

## Data visualisation – the new currency of the water industry

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Asset intensive organisations such as TasWater are actively embracing digital transformation. TasWater recently implemented an enterprise asset management system along with Mobility (EAM) which is generating more data than we have ever had. However, linking this data with our other business systems and, more importantly, providing meaningful insights from this data to support operational, regulatory and asset lifecycle decision making is key to driving our business maturity. The paper will present TasWater's methodology for business wide data engagement.

TasWater is continuously embracing digital technologies. We are systematically improving data collection and the interconnection of data sources to derive evidence based, defensible decision making and business optimisation. Not only does this support the engineers of the business but it provides a consistent method for community engagement and ensures the business is speaking the same language.

Through the Asset Performance monitoring work, TasWater will present two case studies which yielded positive customer and business benefits. Key to the success of reporting from TasWater's perspective is the ability to interpret, easily understand and interact with data. As such, a visual solution which is intuitive to use, easy to learn and widely accessible is of utmost importance.

As part of TasWater's collaboration suite, access to PowerBI – a business intelligence tool – is widely available and the interface is logical and simple to use. PowerBI can operate with data sources from csv and excel spreadsheets to live links to SQL databases, of which TasWater has many.

Key outcomes of this case study include:

Communication and development of business insights to drive:

- Productivity and optimisation;
- Reduction in Risk through system knowledge;
- Business performance knowledge;
- Removal of ambiguity; and
- Reporting capabilities.