

Digital Twinning Australia

147 Pirie Street Adelaide
130 Pitt Street Sydney
+61 8 8232 3966

www.digitaltwinningaustralia.com.au
hub@digitaltwinningaustralia.com.au
ABN: 12 709 445 156



Digital Twinning Australia [DTA] is an Australian leader in applied Industry 4.0 and dynamic digital twinning for strategic project and asset management. DTA is an Australian woman-founded, owned and operated business focused on optimising cost to deliver products and services. Our coupling of Industry 4.0 and digital twinning enables our Clients to uncover new revenue opportunities and further optimise cost to deliver.

DTA's success is all about context, requirement and evidence-based agility. Our value is in reducing the cost to operate while uncovering new revenue streams by focusing on:

- critical asset systems;
- asset life-cycle optimisation;
- reliability centre maintenance; ensuring Client / Customer / Citizen experience is consistent with objectives;
- capital and sustaining capital for strategic planning.



Platform as a Service [PaaS]

At Digital Twinning Australia we build scalable dynamic digital twin platforms or PaaS [Platform as a Service], using common off-the-shelf software products with Industry 4.0 intellect. We work with Clients to:

- Leverage existing architecture, platforms and applications
- Use the least amount of technology to harvest highest value impact
- Maintain the integrity, accuracy and functionality of the platform.
- Uncover new revenue streams



Data as a Service [DaaS]

The maintained PaaS imports live operating data plus accesses historical condition, performance and procurement data from other applications. The PaaS visualises all data specific to a component or system enabling collaboration anywhere, anytime. We work with Clients to:

- Harmonise operating and information technology data sets
- Maintain integrity, accuracy and functionality of critical systems data.



Analytics as a Service [AaaS]

Having live critical system data means machine learning and artificial intelligence analytics become a reality. Digital Twinning Australia's PaaS delivers evidence-based predictive and prescriptive hypotheses; decisions become real-time and evidence based via AaaS [Analytics as a Service]. We provide Clients with:

- Emergent or changing trends highlighted & notified
- Machine learning options drafted for approval and implementation
- Artificial intelligence opportunities highlighted, approved, deployed
- Maintain the integrity, accuracy and functionality of insights.



Digital Strategic
Asset Management



Digital Asset
Systems Performance



Digital Asset
Register



Digital Condition +
Critically Tracking

Digital Asset Management combines strategic asset planning and maintenance for the sole purpose of increasing asset usability, safety and customer experience [Cx.] whilst simultaneously reducing the cost to deliver services and experiences.

Digital Twinning Australia use the latest technologies, commonly found in every organisation, to create a digital twin or replica of your physical asset...a dynamic virtual representation of the built-form. Clients can accurately view - in real time – asset components and systems performance enabling predictive and prescriptive management of the asset's maintenance, resulting in optimal performance and lower cost.

Digital Twinning Australia's platform, offered as a service, paves the way for accurate capital investment modelling of asset life-cycle, including operating expenses, upgrade, refurbishment and replacement at the project, precinct and portfolio levels.

The companies we work with...

“The greatest danger in times of turbulence is not the turbulence itself, but to act with yesterday’s logic.” [Drucker, P.F., 1980]

- Act with tomorrow’s logic

“...insanity, doing the same thing over and over and expecting a different result.” [Einstein, A]

- Want something different

“It doesn’t make sense to hire smart people and tell them what to do; hire smart so they can tell us what to do.” [Jobs, S]

- Hire smart people from Digital Twinning Australia

