000m². This revolutionary design will provide a cost-effective solution using a breathtaking dome structure and membrane technology similar to London’s O2 Dome.

The Tension Membrane Roof is State of the Art Technology:

- *Is translucent, giving better lighting*
- *Meets extremely onerous performance characteristics for strength, fire resistance, corrosion and weather protection,*
- *Resists UV degradation,*
- *Is externally self-cleaning in average rainfall and requires minimal maintenance*
- *Does not react with air or waterborne chemicals (is inert)*
- *Is highly resistant to salt-laden coastal atmospheres*
- *Allows rapid construction.*



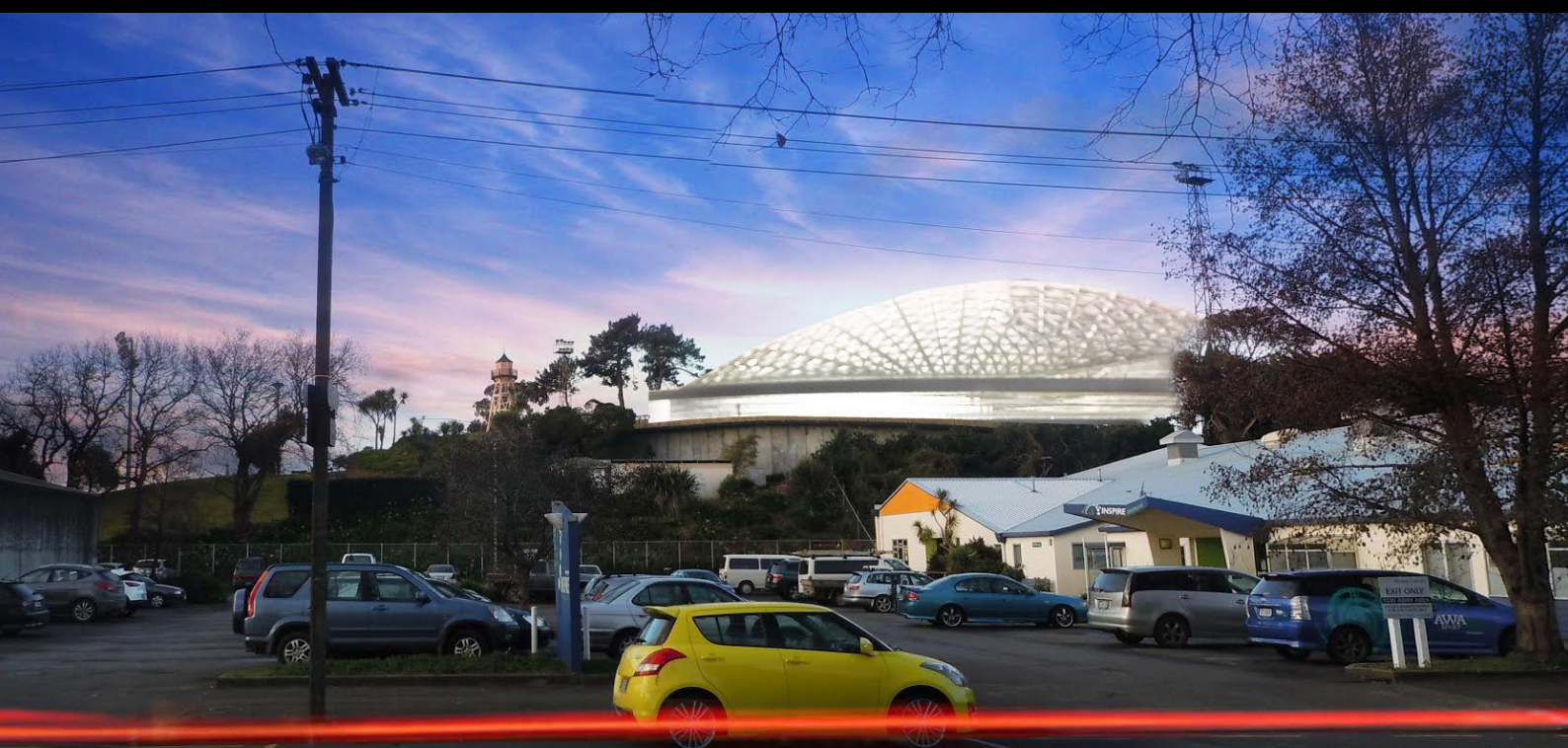


REGIONAL VELODROME

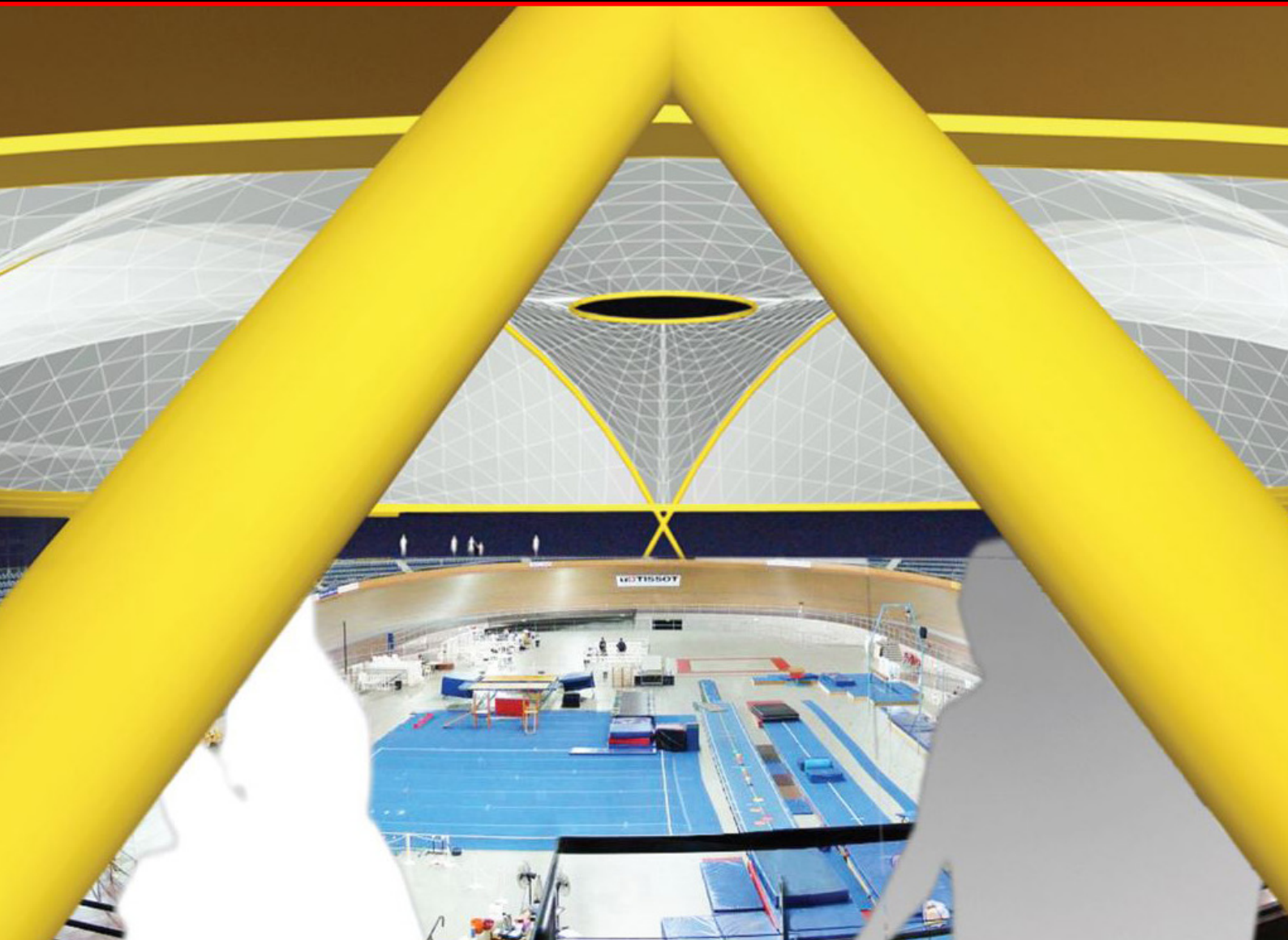
KEY PROJECT FEATURES AND COSTS

The project includes the following key features:

