

## What asset related challenges keep you awake at night?

- Will we be able to meet the service levels we committed to our customers? If not, then how much financial and reputational loss will we suffer?
- How confident are we on the level and method of funding we have sought? Would we be able to get additional financing if we exceed our budgets? At what cost?
- Have we paid significantly more while acquiring new assets? Do we know all costs that we will incur over the asset lifecycle?
- Are we extracting the best value out of our asset O&M contracts? Do we have enough levers to deal with non-performance of contractors?
- Do we know which assets are critical to our business? What's the likelihood of them failing? How much will it cost to repair/renew to maintain business continuity?
- Are my assets degrading sooner than they should even upon significant spends? Are our maintenance strategies appropriate or should we consider an alternate option?
- Are our asset performance reports relevant? Are they based on accurate data? Do we have a robust process on data collection, analysis and
- Do we have the right talent to perform various asset management activities? How do we benchmark our existing practices with our peers?

## How have we helped our clients?

We assisted a transport authority owning and managing multi-modal transportation assets worth \$20 billion to help design and build the asset management capability and transform itself into a more asset centric organisation. we performed:

- An independent **maturity** assessment of the existing asset management practices.
- An **integrated framework** to manage and provide continuous improvement to their asset management lifecycle
- A detailed **strategy and robust change programme** to enable the newly designed framework
- A **project office** to support and monitor implementation and achieve PAS55 certification

## Our team

Our multidisciplinary team in the Middle East includes **asset engineers, management consultants and finance/ accounting specialists** with extensive experience across a range of infrastructure sectors including **water/ wastewater, power, oil & gas, energy, transport, telecoms, healthcare, municipality and real estate.**



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## Capital Projects & Infrastructure

### Asset Management Services

Asset Management Services



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**“Latest asset management practices can help optimise the capital expenditure on your infrastructure assets by 30-80 % over their lifecycle”**



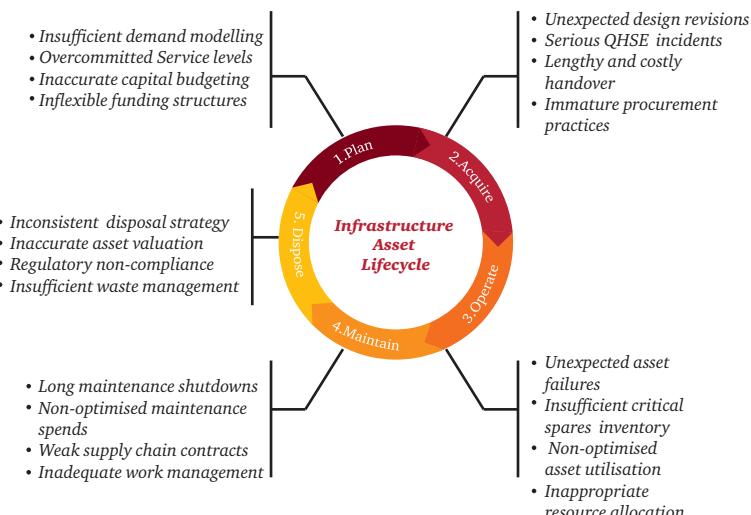
A lot of money has and will continuously be spent to acquire large and complex infrastructure assets around the world. And even larger sums of money will be reserved every year for the continuous operations and maintenance of these assets to be able to realise the desired level of service.

With ever increasing pressures on governments to demonstrate accountability on spending state or public money on infrastructure assets, many regulators have started enforcing compliance to latest Asset Management thinking enhancing governance arrangements to large capital expenditure. Following this development, many private sector organisations have also already begun to focus on improving their Asset Management practices to achieve optimisation across asset performance and costs.

Organisations are taking a lifecycle view of their assets, aligning top-down aspirations and bottom up realities / opportunities and adopting an integrated management systems approach in order to adopt an asset-centric business model. New standards, like PAS55, considering other best practices from across sectors are fast emerging to provide a credible source of references for organisations looking to embark on their journey to Asset Management excellence.

## Asset lifecycle – Key risks

Managing the complex and expensive assets of your organisation can pose a range of risks along their lifecycle which can affect the overall performance of your business.



It is therefore important that asset owners and managers start taking a strategic view of the asset management capability within their organisation. This justifies the need for a dedicated Asset Management (AM) function and a cultural shift becomes necessary across the rest of your organisation.



## How can PwC help ?

**PwC has considerable experience and capability to advise organisations on issues related to the management of their infrastructure assets.**

We work alongside asset owners, operators and managers at all stages of an asset's lifecycle, from conducting asset whole-lifecycle costing studies and devising procurement strategies at the time of acquisition, to performing failure risk assessments and optimising maintenance spends during service. Additionally, we assist our clients in performing maturity assessments on competency levels of staff, processes and systems to identify the gaps in achieving excellence in managing assets and also assisting in the implementation of these improvements to achieve tangible and practical outcomes.

PwC's unique network of external advisors, partnerships and linkages with other specialised entities in the area of Asset Management enables it to become a one-stop-shop for a point solutions or a comprehensive Asset Management transformation initiative to our clients using our proprietary **Assess, Design, Apply and Monitor** framework.

### Assess

- AM Maturity Assessment and plan
- Benchmarking and site-visits
- Asset data quality and reporting review
- Asset lifecycle risk assessment

### Design

- AM framework including standards, practices, etc.
- Best practice AM lifecycle processes and controls
- AM organisation, training and governance methods
- AM technology architecture

### Apply

- AM Strategy rollout office
- Asset operations and maintenance procurement advisor roles
- Asset disposal transaction support
- Change Management support

### Monitor

- AM systems implementation monitoring
- PAS 55 pre-certification review
- AM internal audits
- Asset monitoring and reporting