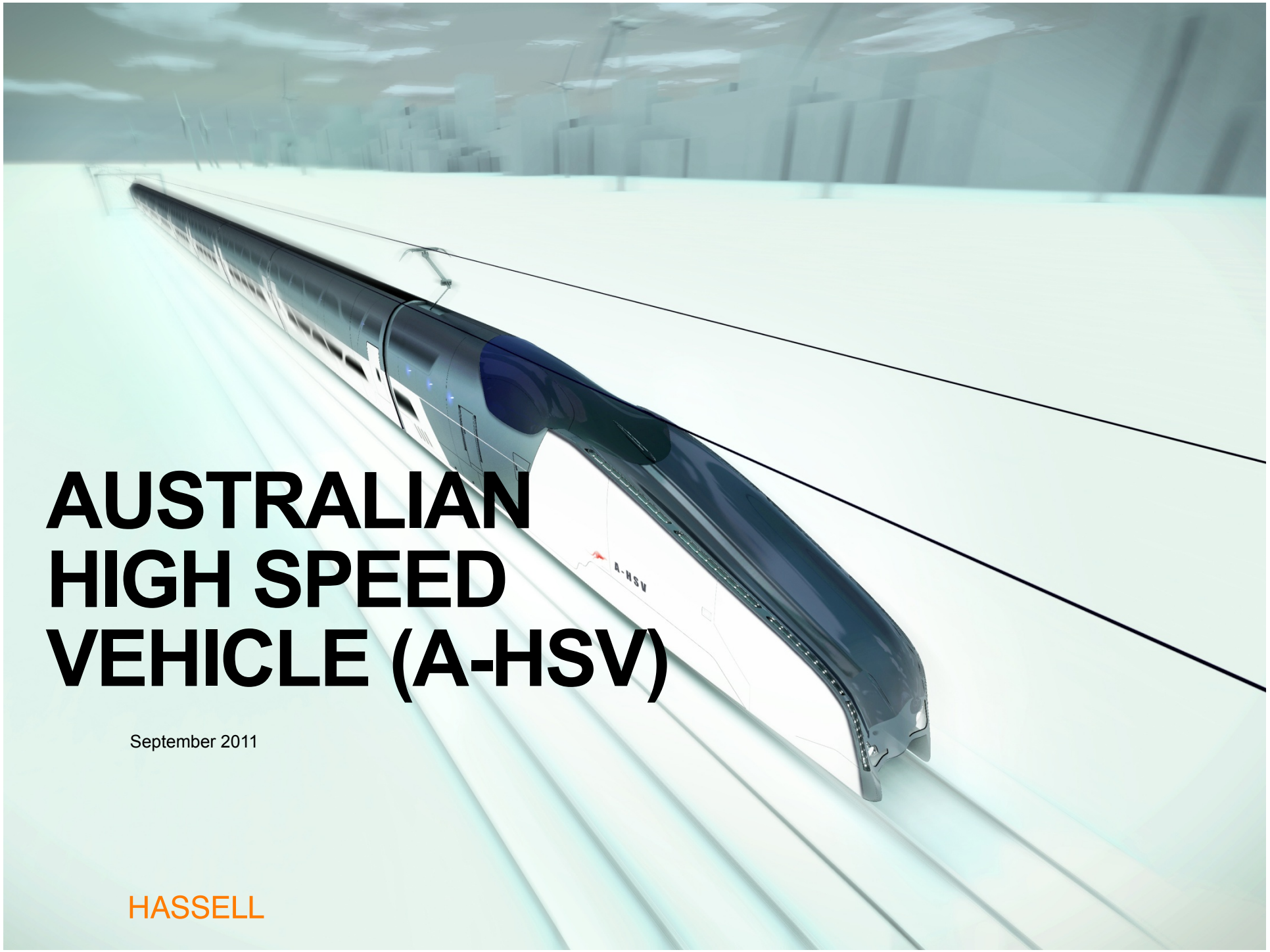

AUSTRALIAN HIGH SPEED VEHICLE (A-HSV)

September 2011

HASSELL

HASSELL VISION: GLOBAL LEADER IN DESIGNING A SUSTAINABLE FUTURE

___ Where we work

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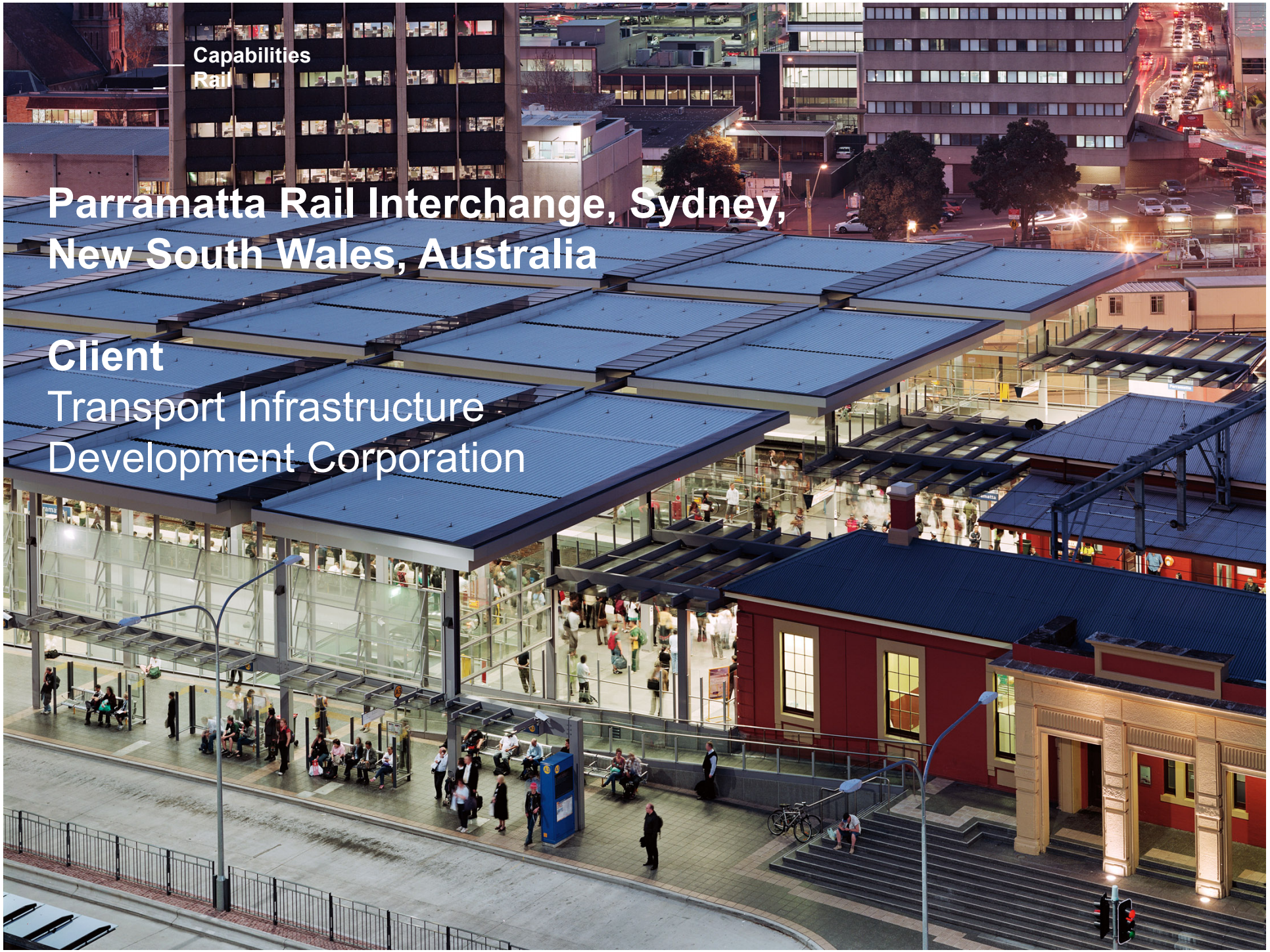
HASSELL is one of the world's largest international design practices with more than 900 people working across studios in the United Kingdom, Asia and Australia.

We are an integrated design practice, we are structured around the key disciplines of:

_Architecture
_Interior Design
_Landscape Architecture
_Planning

We work across a broad range of scales from the interior design of a single home or boutique retail store through to major building architecture and broad scale strategic urban planning for cities.