The Velodrome Track <i>The existing 250 metre hardwood international standard velodrome track constructed in 1995, is retained and protected.</i>	\$0M
Velodrome Roof <i>This includes foundations, steel structure and tension fabric membrane. Ring beam to give 3M clearance at perimeter.</i>	\$7.0M
External Envelope (sides) <i>Some adjustable side enclosures to provide weather protection, ventilation function and spectator/user comfort. i.e. West sidings on either side of 'Snell Pavilion'.</i>	\$0.5M
Club and Control Facilities <i>Provision for a control room, referees, toilets and meeting rooms.</i>	\$0.5M
Arena <i>Level interior arena. Provide new flat arena slab throughout. 200m skating track to be incorporated.</i>	\$2M
Construction Costs	\$10M
Related Costs <i>i.e. Professional services, disbursements, consents, contingency</i>	\$2M
Total Costs	\$12M



ME PROJECT PROSPECTUS



Visual credits to Copeland Associates Architects

THE FUNDING

The proposed Velodrome upgrade is anticipated to be funded through a mix of central, regional and local government funding along with other contestable funding sources and corporate/individual contributors.

PROJECTS FUNDING STREAMS

Funding Trusts & Corporates	\$3.0M
Whanganui DC	\$1.0M
Government	\$6.0M
Regional Council	\$2.0M
Total	\$12.0M

This is a fantastic opportunity for Government to invest in this velodrome development phase to deliver local, regional and national benefits.



REGIONAL VELODROME

INCREASED USE AS A RESULT OF A COVERED VELODROME - CAPACITY FOR MULTI-USE

Regional Cycling Performance Hub Status

The fully developed velodrome will be a centre piece in Cycling New Zealand's Cycling Performance Hubs".

Supplementary to the Government's support for this project is the Regional Growth Study and implementation programme (Accelerate25) findings that cycling is a significant economic contributor to the region, and that opportunities exist to grow that contribution. Developing the velodrome is part of that picture.

The 'Accelerate 25' report also alludes to the need for regional collaboration and leadership to enable regional growth to occur and states "the region has lacked leadership and an apparent unwillingness to coalesce around successful ventures...This lack of networks, lack of interconnectedness and lack of common goals and resolve is a key consideration in assessing what is possible in the future of the region".

Increased Cycling Usage

NZ Cycling Track Champs

Every three years attracting up to 1000 riders and visitors

Oceania Cycling Track Champs

Every ten years attracting up to 1000 riders and visitors

NZ Secondary Schools Cycling Track Nationals

Every three years attracting up to 1000 riders and visitors

One Cycling international event

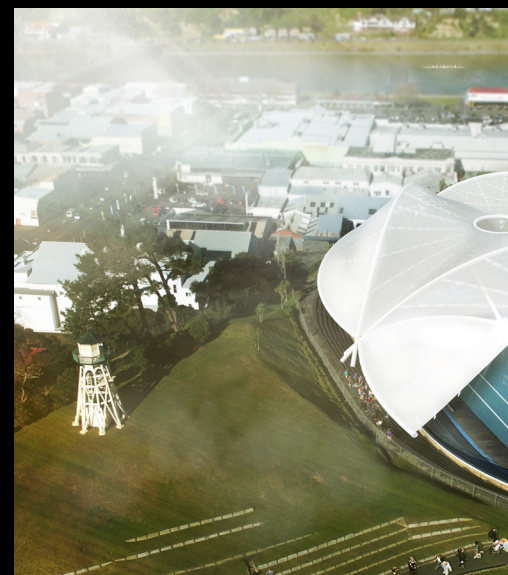
Once every three years attracting up to 1100 riders and visitors

Bike NZ/Regional Cycling Performance Hub Camps

Ten times per year

Regional Cycling Events

Three per year



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ME PROJECT PROSPECTUS

Recreational riders, school/junior riders, club riders and corporate riders Only Roofed International Speed Skating Track in Australasia

The proposal includes an international class in-line skating track. There are currently no other indoor banked speed skating tracks in Australasia.

