

 **YouTube** - In a world of infrastructure, there is dTIMS.



## ENTERPRISE ASSET MANAGEMENT



dTIMS (Deighton Total Infrastructure Management System) is an enterprise asset management solution that enables an agency to locate, maintain, rehabilitate and manage critical infrastructure assets throughout their life-cycle.



### About Deighton.

Deighton Associates Limited (Deighton) has established itself as one of the world leaders in providing asset management systems and asset management expertise at the strategic, tactical, and operational levels for agencies around the world. Recognized as the premier software product for infrastructure asset management, dTIMS® is used to manage large infrastructure networks in Africa, Asia, Australia, Canada, Europe, New Zealand, and the United States. These infrastructure networks include hundreds of thousands of miles of pavements, thousands of bridges, and millions of wastewater, storm water, and fresh water distribution pipe assets.

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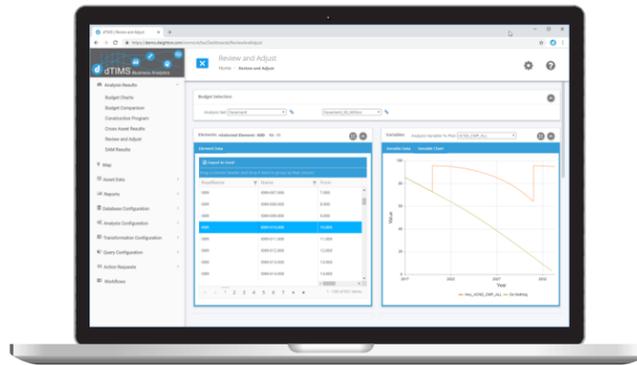
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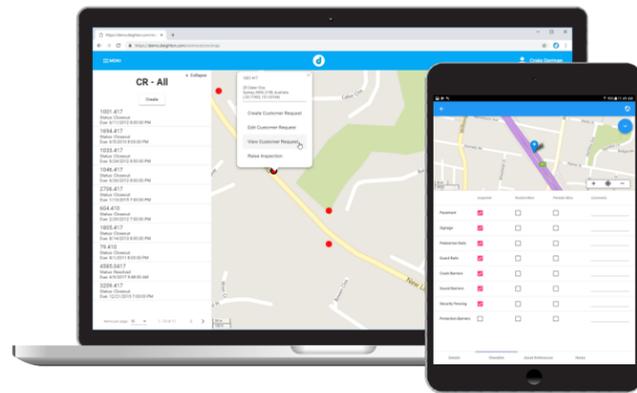
Used by more asset managers worldwide.

# One Platform.



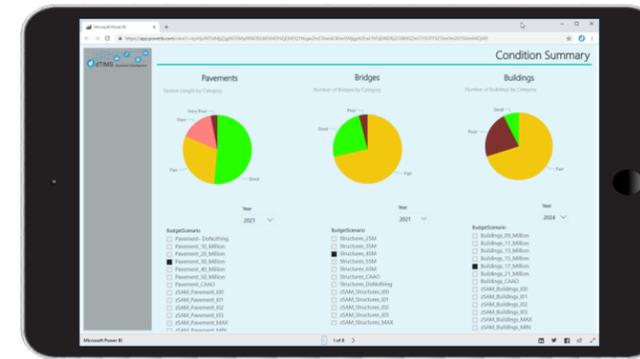
**dTIMS Business Analytics (BA)** is the strategic planning component of the dTIMS suite. It facilitates the integration of data necessary to complete a life cycle cost analysis resulting in a forward works program. This helps an agency understand the impacts of different expenditure levels on the condition of assets and the risk to the network. dTIMS BA includes a common asset registry, mapping components and the most robust analysis engine on the market.

