



Digital Twin

Driving strategic value from asset data with Digital Twin

Source: NetworkWorld, 31 January 2019



TOP 10

STRATEGIC TECH TREND ACCORDING TO GARTNER



70%

OF COMPANIES IMPLEMENTING IOT WILL IMPLEMENT DIGITAL TWIN



BILLIONS

OF ASSETS WILL BE REPRESENTED BY DIGITAL TWINS IN 3-5 YEARS

"Promising improved asset management, situational awareness, improved collaboration between teams and more, Digital Twin technology can be a powerful enabler of digital transformation."

Wayne Gerard

Co-Founder & CEO,
RedEye

At RedEye, we're committed to keeping the world's critical infrastructure running. It's why leading organisations all over the world trust us to help manage more than \$350bn in assets globally.

As asset owners across all industries turn to digitalisation to transform operational effectiveness, improve safety and increase output, interest in SaaS-based Digital Twin technologies as a solution is increasing.

Far from offering just a digital view of your operations, RedEye Digital Twin can reveal deeply hidden patterns and dependencies - highlighting asset and process-related issues in context, and real time, for better decision making.

On-demand access to actionable asset data

One of the key ways Digital Twins can help your organisation unlock the value in the vast amounts of disparate asset data it holds, is equalising the data across new and legacy assets.

Most asset intensive companies have assets that range from 10 to 60, or more, years old. Managing legacy assets is critical. At the same time, every asset owner is creating new assets today. The assets that are created today are created in a different way, with different data formats, and by different tools.

RedEye Digital Twin is a platform which integrates these different “epochs” in how assets have been created. Rather than mandating that all legacy assets need to be upgraded and changed to the way your organisation operates today - or that everything your organisation creates today must be backwards compatible with everything you did in the past - the Digital Twin can be the tool and layer that allows you to create the new and stay up to date with technology, but not lose the connection with the past.



Make asset management more predictable

RedEye Digital Twin enables you to digitally explore live data from your assets, see asset condition and issues in context, and detect patterns which can guide specific field work or test scenarios.

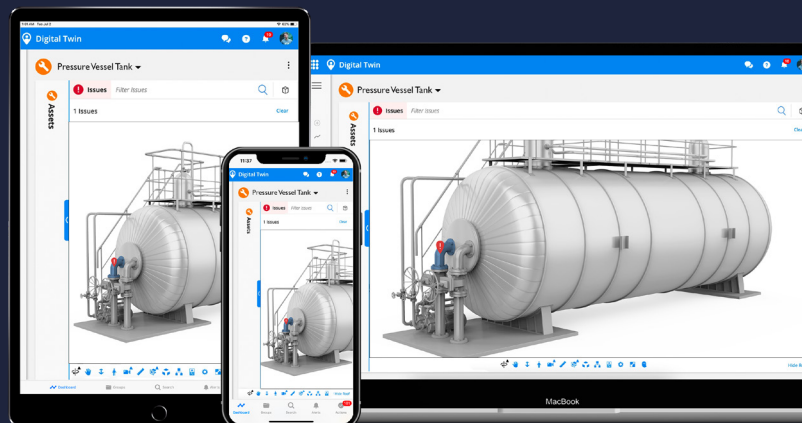
As well as enabling you to analyse what is happening without being on-site, the system can improve predictive power over time, helping you to reduce costly, unplanned work, and address any issues quickly.

3D models can provide more actionable intelligence, improving predictive power over time, which better supports your organisation's performance outcomes. RedEye Digital Twin also enables you to simulate events and conditions within asset models to test your processes and develop future plans with greater rigour.

As with all of our solutions, RedEye Digital Twin integrates with your existing business infrastructure to power a digital ecosystem that can deliver data and insights for precise decision making and efficient operational management.

*“Adopting new technology should not make old assets less valuable. And old assets should not stop an organisation from adopting. **RedEye** Digital Twin facilitates the successful management of all assets, with real time visualisations for improved decision making.”*

Wayne Gerard
Co-Founder & CEO,
RedEye



Minimising risk to help you keep your people safe

The underlying document management functionality within RedEye Digital Twin provides robust version control. This allows you to protect your workforce, execute safe maintenance work and minimise the risk of workplace safety incidents or rework, by ensuring everyone has access to the most current information.

With a proven, structured and controlled system, you can maintain regulatory data compliance whilst allowing the right people in your organisation access to the information they need without wasting time searching for the latest versions or most current documents.

This results in safer, faster and more efficient maintenance and response work – keeping your assets and critical infrastructure operational and minimising downtime.

“RedEye is continuously striving to solve for our customers, the challenge of bringing together different asset data and engineering drawing formats. Whether organisations are initiating Digital Twin projects from the top down or bottom up, being able to collect and integrate key asset data is where it all begins.”

Jenny Johnson
Chief Technology Officer
RedEye



About RedEye

RedEye is a technology company founded in Australia in 2012. Our vision is to make the world's critical infrastructure safer, easier and more efficient to operate and maintain. Today RedEye has six offices globally and helps our clients manage over \$350 billion in large complex assets and critical infrastructure.

Our Software as a Service (SaaS) solutions including our engineering data management, asset and work management, bushfire risk management and digital twin solutions and our technology, process optimisation and change management consulting services are purpose-built for asset owners.

RedEye partners with the world's leading asset owners in utilities, resources, government, defence, healthcare and infrastructure to enable digital transformation in digital engineering, digital twin, asset management, analytics and bushfire risk management by making their asset data more available, usable and valuable.

RedEye's cloud and mobile based technology platforms integrate with, complement and extend our clients existing ERP, EAM, GIS, Safety and other core business systems. RedEye partners with leading technology companies including Microsoft, IBM, ESRI and AWS. We also partner with global and specialist systems integrators and consulting firms including KPMG to extend our reach and value globally.

"RedEye's team and partners have developed deep domain and subject matter expertise working with numerous asset owners and critical infrastructure operators and are available to share best practice solutions, knowledge and processes."

Wayne Gerard
Co-Founder & CEO,
RedEye



RedEye, helping to manage and protect over \$350 billion in assets globally.



To find out more about our digital asset management solutions visit www.redeye.co