A roofed speed skating track will result in the following events coming to the region:

- *Oceania Speed Skating Championships – every four years*
- *NZ Bank Track Championships – every two years*
- *World speed skating championships – every ten years*
- *Other non-cycling/speed skating events – two per year*

LETTERS OF SUPPORT FROM:

<i>Mayor Whanganui</i>	<i>Hamish McDouall</i>
<i>Mayor Palmerston North</i>	<i>Grant Smith</i>
<i>Mayor Ruapehu Districts</i>	<i>Don Cameron</i>
<i>Mayor Rangitikei</i>	<i>Andy Watson</i>
<i>West Coast NI Cycle Centre</i>	<i>Steve Stannard</i>
<i>Cycling NZ CEO</i>	<i>Andrew Matheson</i>
<i>Levin Cycling Club</i>	<i>Nick Spark</i>
<i>Bike Manawatu Chair</i>	<i>Stephen Stannard</i>
<i>Cycle New Plymouth President</i>	<i>Geoff Mackle</i>
<i>Taranaki Cycling Inc</i>	<i>Gina Hart</i>
<i>Whanganui Cycling Club</i>	<i>Ross McNeil</i>
<i>Sport Whanganui CEO</i>	<i>Danny Jonas</i>



“In 2008 our NZ Team Skaters won 5 medals at the World Championships.....We are left wondering how much more successful we could be if.....indoor facilities [were] available in NZ where they could base themselves.”

*“...the proposal to have the banked track under cover.....
The opportunity this provides for our sport is beyond our wildest dreams.”*

