

April 2020 - September 2021

This project aims to help deliver the new concept of Transit Activated Corridors (TAC's) which are main road corridors refurbished to provide higher capacity new technology transit integrated with higher density urban regeneration and affordable housing projects. Best practice tools and case studies will be provided through a multimedia digital communication package that will be interactive and accessible to industry and government, addressing decision-makers and practitioner needs.

Objectives

This project will create better planning, assessment, procurement, engagement and governance tools for new transit activated corridors featuring innovations in technology and new urban regeneration processes. To do this it will:

1. Evaluate TAC Case Studies in Different Urban and Regional contexts. It will show how new TAC's can be delivered to provide greater housing choice and transit opportunities using new assumptions, models and assessment frameworks, in different parts of Australian cities and regional towns.
2. Consider the Best Enabling Frameworks for a TAC Business Case. It will evaluate how emerging technologies in transit, electric micro-mobility and precinct design fit into new approaches to corridor refurbishment that integrate housing and transit, such as the mobility as service paradigm (MaaS), place and movement (P&M) strategies, and Sustainable Urban Mobility Plans (SUMPS). Assess new planning tools like SNAMUTS, and value uplift modelling, as well as factors such as health and well-being assessments in Cost Benefit Ratios. It will include how new tele-commuting technologies can reduce the need for travel post-COVID-19.
3. Develop a TAC Tool Box for Professional Development. New multimedia tools (especially post-Covid) will be used to create communications opportunities for the new corridor and precinct technology assessments, new approaches to corridors, new models, new assessment processes and their detailed elaboration in case studies. They will be made available showing how to deliver better urban outcomes, particularly related to delivering urban regeneration (including how to deliver diverse affordable housing options) and innovative transport technologies.

Industry Outcomes

The project will:

1. Supports development of innovation in how to create more sustainable, productive, liveable, affordable and healthy outcomes in urban form and transport systems through a new approach called Transit Activated Corridors.
2. Case studies involving private sector and government interests will demonstrate how to deliver these TAC's in different parts of cities and also regional towns.
3. Provide a Transit Activated Corridors Tool Box in a multimedia platform that will be available for professional development and capacity building.

Image: Visualisation of potential urban development form in Liverpool LGA on FAST Corridor - Liverpool City Council, Sydney (2020) 'FAST Corridor Design Framework'



Professor Rob Adams AM
Chair, Project Steering Group
Director City Design and Projects, City of Melbourne



Professor Peter Newman AO
DipES&T BSc(Hons) PhD FTSE
Project Leader, Curtin University
p.newman@curtin.edu.au



Dr Mike Mouritz
BSc(Hons) PhD
Project Manager, Curtin University
mike.mouritz@curtin.edu.au

