Smart Cities and Infrastructure

Asset Management Masterclass

TRAINING

Enhancing the Delivery and Management of Infrastructure

Facilitated by
JOHN HARDWICK
Executive Director Asset Management
Transport for NSW (TfNSW)

Online → **26 Oct 2022** | 10am – 2:30pm AEDT
2 Nov 2022 | 9am – 1:30pm AEDT

PUBLIC SECTOR NETWORK

Certified **B** Corporation

Enhancing the Delivery and Management of Infrastructure

Over the coming years, asset and infrastructure management will become critical due to an increased investment in infrastructure portfolios across jurisdictions.

The age profile of existing infrastructure, population growth, climate change and increased prevalence of extreme weather events, will place considerable pressure on the operations and maintenance of assets, with the public sector needing to find new and innovative ways to develop, operate, maintain, upgrade and dispose of infrastructure.

As digital technologies continue to transform the public sector, smart solutions are being developed to help manage and maintain a growing amount of public infrastructure. For government, smart asset management systems streamline operations while extracting insights into asset life cycle costs, performance, risk and economic modelling.

To achieve a consistent and improved approach to asset planning and delivery, the public sector must prioritise the gradual, result-driven integration of smart management systems. Ultimately, public assets need to be easily reviewed and amended according to changing demands, in turn providing citizens with livable and sustainable infrastructure.

Through an innovative mix of lecture-style presentations, interactive group exercises and expert feedback, the **Asset Management Masterclass** will empower participants to leverage digital and data to manage their agency's infrastructure portfolio. Attendees will strategise an outcomes-led approach to systems transformation, while identifying, analysing and workshopping cultural, digital and technical deficits impeding productivity.

Under the guidance of our expert facilitator, this training session will help attendees to tackle heightened expectations, fluctuating demand, growing portfolios and changing operational environments. Participants will leave with both theoretical and practical knowledge, as well as implementable strategies they can embed in future projects and share with their multidisciplinary teams.

Not Just a Training Session

- **Create fruitful partnerships** – collaborate with key stakeholders to enable infrastructure development across jurisdictions, LGAs and borders

- **Improve engineering capabilities** - leverage Artificial Intelligence (AI) and Digital Engineering (DE) technologies to anticipate disruptions, forecast costs and enhance infrastructural design

- **Maintain, operate and upgrade assets** – use Digital Twins and predictive analytics to allocate resources, upgrade data sets and manage project budgets

- **Develop multidisciplinary teams** – deliver holistic assets by combining technical, strategic and regulatory expertise in collaborative teams

- **Ensure compliance and regulation** – design governance strategies that reduce red tape, automate reporting, minimise duplication and accelerate compliance processes

Who Attends

The **Asset Management Masterclass** has been specifically designed for public sector professionals working in infrastructure, asset maintenance, building, development, place making and cities. It has been designed to equip participants with implementable strategies to better inform decision-making, identify areas of focus and drive outcomes-based digital transformation.

The course is suitable for any public sector professional seeking to better manage their agency's asset portfolio by strategising the implementation or smart management systems. It's also suitable for public servants who are early in refurbishment and renewal projects and want to maximise their investments by discovering how to add value to existing assets.

Meet Your Facilitator

JOHN HARDWICK
Executive Director Asset Management
Transport for NSW (TfNSW)

John is the Executive Director of the Asset Management Branch at Transport for NSW and is responsible for leading and enabling transport service outcomes for customers and communities through effective whole of life asset management. John was previously the Executive Director, Sydney Division for the former Roads and Maritime Services where he lead the division's first Strategic Asset Management Plan and the implementation of full battery electric vehicles into Sydney division's passenger fleet. John has a background of over 30 years in asset management within the electricity and transport industries, is a passionate leader of organisational improvement in asset and operational risk management and has implemented world class asset management strategies and systems to manage risk and provide value for customers and communities.

John is a graduate of the Australian Institute of Company Directors and serves as a board member for numerous global and Australian asset management organisations and co-authored the book Living Asset Management. In 2018 John was awarded the MESA medal by the Asset Management Council. The MESA Medal is awarded to an individual who has personally contributed at the highest level to the advancement of the science and/or practice of asset management.