Skate NZ-President



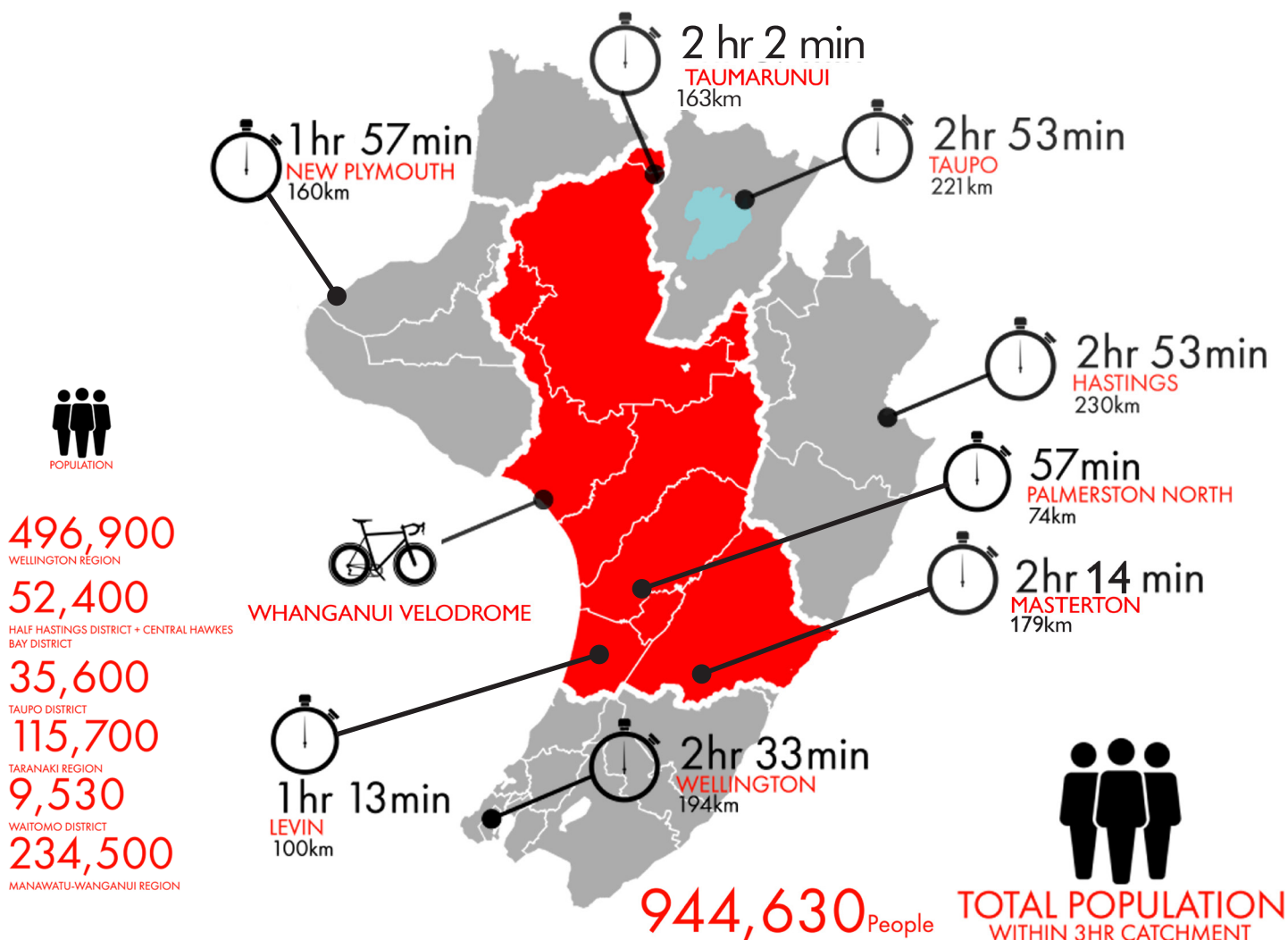
REGIONAL VELODROME

One-off sporting events including –

- BMX
- X Cross Games
- Volleyball
- Lacrosse
- Masters Games
- Police Games
- Martial Arts
- Archery
- Bowls
- Boxing
- Cricket (nets)
- Trampolining
- Fencing
- Gymnastics
- Weight Lifting

Other non-sporting uses including –

- Concerts
- Shows
- Kapa haka
- Trade Exhibitions
- Civic function
- Fashion Sales
- Business Awards
- Young Farmer of the Year
- Conferences
- Banquets
- Circus



THE PROJECT PROSPECTUS

REGIONAL BENEFITS

Cycling is a major economic and social wellbeing contributor to the region

- Manawatu Whanganui Regional Growth Study identifies cycling as a major growth opportunity
- Manawatu Whanganui Region has several cycle trails that are part of the National Cycleway network
- Councils' have invested and continue to invest heavily in recreational cycling infrastructure
- Cycling participation rates are increasing, catering for all ages and abilities

Manawatu Whanganui - the obvious location for a regional cycling performance hub

- The Manawatu Whanganui Region has a Long history of producing talented, elite/ world class cyclists along with officials
- The Manawatu Whanganui Region has excellent regionally integrated assets, facilities and services
- Cycling NZ propose the Manawatu Whanganui Region as the next Regional Cycling Performance Hub

Another example of Manawatu Whanganui regional council working together

- A process is nearly complete for developing a Manawatu Whanganui regional facilities plan
- The Whanganui velodrome is a strategic regional community facility
- Creates an exciting modern sports and events venue of international stature
- A genuine multi-use events centre with the facilities & flexibility to cater for the widest possible range of sporting, cultural and high spectator appeal uses





