

Appendix G

Objectives of Aerotropolis Core Precinct

Objective	Response
Develop a vibrant, connected and permeable 24-hour metropolitan city centre, centred on the metro station and a global destination for business, tourism and social experiences.	<ul style="list-style-type: none"> The proposal provides for an advanced manufacturing research facility set to become a high technology hub to support the Aerotropolis Core. The facility will provide for a place which is a cutting-edge facility to attract a global market.
To become the premier location of choice for advanced manufacturing and high technology industries in Australia.	<ul style="list-style-type: none"> The facility will be the first advanced manufacturing research facility in the Aerotropolis Core. The facility will provide for cutting edge technology global businesses will be attracted too, which will promote economic growth.
Create an aerospace and defence industries sub-precinct comparable with recognised international benchmark precincts.	<ul style="list-style-type: none"> The facility set a high standard of quality attracting global partners. It will support aerospace and defence industries with the technology the facility holds.
Create a health and education precinct comparable with recognised international benchmark precincts, incorporating a multiversity with STEM focussed education, leveraging from collaboration with the industrial sectors in neighbouring precincts and underpinned by the superior accessibility of mass transit.	<ul style="list-style-type: none"> The surrounding developments will consist of health and education land uses. The facility will incorporate education, research and innovation into its operation. The facility will collaborate with the surrounding precinct and industry sectors once developed using its location and connection to transit.
Create a highly distinctive city character with a public domain of outstanding urban design, architectural and landscape merit that responds to site characteristics and context.	<ul style="list-style-type: none"> The buildings design has been undertaken to integrate into the natural landforms, particularly noting the design intent to respond to the natural creek forms within the locality. The facility will incorporate public domain upgrades to engage the community with the work and activities that occurs within the AMRF. The building successfully response to the natural character and landscape it is nestled in.
Develop street networks and links to rail stations to accommodate public transport infrastructure provision to allow for a 30-minute city and create pedestrian orientated development centred around key destinations and around transport nodes, for example metro stations.	<ul style="list-style-type: none"> The precinct will have a network of active and passive connecting facilities be constructed over the next 10 years. A metro station has been approved near the site. The site will be connected with appropriate transport infrastructure.
Significantly reduce reliance on single occupancy private motor vehicles for trips, enabling the majority of trips in Precinct to be undertaken using sustainable forms of transport such as public transport, walking and cycling.	<ul style="list-style-type: none"> Once the Aerotropolis city is built, appropriate transport infrastructure will be available to reduce reliance on private motor vehicles. Active and passive transport solutions will be integrated into the Aerotropolis.

<p>Establish public and private domains which mitigate and adapt to urban heat and support innovative water sensitive urban design.</p>	<ul style="list-style-type: none"> • The AMRF will incorporate a range of resilient development principles to ensure the building adapts to the natural environment and reduces the urban heat island effect. • The facility will provide for WSUD strategies that are incorporated into the public and private domain of the site.
<p>Protect the operations of the Airport, including 24-hour operations, and provide appropriate protections for the community.</p>	<ul style="list-style-type: none"> • The proposal will be consistent with the objective once the airport is complete.
<p>Support and integrate sustainable energy, waste and water as well as a circular economy into development and operations.</p>	<ul style="list-style-type: none"> • The building will be design with the concept of circular economy in mind. • Designing the building with a target of reducing embedded carbon into the proposal as much as possible. • The buildings materials will be sourced or constructed in means that support economic and environmental sustainability.
<p>Achieve high levels of water retention in the landscape to achieve healthy waterways, contribute to greening and cooling, and facilitate and support effective flood mitigation.</p>	<ul style="list-style-type: none"> • The proposal will Incorporate water retention and reuse methods. • The use of WSUD methods will achieve the objective of the Aerotropolis Core.
<p>Ensure that design minimises energy and water consumption and optimises water management providing pathways to net zero emissions and enhancement of environment across the entire Aerotropolis.</p>	<ul style="list-style-type: none"> • The proposal will aim to achieve a net zero emission in attempt to set a standard for future development to occur within the precinct.