Preparation

This workshop is highly interactive with group activities and discussions throughout. Come prepared with some current challenges you are facing in your organisation.

To participate you'll need:

- A computer with camera and microphone
- Strong internet connection
- Quiet, well-lit space
- Current challenges you are facing

Register Early & Save

Extra Early Bird	Early Bird	Standard Price
8 Passes Available	8 Passes Available	6 Passes Available
$595 + GST	$795 + GST	$995 + GST
Save $400	Save $200	-

CLICK HERE TO REGISTER

*Group Discounts Available - Contact Registration at

registrations@publicsectornetwork.co or Call on **(02) 9057 9070**

Explore the Agenda

DAY ONE: Wednesday, 26 October 2022

Module One – Fundamentals

10:00am   **PSN Welcome and Introductions**

10:10am   **Training Overview, Objectives and Outcomes and Icebreaker**

10:20am   **An Introduction to Asset Management**
- Overview of asset management, its principles and terminology, and the expected benefits from adopting a smart management system
- Review of International Standards Organisation (ISO) and policy across jurisdictions
- Explore the benefits of asset management and how it can extract value from agency's asset base to maximise investment

11:00am   **Best Practice in Asset Management**
- Strategise how to establish, implement, maintain and improve asset management systems within existing frameworks and legacy systems
- Establish asset management policies, objectives, processes and governance to align with strategic goals
- Embed a culture of proactive and continual improvement to drive the realization of value from assets

11:40am   **Breakout Activity:**
Analyse your agency's asset management activities and benchmark against best-practice to identify areas for improvement

12:00pm   **Break**

Module Two – Managing Growth and Realising Value

12:30pm   **Leveraging Asset Information to Improve Decision Making Capabilities**
- Discover how to leverage asset information in decision making across investment, renewal and maintenance
- Use real-time data to predict demand, maintenance, usage and disruptions, and delegate resources to support a growing infrastructure portfolio within your agency
- Extract value from emerging technologies in asset management systems, such as Artificial Intelligence (AI), cloud-based project management, Digital Twins and Internet of Thing (IoT)

1:00pm   **Maximising Infrastructure Investment by Adding Value to Assets**
- Brainstorm innovative ways of monetising existing assets such as third-party advertising and telecommunications hosting
- Maximise the taxpayer dollar by mapping ROI against depreciation, and create a fiscal operating picture to inform future investments
- Explore opportunities in refurbishment and renewal programmes, while using an outcomes-based approach to align projects with end-uses

2.00pm   **Breakout Activity:**
Brainstorm areas for value-add in your agency's projected infrastructure portfolio and calculate potential ROI to support business cases

2:30pm   **End of Day One**

DAY TWO: Wednesday, 2 November 2022

Module Three – Application & Evaluation

9:00am **Group Project: Project Brief – Map your Future Infrastructure Portfolio**
- Breakout into groups for a hands-on learning experience
- Harness both theoretical and practical mapping knowledge and apply it to your agency's asset ecosystem
- Work on government case studies and explore leading examples

10:00am **Group Project: Project Application – Use Asset Information to Inform Decision Making**
- Ideate solutions to tackle areas of improvement identified in the first breakout activity
- Share examples and case studies from across agencies to identify suitable solutions for your unique operational context
- Learn how to maximise the value of your digital products by leveraging forecast ROI from the second breakout activity

11:00am **Morning Tea Break**

11:30am **Group Project:**
Project Presentation – Pitch and Share
- Present your mini-project with the group
- Harness asset management strategies, standards and solutions to gain buy-in from leadership and stakeholders
- Benchmark against your peers

12:45am **Group Project:**
Project Review – Evaluation and Feedback
- Peer-review fellow participants projects
- Receive professional feedback and constructive criticism from facilitator
- Discuss best practices and top tips

1:30pm **Summary and Closing Notes from Facilitator**

CONNECTING GOVERNMENT
WWW.PUBLICSECTORNETWORK.CO

AUSTRALIA / NEW ZEALAND
P +61 2 9057 9070
E info@publicsectornetwork.co

USA / CANADA
P +1 (647) 969 4509
E contact@publicsectornetwork.co

PUBLIC SECTOR NETWORK

Certified B Corporation