_ **RELEVANT EXPERTISE**
_ RAIL
ROAD AND INFRASTRUCTURE
SUSTAINABLE PARKLANDS AND
RESIDENTIAL LAND DEVELOPMENT
AIRPORTS
THEORETICAL AND CONCEPTUAL



Parramatta Rail Interchange, Sydney, New South Wales, Australia

Client

Transport Infrastructure Development Corporation

Olympic Rail Station, Sydney, New South Wales, Australia

Client
Olympic Coordination Authority

Tugun Bypass, Queensland, Australia

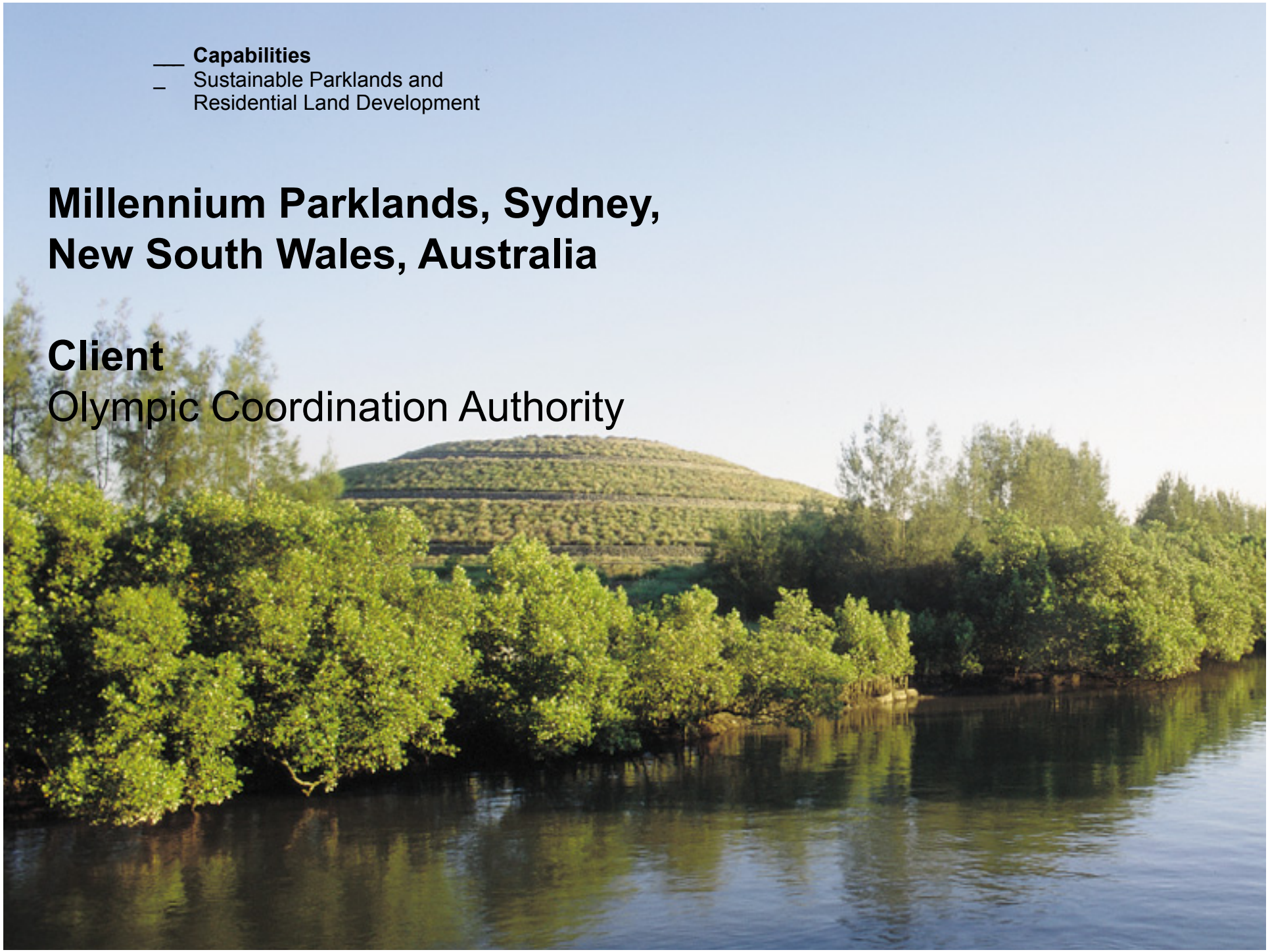
Client

PacificLink Alliance

Capabilities
Sustainable Parklands and