REGIONAL VELODROME

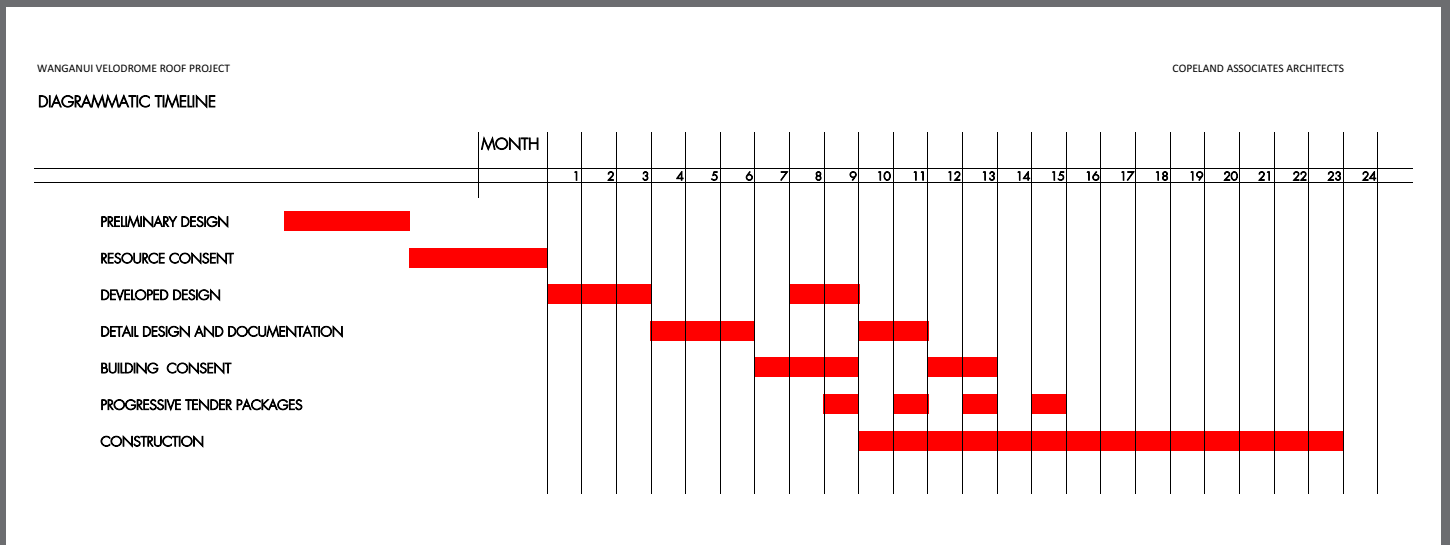
TIMEFRAME

Design to Commission

Membrane structures typically have faster construction times than for more conventional composite steel roof structures.

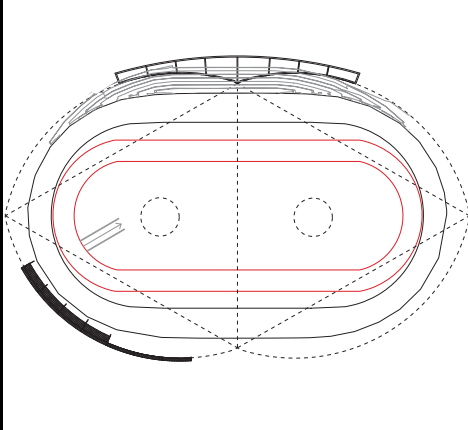
Already significant design work has gone into the project including preliminary design and documentation, wind tunnel testing, resource consent approval, business plan development and discussions and applications for potential funding.

Construction start to finish can be achieved within a twelve month period.