- Plan for future maintenance
- Predict sustainability costs
- Maintain a level of service
- Store any data: condition, history, and more
- Aggregate data and predict asset condition
- Budget analysis for different scenarios
- Deterministic and probabilistic models
- Standard, map-based, works program, ad-hoc reports
- Cross asset optimization
- Automated investment planning



**dTIMS Operations Management (OM)** is a maintenance management tool used by managers, administrators, and field staff to track day-to-day requests, work, and resources. The asset management life cycle is a cradle to grave process for all assets. dTIMS OM helps operate and maintain assets to deliver a return on investment to the agency.

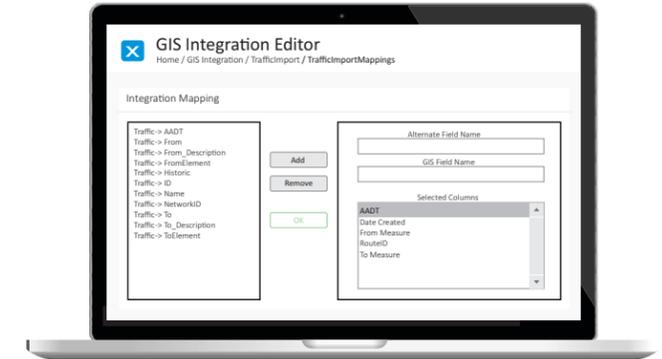
- Works with internal and external service requests
- Generate inspections
- Generate and manage work orders
- Schedule crews and employees to work orders
- Track employee performance
- Preventative maintenance scheduling
- Mobile app that works online and offline
- Generate productivity, material usage, and work order completion rate reports
- Fully customizable solution



**dTIMS Business Intelligence (BI)** is a customizable dashboard tool that enables faster, actionable insights from your agency KPIs. Most agencies have the ability to capture data from day-to-day operations and research. dTIMS BI saves your agency time by analyzing complicated data and turning it into intelligence.

- Increased collaboration between departments
- Enables any stakeholder to leverage the power of dTIMS
- Statistical data, visual charts, and/or standard textual content
- Easily integrated and embedded into existing systems, applications, and administration
- Intuitive design requires little or no training
- dTIMS BI Connector tool enables your agency to connect to whatever business intelligence tool you prefer, such as Microsoft Power BI®, Tableau®, Dundas BI®, and more.

# All your assets.



**dTIMS Interoperability** enables bi-directional sharing of data and functionality with other enterprise applications. dTIMS is designed to avoid data duplication and functionality. Interoperability is achieved through the dTIMS Common Asset Registry which houses internal and external asset and condition data. The database is a robust spatial and temporally enabled internal asset database with Location Reference Method (LRM) support. Web services serve data and functionality using OASIS Open Data Protocol (OData).

- GIS, ESRI Roads & Highways
- External 311
- SAP, PeopleSoft
- Financial Software
- Fleet Systems
- Legacy Systems

The Colorado Department of Transportation (CDOT) has used dTIMS BA since 1990. Their initial implementation included pavements. As the CDOT system evolved, new asset classes were added to dTIMS BA. Today, in addition to pavements, dTIMS BA is used to manage the following assets for CDOT: bridges, facilities, fleet, geotechnical hazards, ITS devices, traffic signals, tunnels, and retaining walls.



Downer maintains over 33,000 kilometers of road in Australia and over 25,000 kilometers in New Zealand. Customers include all of Australia's State road authorities, the New Zealand Transport Agency and local government councils and authorities in both countries. dTIMS BA and OM are used by Downer to manage their road maintenance contracts.



The Vermont Agency of Transportation (VTRANS) manages 2470 miles of state highways and 1089 bridges. Since 1994, VTRANS has used dTIMS to manage their pavement network. They chose dTIMS BI in 2017 to leverage their dTIMS BA investment. It allowed VTRANS to distribute pavement KPIs, in a visual format, to other departments and the public.



The Indiana Department of Transportation (INDOT) maintains more than 11,000 centerline miles of road and 5,600 bridges using dTIMS BA. Deighton developed an integration between ESRI Roads & Highways and dTIMS BA that enabled users to schedule periodic updates. This created an authoritative LRS for INDOT and eliminated data duplication.