Residential Land Development

Millennium Parklands, Sydney, New South Wales, Australia

Client
Olympic Coordination Authority



Capabilities
Sustainable Parklands and
Residential Land Development

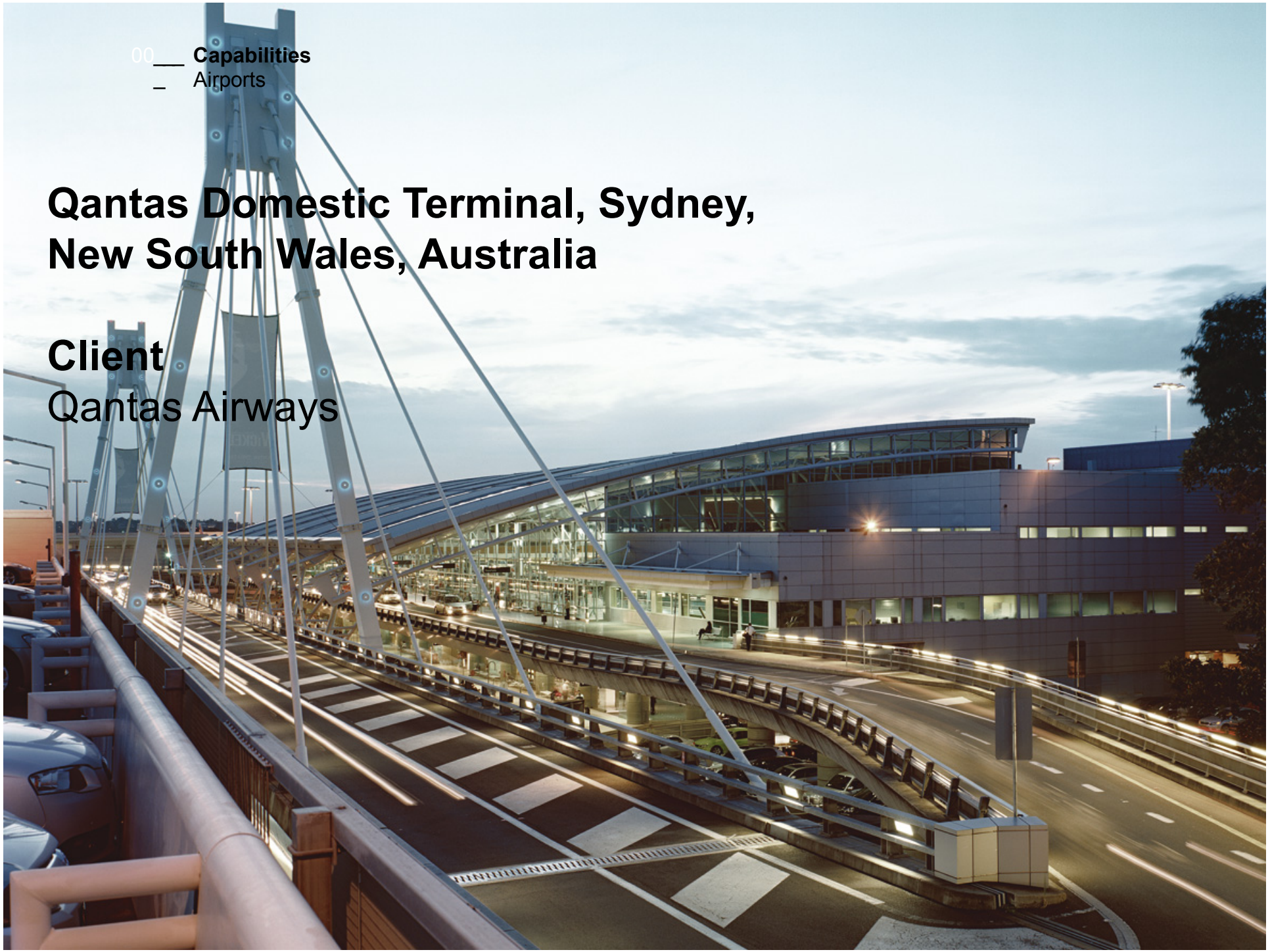
University Hill, Victoria, Australia

Client
MAB Corporation

Qantas Domestic Terminal, Sydney, New South Wales, Australia

Client

Qantas Airways



Harbin Taiping International Airport, China

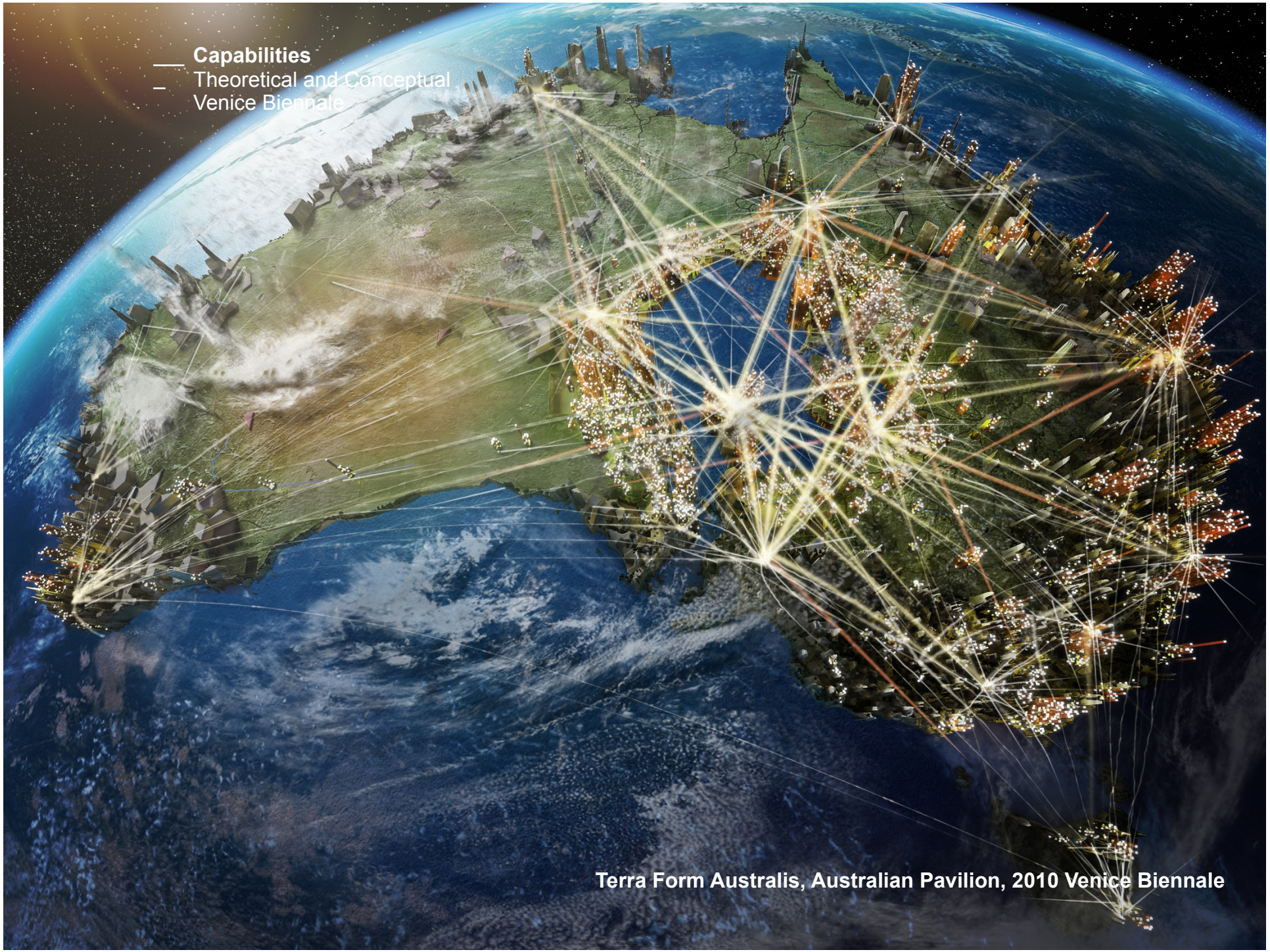
Client

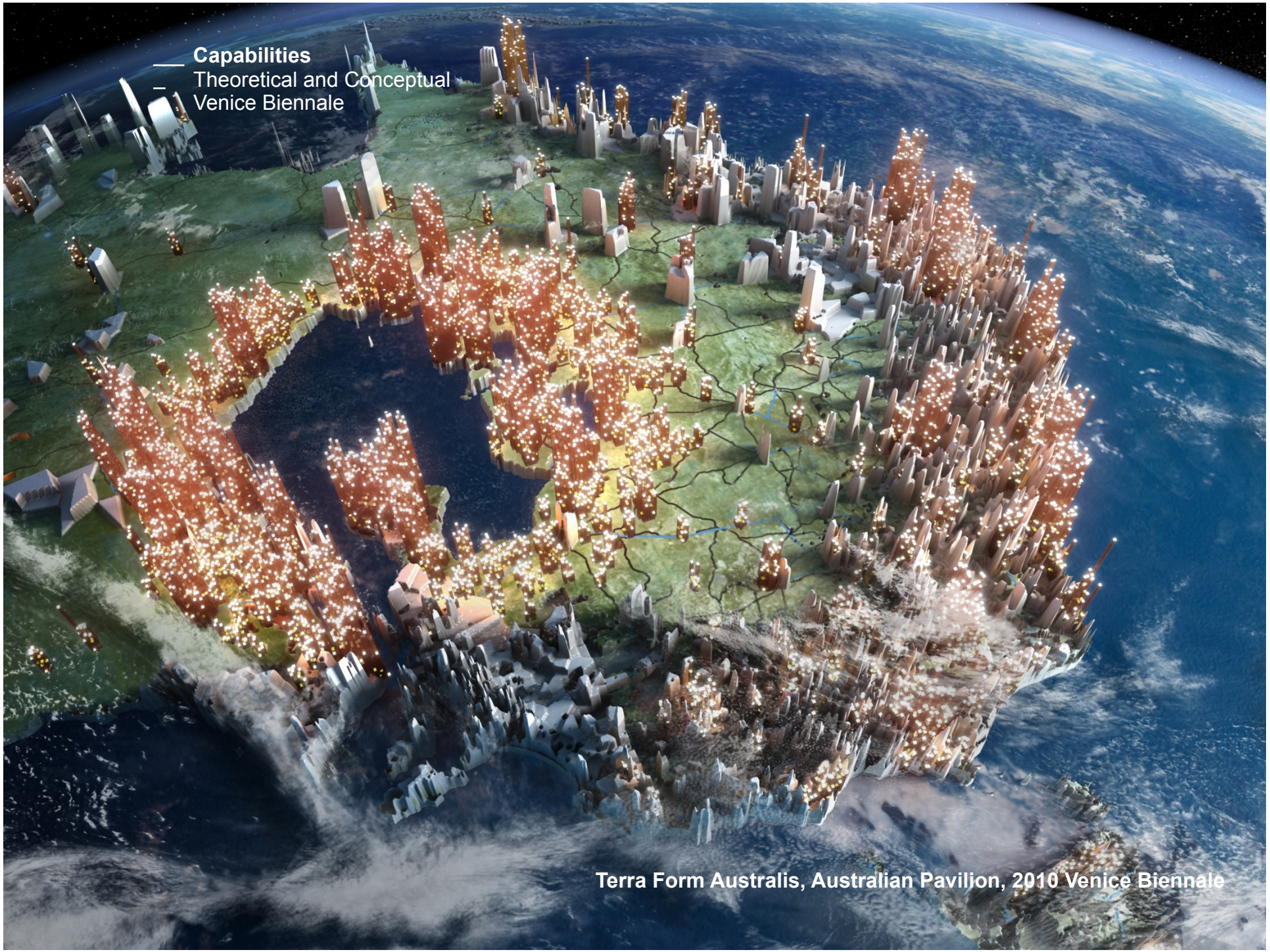