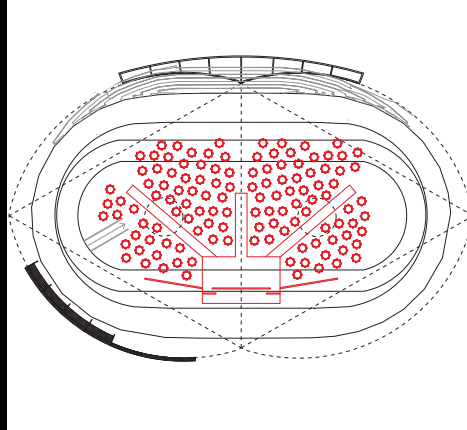


ME PROJECT PROSPECTUS

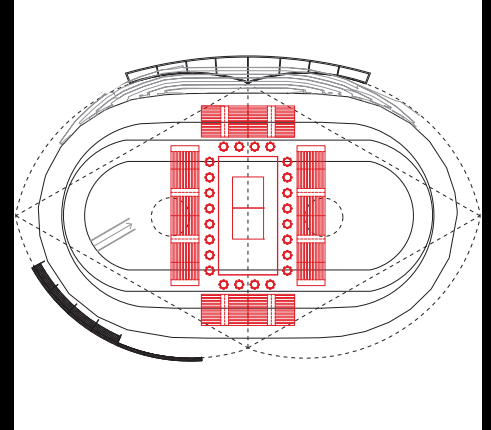
CONFIGURATIONS



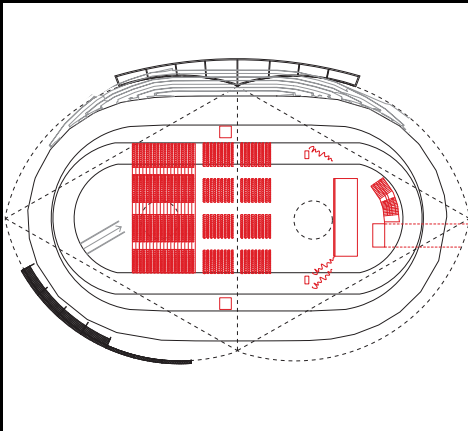
**SPEED SKATING
TRACK**



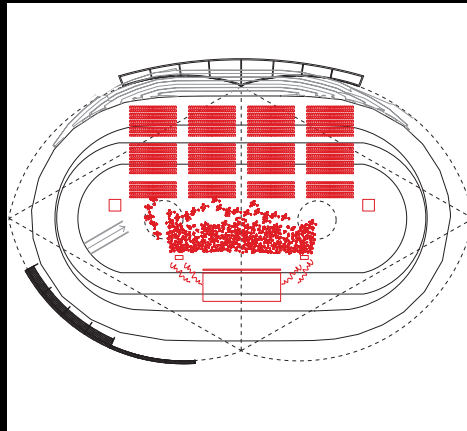
BANQUET



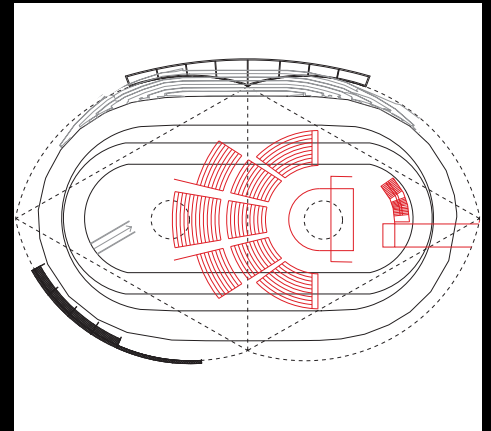
FEATURE MATCH



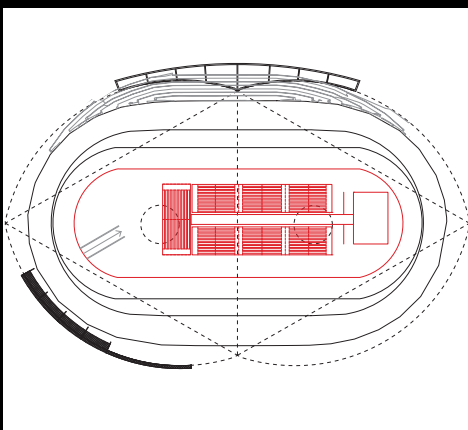
**CLASSICAL
CONCERT**



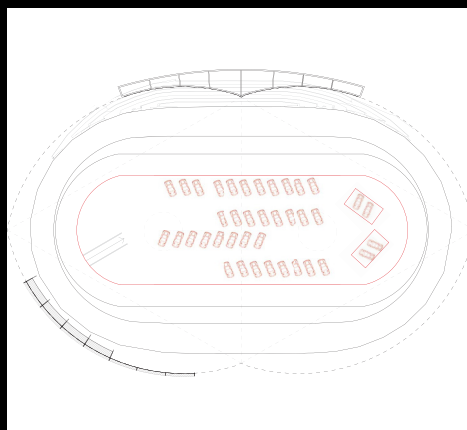
