TechnologyOne

Can we meet Australia's 20-minute commute challenge?

Ensuring that infrastructure investment meets the service level requirements of growing communities with changing demographics is a significant challenge.

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Australia's population is growing fast. According to the Australian Bureau of Statistics, it will increase to more than 28 million people by 2031.[1] And in that year, as a nation we will be investing $377 billion annually in infrastructure to support this growth (up from $187 billion in 2011).[2]

There is increased pressure on infrastructure managers to create infrastructure networks that support a high-quality, first-world standard of living for our future communities.

Australia's current government has acknowledged the need for improved infrastructure networks, recently appointing a Minister for Cities and the Built Environment, who is charged with delivering on a 20-minute commute promise – that is, ensuring no important destination in major urban areas – such as offices, schools or shops – is greater than 20 minutes away by foot, bicycle or public transport. And this is just the tip of the iceberg when it comes to the broader infrastructure challenges we will face as the population grows and changes.

Growing pains: What's holding us back?

Effective long-term infrastructure planning is a multidimensional process that requires a lot of asset knowledge – information such as level-of-service, condition and capacity metrics, for example. Currently, infrastructure planners are being held back from conducting the required modelling, prioritisation and optimisation processes because a common platform for managing this information does not typically exist within organisations.

Similarly, when you move to project delivery, having timely access to infrastructure planning information, in conjunction with a sound project management system to control key metrics – such as those related to cost, scheduling, resources, forecasts and contractors – can heavily influence project success.

In fact, 48 percent of projects, both private and public, "fail to meet their baseline time, cost and quality objectives[3]", largely due to lack of timely, accurate planning information.

And when construction is complete, organisations require a systematic approach to commission, capitalise and hand over assets to the operations and maintenance department.

The pressure is mounting for a better way to ensure we can achieve Australia's 20-minute commute, and beyond.

Ensuring we are making better investment decisions about our infrastructure will require sophisticated data systems to manage asset information across the asset lifecycle, from a common platform across an organisation.

A lifecycle approach for better infrastructure investment

It is the lack of an integrated, lifecycle–based approach to asset planning, delivery and management that is holding us back from delivering the right infrastructure to meet the demands of our changing population.

An integrated approach provides greater transparency and performance of assets across their lifecycle by breaking down knowledge silos and process inefficiencies that traditionally exist when different business units use different systems to maintain discrete business processes.

Properly implemented, an integrated approach provides a holistic view of asset information, risk profiles, budget

Our enterprise software enables access from any device, any where, any time; and either on premise or via the TechnologyOne Cloud.

management, purchasing management, work management, maintenance, materials management and more – all of the areas of your business that need to work together to ensure you maintain a high performing, reliable asset network.

In the past, an enterprise approach was an ideal seldom achieved, but technology has now made it a real and viable option for organisations large and small.

When your works management team is collecting operational condition and failure information for your asset base, you can seamlessly feed this into your optimised treatment modelling for your strategic asset managers to use.

The optimised treatment prediction outputs can then be fed through to your infrastructure planning team to start the formal planning, approval, prioritisation and funding process to land at your forward works program.

With whole-of-life asset cost being such a critical element to manage, control, analyse, model and forecast, enterprise solutions have the distinct advantage over their point competitors, in that they are able to manage these processes in an integrated manner throughout the whole asset lifecycle.

A better way to plan for the future

As the Australian population grows, infrastructure owners need a way to manage processes such as modelling, planning, funding, project delivery, commissioning and operations using one integrated system, to better allocate available funds and manage program and project delivery effectively – especially if we are to meet challenges such as the '20 minute commute'.

1. www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/4102.0Main+Features20Dec+2010
2. http://infrastructureaustralia.gov.au/policy-publications/publications/files/Australian-Infrastructure-Audit-Executive-Summary.pdf
3. http://infrastructureaustralia.gov.au/policy-publications/publications/files/PC_Submission_Attachment_I.pdf
4. https://infrastructure.gov.au/infrastructure/pab/active_transport/files/infra1874_mcu_active_travel_report_final.pdf

What is the 20-minute commute promise?

In 2015, the newly appointed Minister for Cities, Jamie Briggs, issued a '20-minute commute promise', which aims to ensure no residents of major urban areas are more than 20 minutes away from key destination by foot, bicycle or public transport. In his ministerial statement, he also emphasised the need for a national approach to infrastructure investment that **"can lead to positive outcomes for the transport system, the environment, health and liveability".** [4]

For more information, visit TechnologyOneCorp.com

Our approach

Market Focus & Commitment · **Power of One** · **Enterprise Vision** · **Transforming business, making life simple** · **Simplicity, not Complexity** · **Power of Evolution**

Our enterprise vision

The power of a single, integrated enterprise solution

Experience the power of a single, integrated enterprise solution built on a single modern platform with a consistent look and feel.

Market focus and commitment

Preconfigured enterprise software solutions reduce time, cost and risk

A deep understanding and engagement with our seven key markets means we can deliver to our customers integrated, preconfigured solutions that provide proven practice, streamline implementations and reduce time, cost and risk.

The power of one

One vision. One vendor. One experience.

When you invest in a TechnologyOne solution you benefit from a direct relationship with us every step of the way. We do not use implementation partners or value-added resellers. We take complete responsibility for building, marketing, selling, implementing, supporting and running our enterprise solution for each customer to guarantee long-term success.

The power of evolution

An enterprise solution that adapts and evolves

Substantial investment into R&D each year means we provide our customers a strong, continuing competitive advantage through an enterprise solution that adapts and evolves by embracing new technologies, concepts and innovation.

Simplicity, not complexity

Enterprise software, incredibly simple

Software that embraces consumer concepts and expectations to deliver solutions that are incredibly easy to use and remove complexity.

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