Heilongjang Airport Group

Terra Form Australis - Australian Pavilion, 2010 Venice Biennale

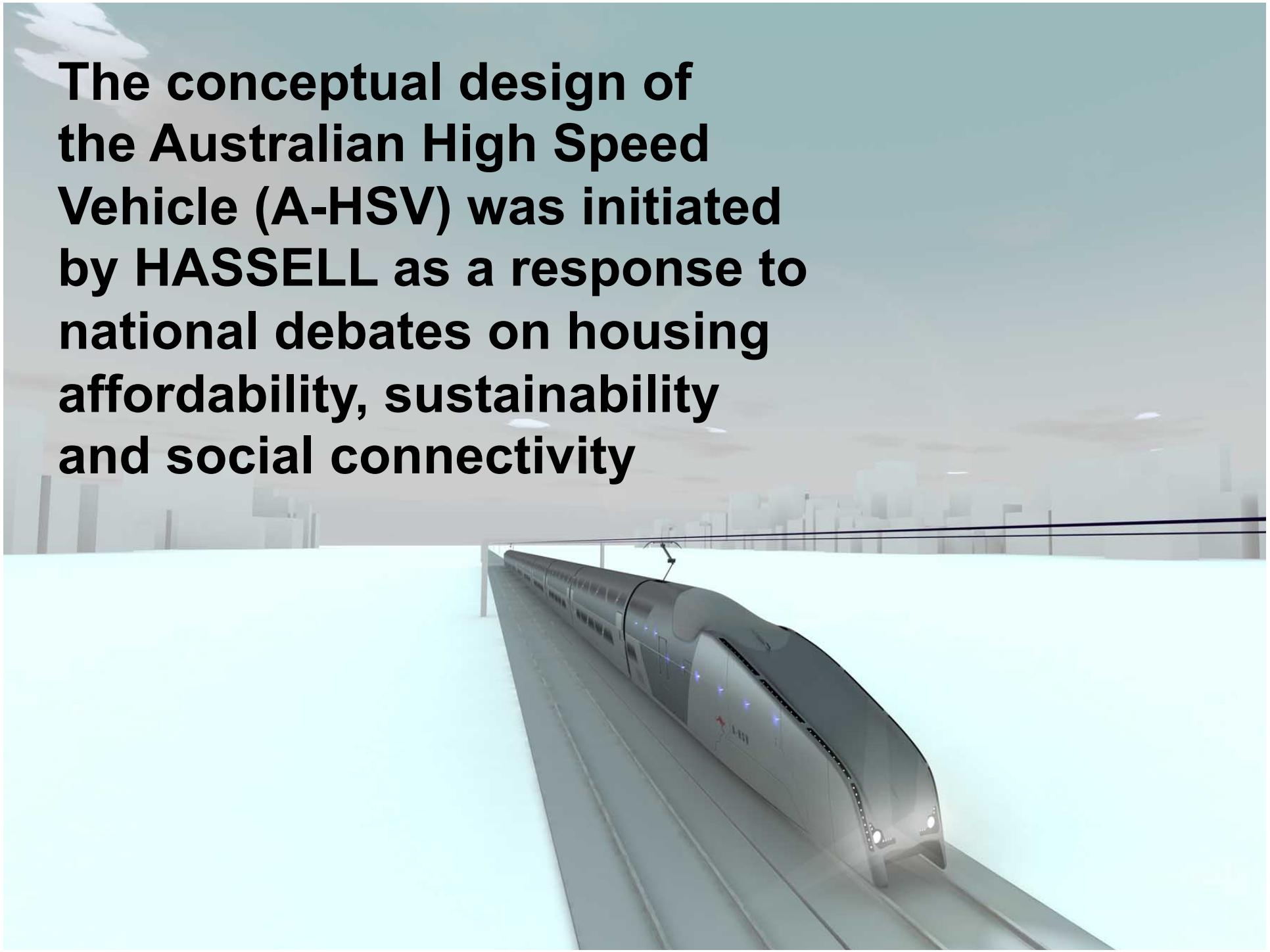
Collaboration

Holoprint /
The Environment Institute

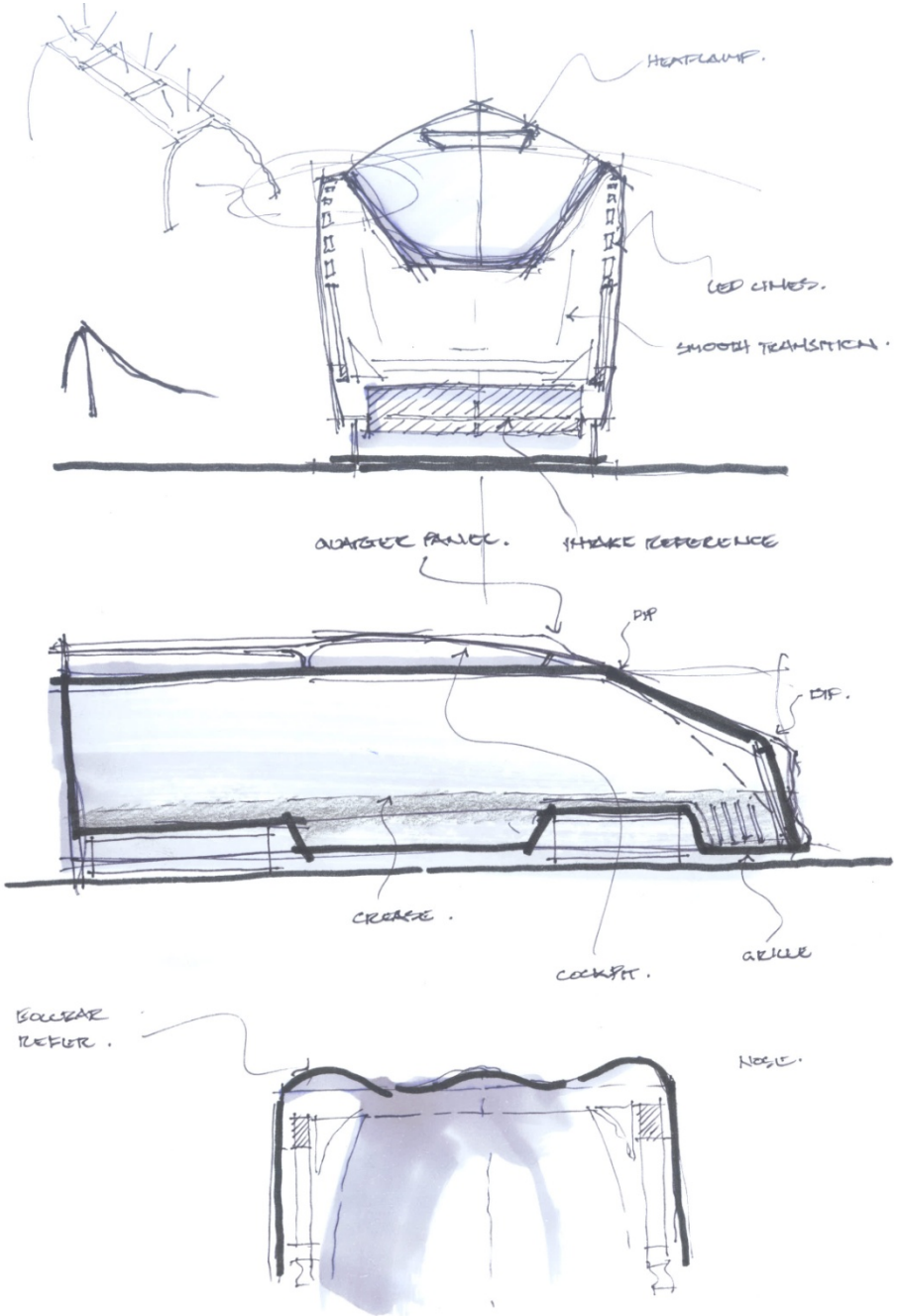

Capabilities
Theoretical and Conceptual
Venice Biennale
Terra Form Australis, Australian Pavilion, 2010 Venice Biennale

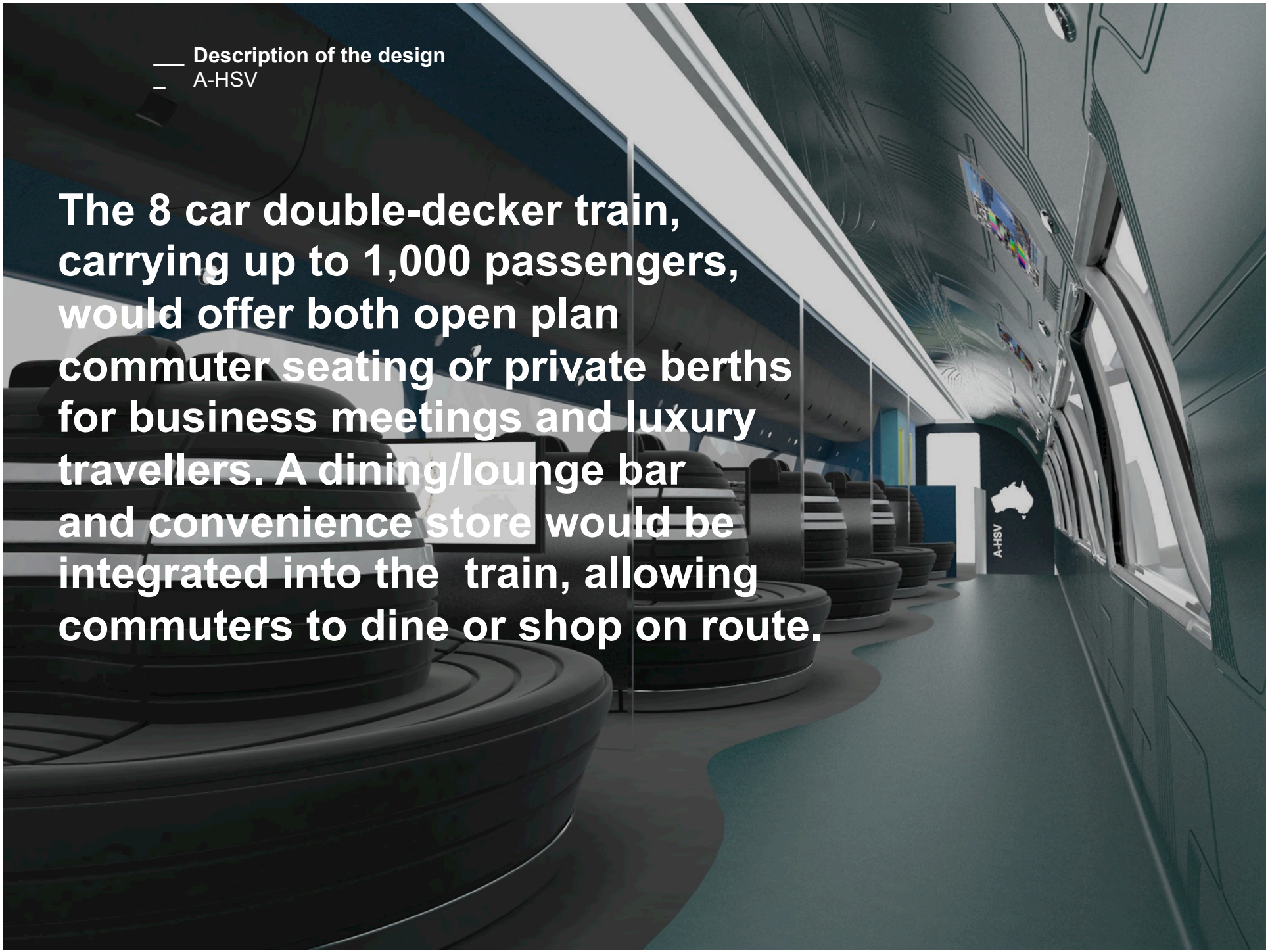

Capabilities
Theoretical and Conceptual
Venice Biennale
Terra Form Australis, Australian Pavilion, 2010 Venice Biennale