**ROCK
CONCERT**



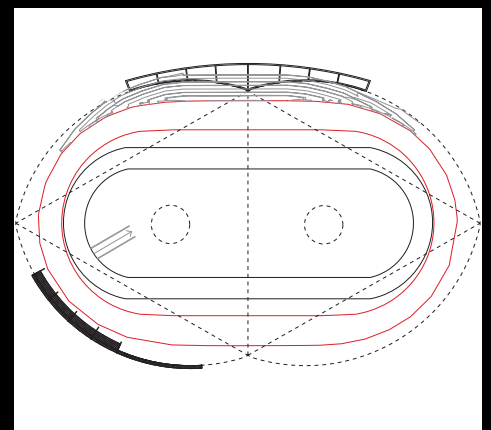
THEATRE



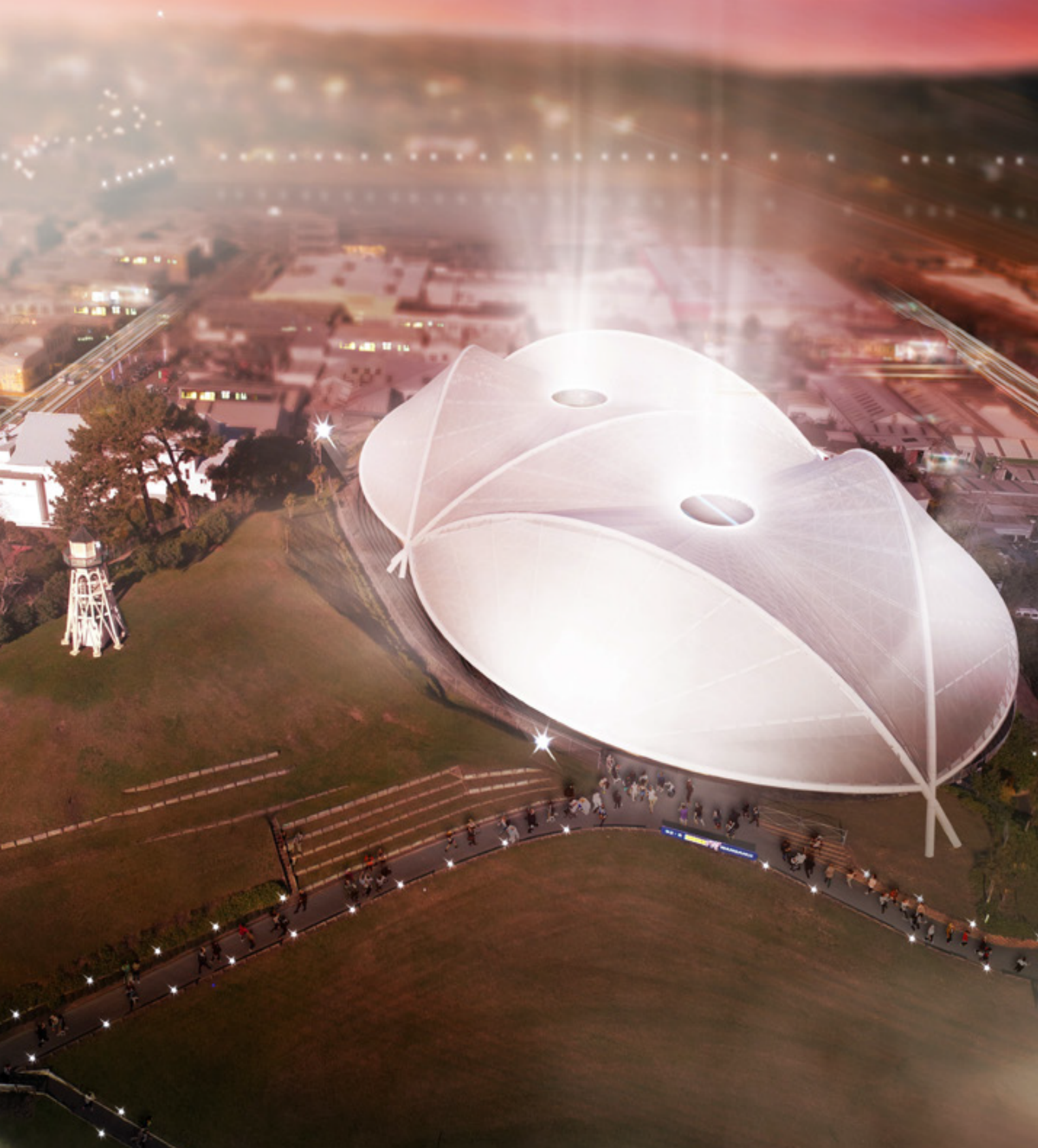
**FASHION
SHOW**



**CAR
SHOW**



**CYCLING
TRACK**



COPELAND ASSOCIATES ARCHITECTS

“THE COVERED VELODROME WILL BE A REGIONAL GEM”

The design concept is state of the art and totally functional – consisting of a membrane and steel structure, covering the entire track area.