The conceptual design of the Australian High Speed Vehicle (A-HSV) was initiated by HASSELL as a response to national debates on housing affordability, sustainability and social connectivity

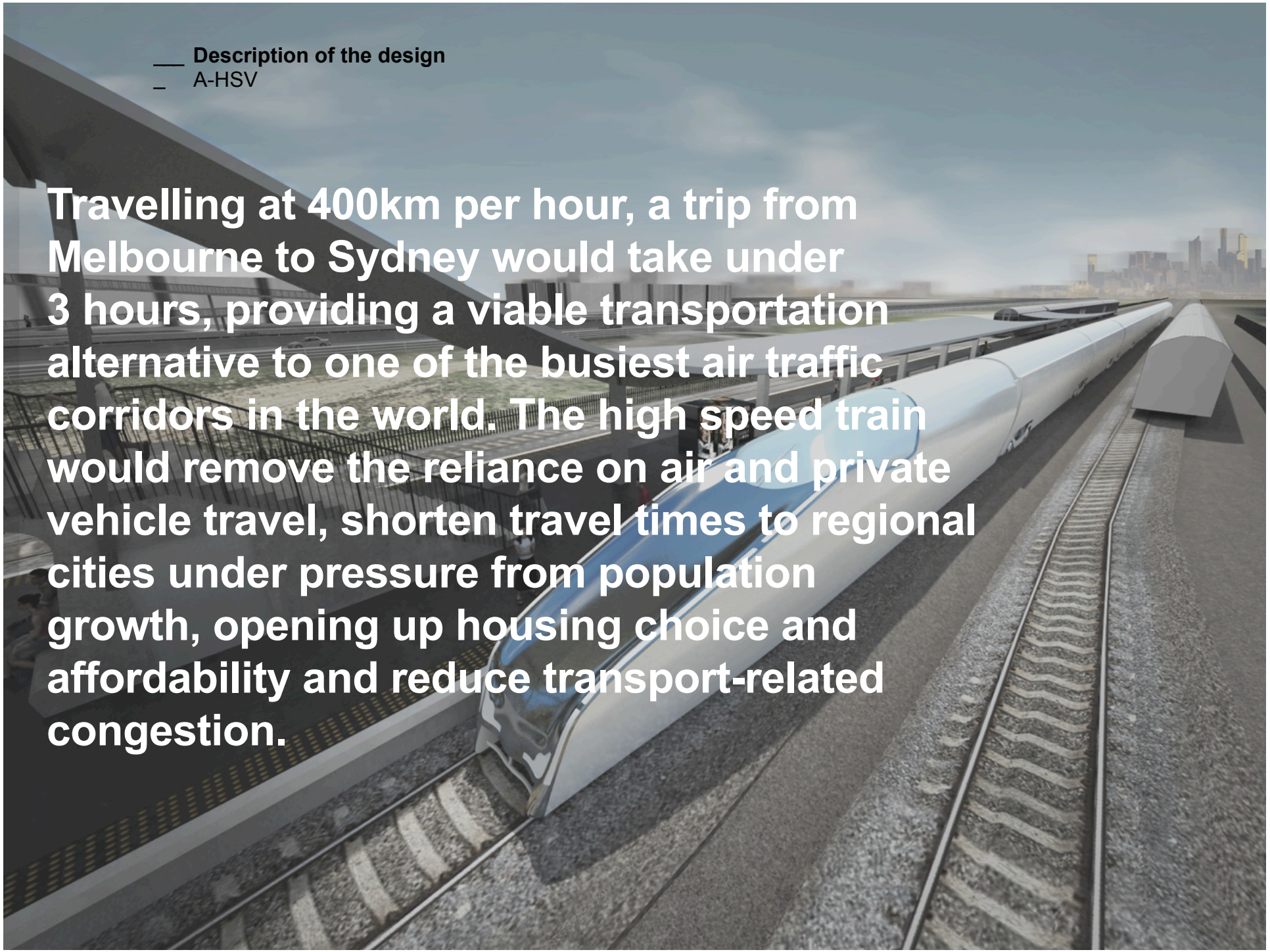


Inspired by the brut lines of the iconic Australian 1960's HK Monaro car, the A-HSV has been designed to be responsive to the Australian context. It presents an innovative low-carbon, safe mode of transport between Australian cities.





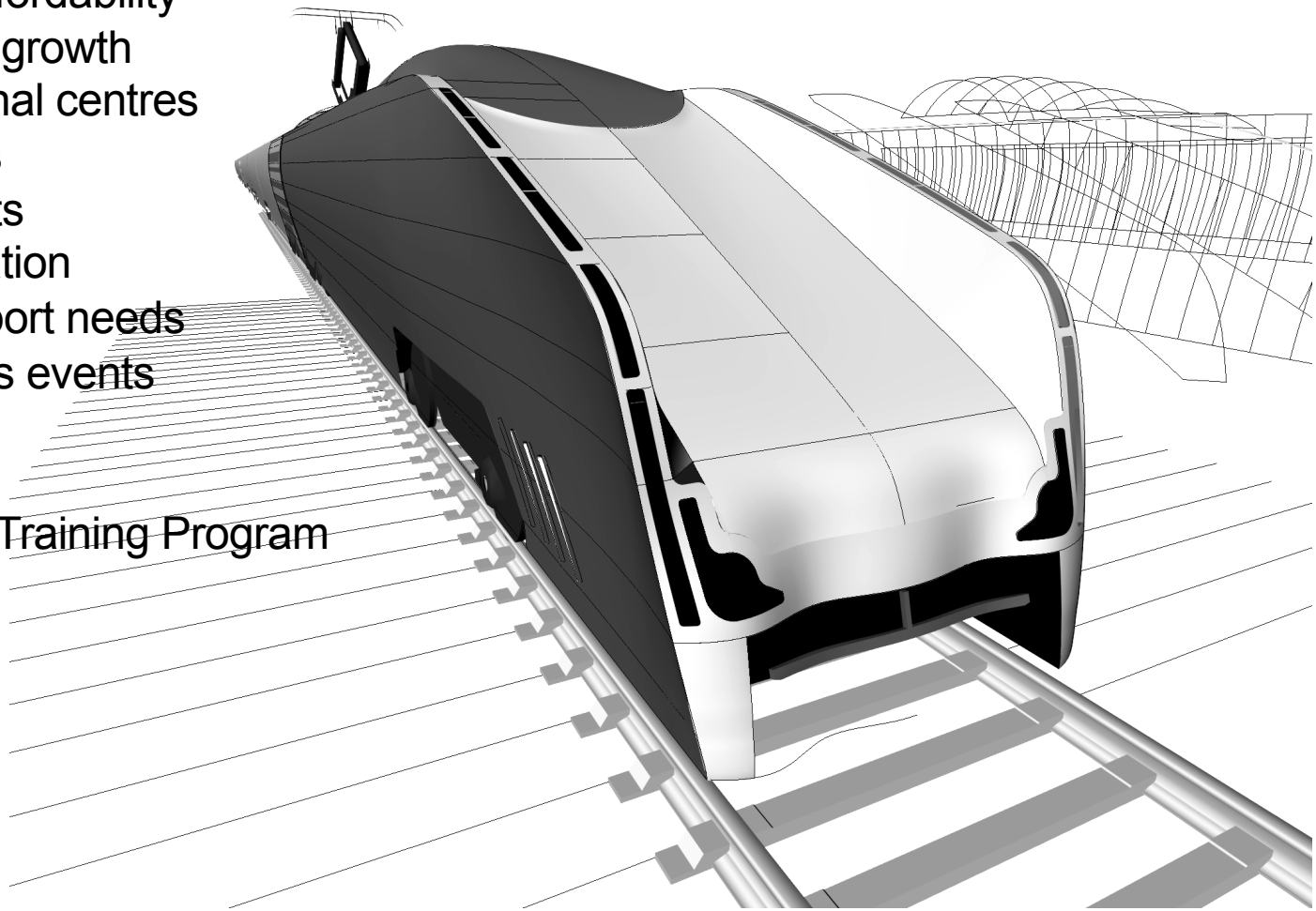
The 8 car double-decker train, carrying up to 1,000 passengers, would offer both open plan commuter seating or private berths for business meetings and luxury travellers. A dining/lounge bar and convenience store would be integrated into the train, allowing commuters to dine or shop on route.



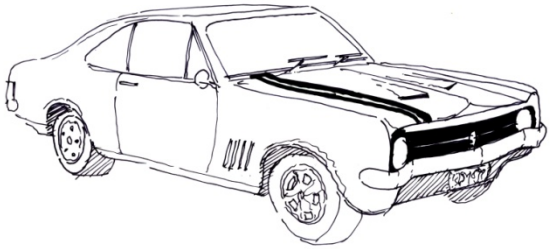
Travelling at 400km per hour, a trip from Melbourne to Sydney would take under 3 hours, providing a viable transportation alternative to one of the busiest air traffic corridors in the world. The high speed train would remove the reliance on air and private vehicle travel, shorten travel times to regional cities under pressure from population growth, opening up housing choice and affordability and reduce transport-related congestion.

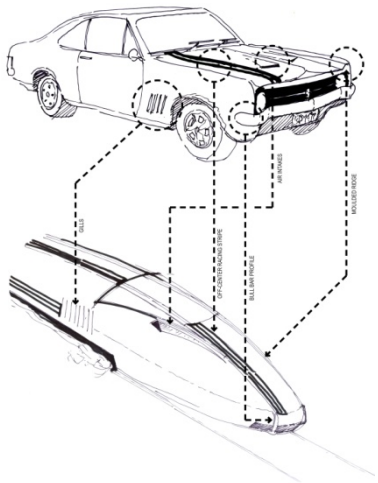
Concept objectives

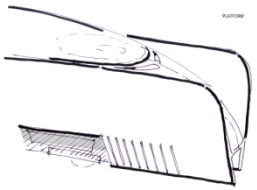
_Carbon emission reduction
_Access to housing affordability
_Projected population growth
_Connectivity to regional centres
_Reduced travel times
_Decongestion benefits
_Efficient freight operation
_Meeting future transport needs
_Tourism and business events
_Employment benefits
_Safety benefits
_HASSELL Graduate Training Program
_Hot HASSELL

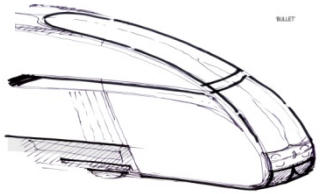


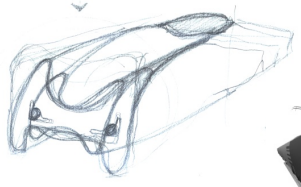
___ Inspiration
_ A-HSV

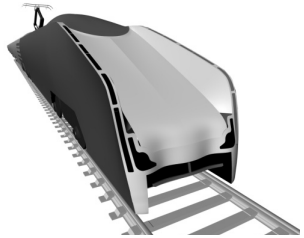


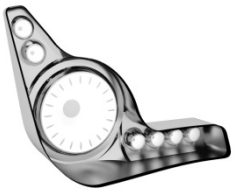


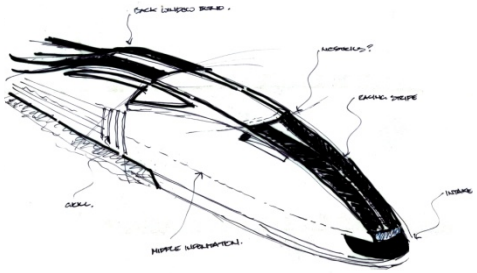


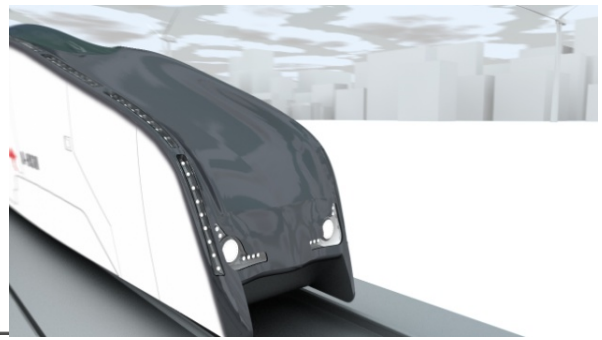


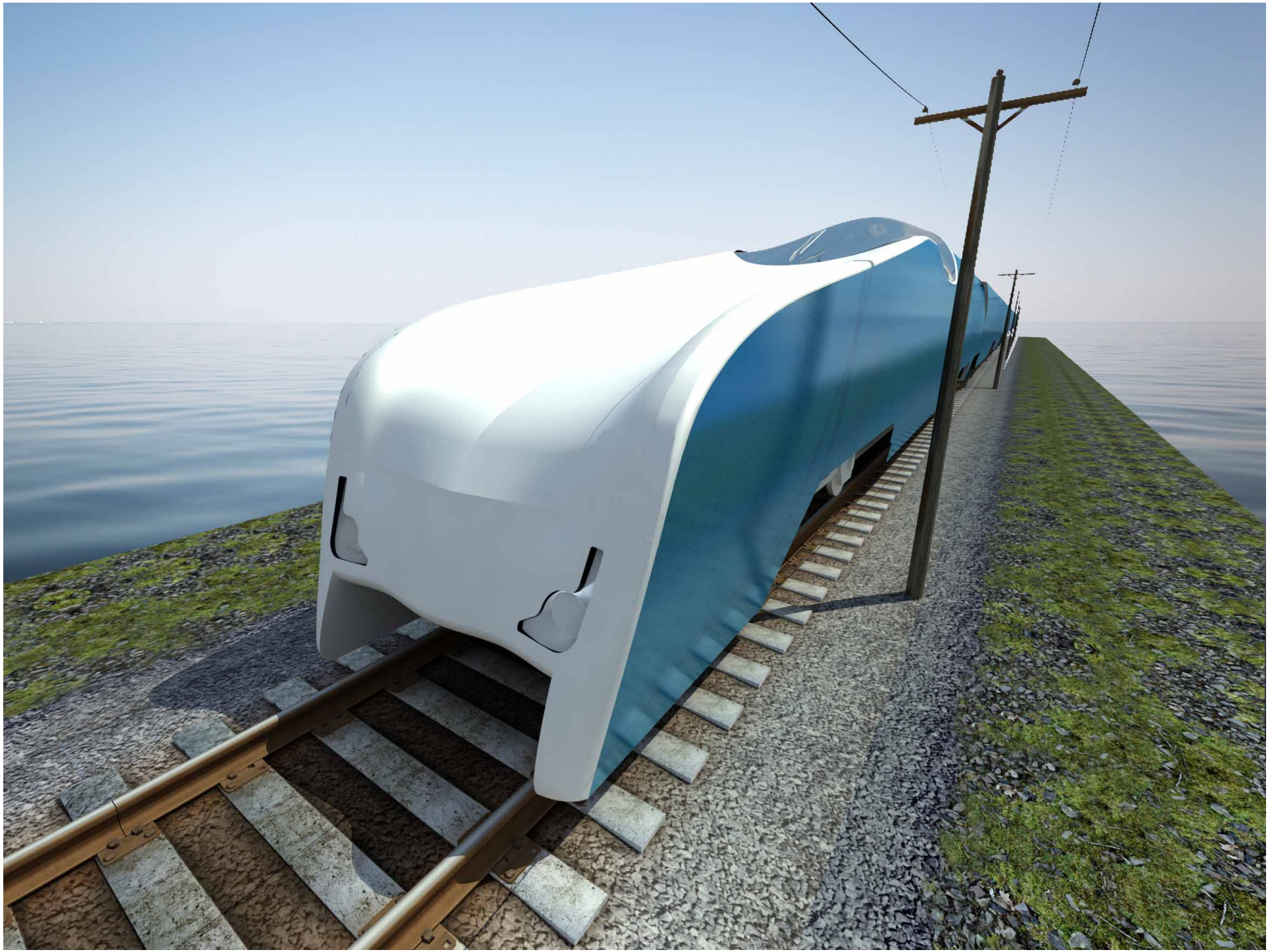


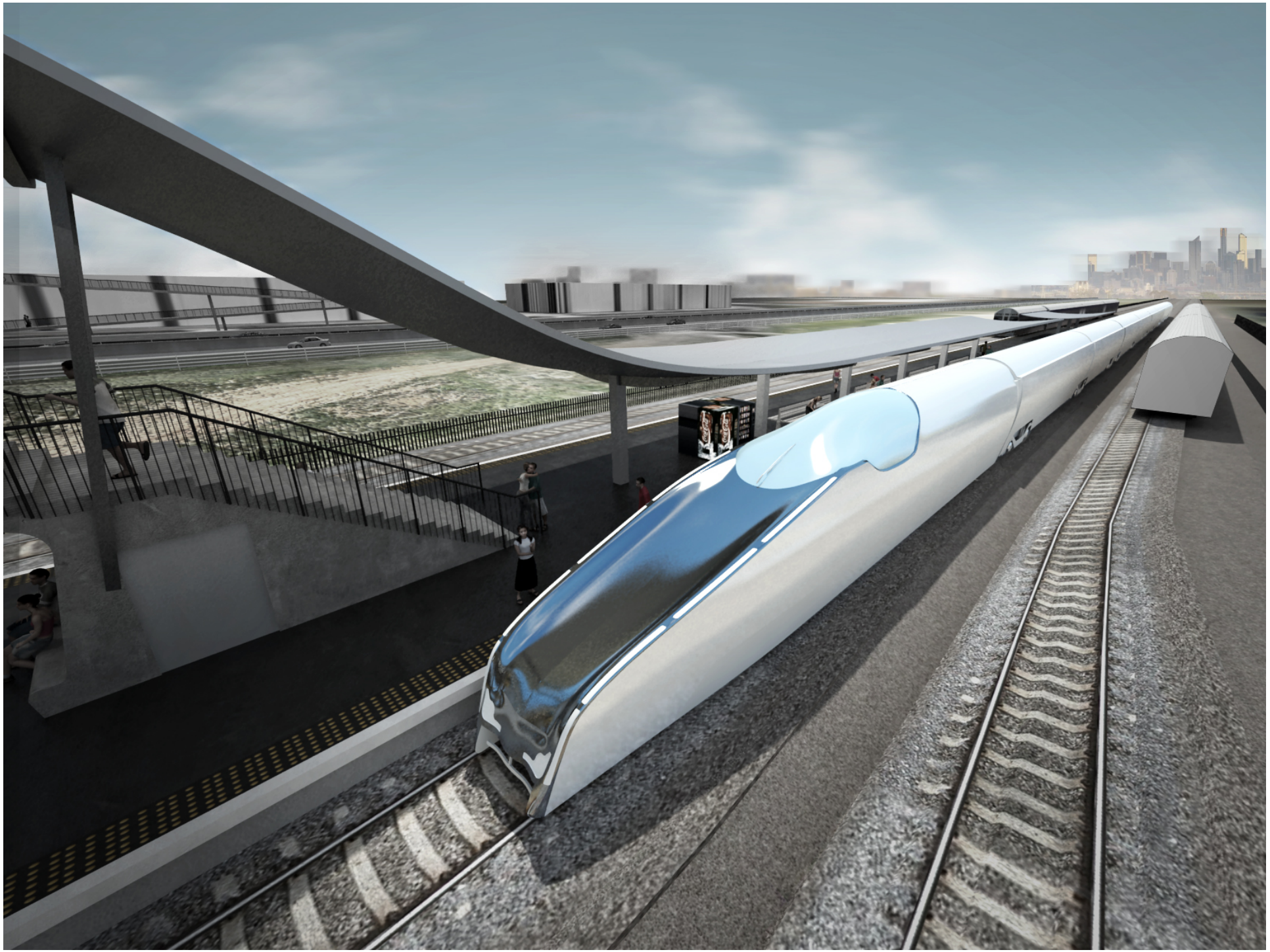






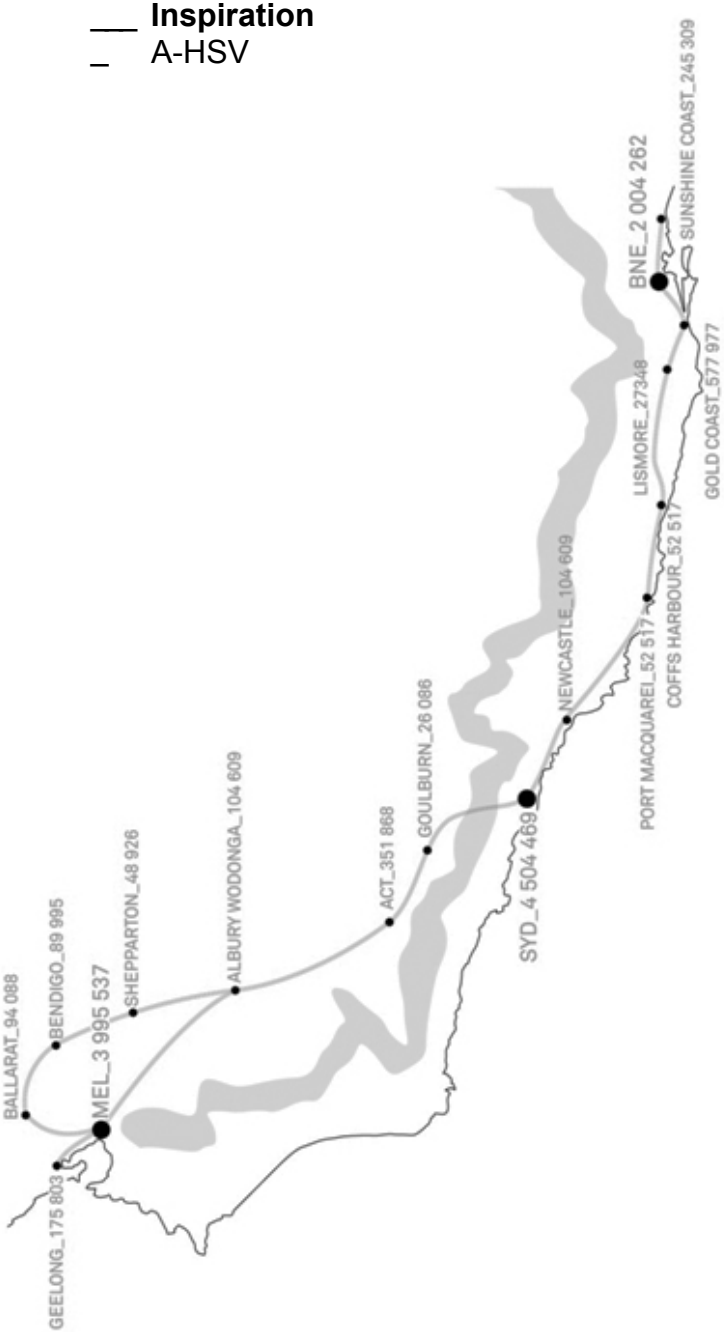




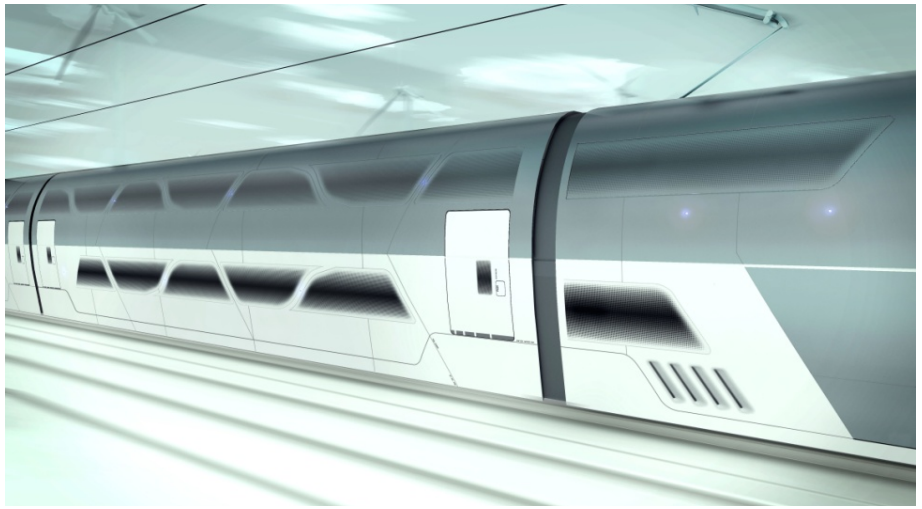


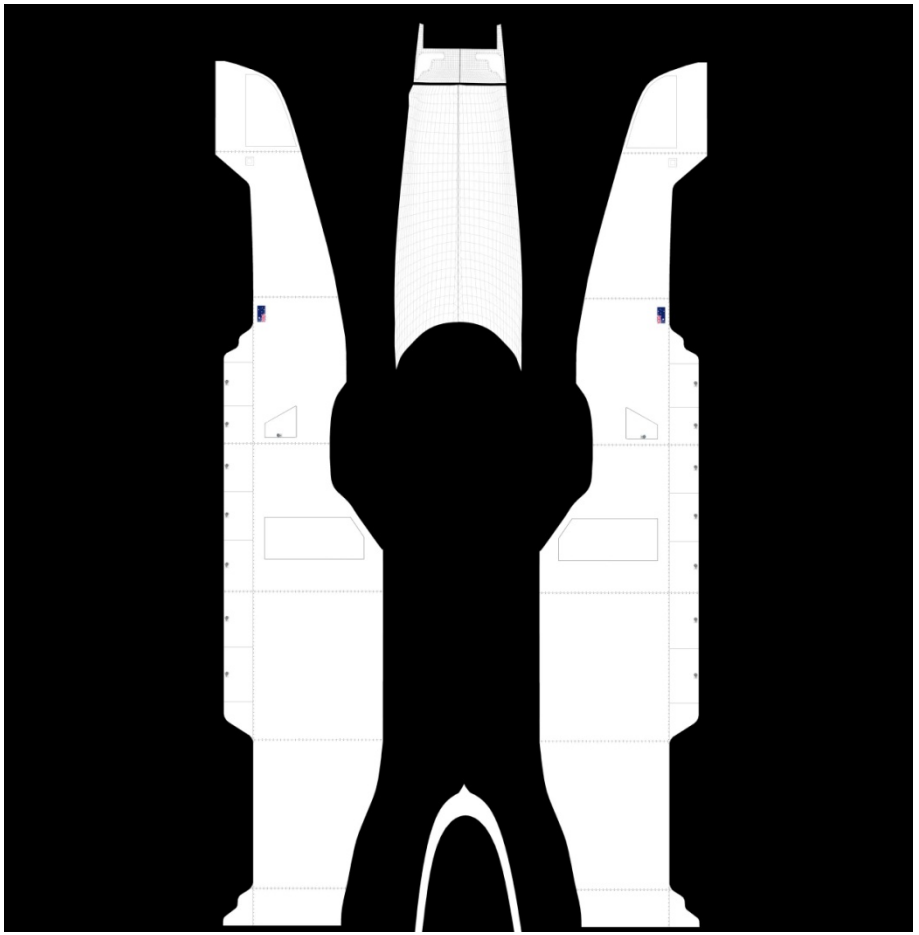
___ **Inspiration**
_ A-HSV

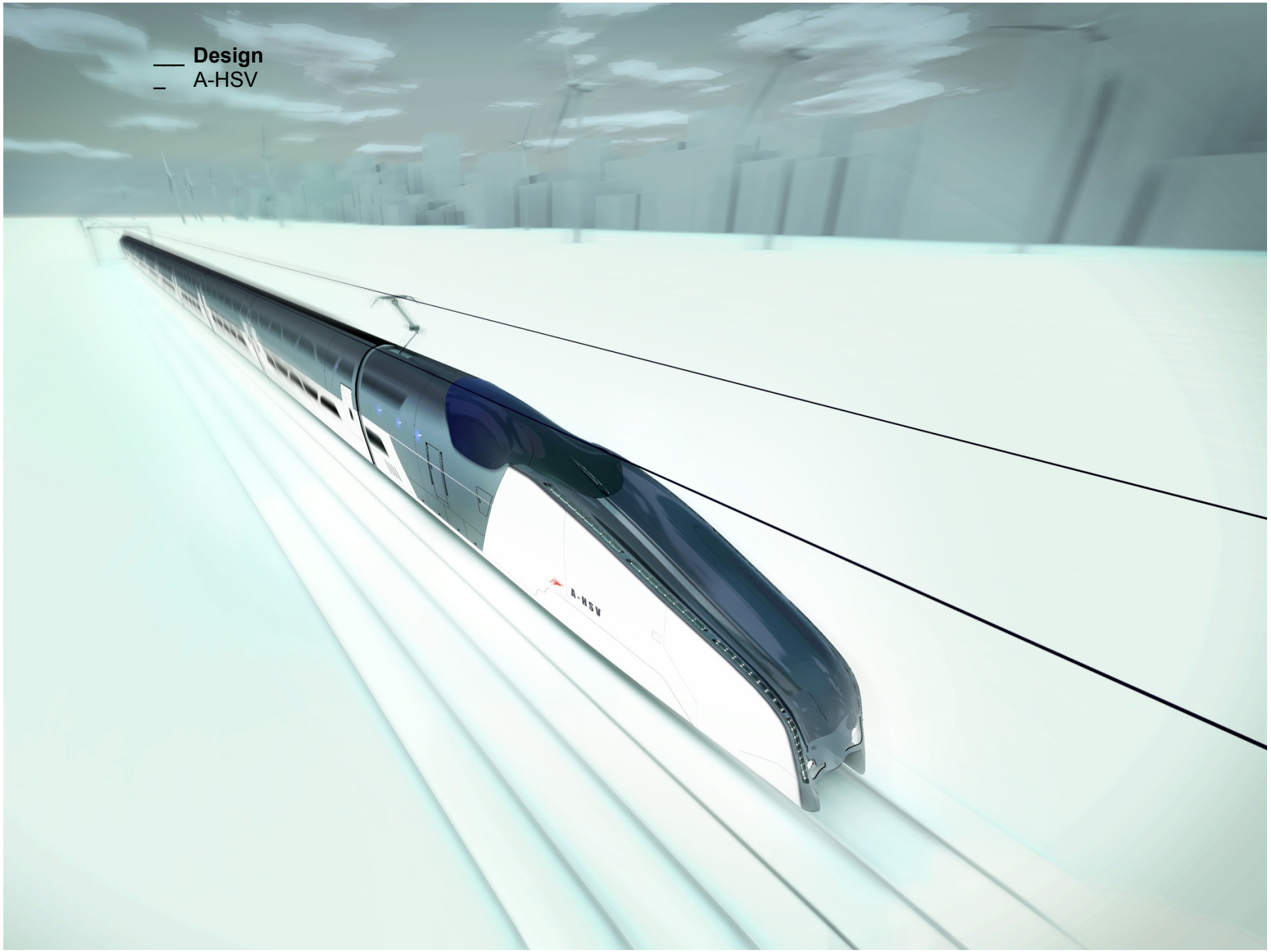
___ **Inspiration**
_ A-HSV



Design
A-HSV

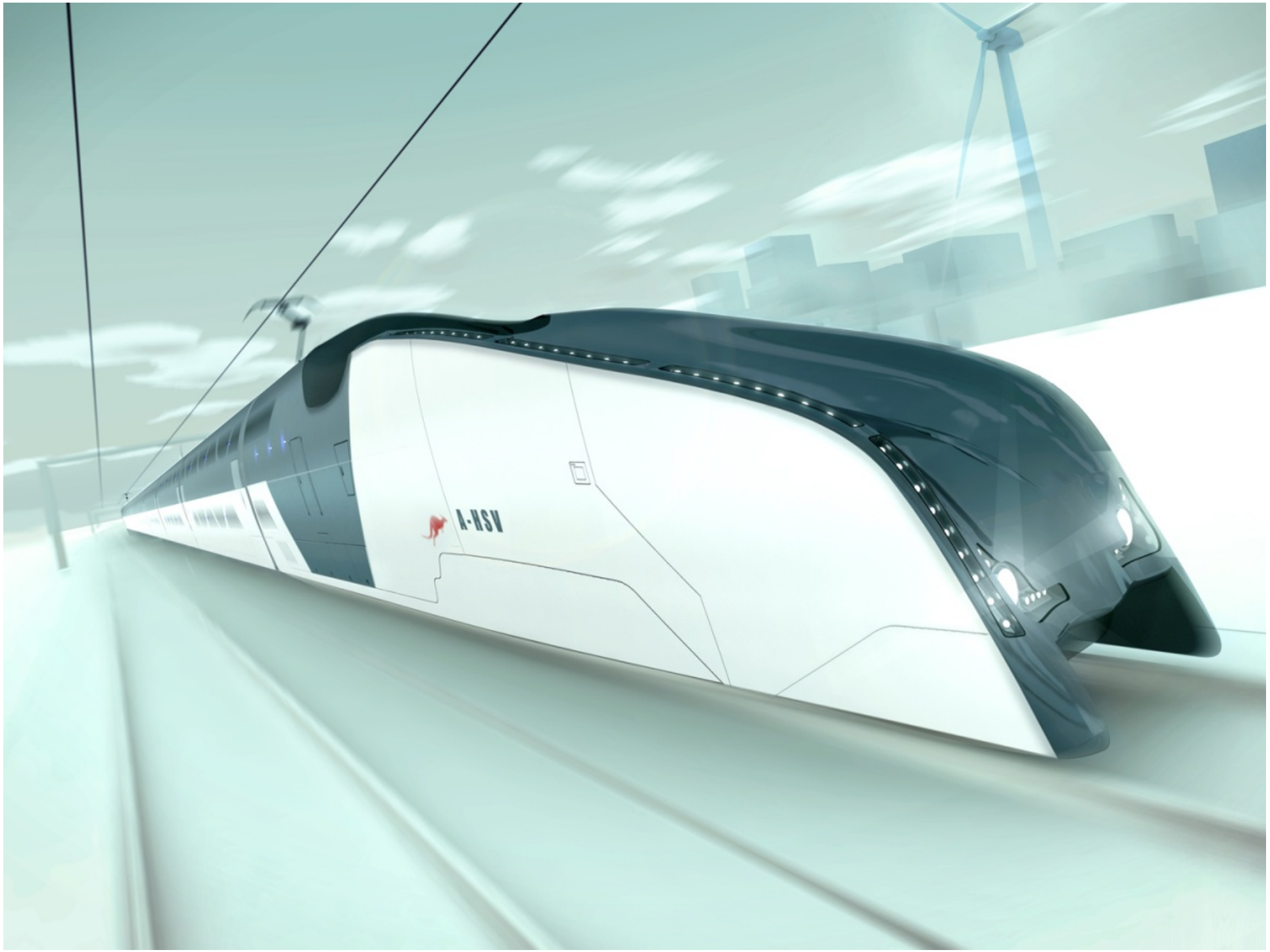





A-HSV

A-HSV

Design
A-HSV
Townsville
Alice Springs
Brisbane
Hardy
Dam
Pond
E 36th St
S Elm Ave


A-HSV