Managed Services for Intelligent Infrastructure
Transform Your Asset Information Management with Bentley MANAGEservices

Bentley can provision, manage, monitor and support its industry-leading asset information management software solutions in a robust cloud-services environment. Bentley MANAGEservices ensures rapid deployment, business process discipline, and consistent rollout wherever and whenever needed. Stay in control. Spin up fast. Improve agility. Focus on outcomes not inputs. By using Bentley MANAGEservices, you can be sure you are getting the most business value out of your software, that you are implementing industry standards and best practices, while at the same time transforming your asset information management. All in a budget-friendly, predictable cost model.

If you are an official or strategic planner in a transportation or transit agency, you are constantly thinking about how to demonstrate good governance, how to achieve transparency and how to be a good steward of asset value. You have to properly identify and prioritize risks, ensure safe and efficient operation of the network, and comply with regulations. You are accountable for the optimal allocation of resources throughout the asset lifecycle. But unreliable asset information, missing, inaccurate or stale data prevent you from answering the core questions and, if not properly addressed, can lead to a lack of public trust and confidence in your agency.

Intelligent Infrastructure

Everyone wants predictions on performance and better asset management. With the prevalence of sensors, cameras, and always-connectedness, we are now experiencing a layering of the digital world on top of the physical world. Smart devices are throwing off huge amounts of data – so called “big data” – which, when combined with algorithms and analytics, enable businesses to spot meaningful patterns. Predictive and prescriptive models help improve operational performance and can guide strategic and tactical decision making from the boardroom to the work site. Intelligent infrastructure, therefore, holds out the promise of performance simulation, self-diagnosis, and carbon-efficiency while improving security, safety, and resilience in the face of extreme weather events. The future work scape is undoubtedly a digital landscape and underpinning it is asset information management.
Getting to the Next Level

What you really need is a one-stop solution for transportation asset management – a single source of truth that helps you know where your assets are, perform and manage inspections, forecast and assign maintenance needs, prioritize capital plans, and analyze and report performance metrics. What you really need is a comprehensive solution that reduces your risk of noncompliance and offers peace of mind. What you really need is a solution that takes the headaches out of coordination and enforcement, that enables automatic compliance with regulations, helps avoid missed deadlines, and improves the quality of reporting.

This is where AssetWise MANAGEservices comes into play. Bentley can help you transform your asset information management capabilities. Bentley can provision, manage, monitor, and support its industry-leading asset information management software solutions in a robust cloud-services environment. AssetWise MANAGEservices helps you answer:

- What assets do I have?
- What condition are they in?
- What needs do I have?
- How do I prioritize those needs?
- What resources do I need and when will I be able to achieve my goals?

Of course, some owner-operators feel that risk-based asset management is simply a matter of selecting the best point solution and getting the software to deliver on its potential. But too many technology investments produce an ROI that is too low or too difficult to measure or impossible to prove. How fast and how efficiently you can get and keep your software operational makes a huge difference to your ROI and total cost of ownership. Do you have gaps in time, resources, or expertise? On-premise implementation takes resources, time, and attention, which you don’t have or could use better elsewhere. What if you didn’t have to rely on internal staff to manage the day-to-day performance of your software, freeing them up to focus on strategic priorities? A much better approach is to work with a trusted advisor who has the industry knowledge and proven technology expertise – who can tap into a wealth of experience of business disciplines and best practices – who understands transportation asset management inside out and can help you get to the next level.
Empowering People at Work

How do you empower people at work? By choosing AssetWise MANAGEservices, you are assured of getting access to the industry’s leading asset information management software solutions in a robust cloud-services environment. You are also assured of getting the expertise and experience that will help you empower your people. MANAGEservices means that you have access to a deep pool of talent from Bentley that can be an extension of your IT department, that frees up your resources to focus on their strategic priorities, that takes responsibility for getting the most value out of your software, and that simplifies the complexities and lets you focus on outcomes.

Better Quality Processes Result in Better Quality Data

AssetWise MANAGEservices is a comprehensive cloud-based service for managing the inventory, inspection, maintenance, and regulatory reporting associated with a wide range of infrastructure assets, including transportation assets. It provides the quality information that owner-operators can rely on to make mission-critical decisions regarding maintenance and work scheduling, capital improvement planning, and project prioritization, to help ensure the safe and efficient operation of transportation infrastructure assets and networks. It helps departments of transportation, transit agencies, counties/municipalities, and engineering consultants comply with industry regulations including implementation of requirements for risk-based transportation asset management such as MAP-21. It promotes better communication and collaboration between stakeholders and helps owner-operators demonstrate good governance and stewardship of asset value.

Better Economics, Better Quality Information

- No capital outlays, no procurement issues and delays
- Pay for what you use
- Never worry again about upgrades
- Industry-proven workflows and business processes
- Peace of mind
Utah’s Comprehensive Transit Asset Management System

The Utah Transit Authority (UTA) operates the public transit system in greater Salt Lake City, Utah. To serve a rapidly growing population, UTA is expanding its fixed rail system. As part of this expansion it has adopted a proactive transit asset management plan to better manage its assets end to end.

UTA has implemented a comprehensive software solution for inspection, maintenance, and management of transportation infrastructure assets to help it maintain Transit State of Good Repair for years to come. The Federal Transit Agency (FTA) provided a grant to UTA to implement the software solution for better asset management of all its assets as part of FTA’s national transit asset management pilot program. This new system provided standard inventory and inspection modules for assets already in place. It also provided modules showing condition (past ratings and detailed matrices), maintenance (budgeting, costs, flagging of maintenance activities), deterioration (curves to measure the actual vs. advertised performance), lifecycle costs (data over the asset’s lifecycle), budget (quantifying maintenance costs in future years), and other risk-based tools for better management.

The solution addresses all phases of the transit asset management lifecycle including the procurement of new assets, asset delivery and service performance, asset condition assessment, and asset re-capitalization in line with FTA’s stated goals.

InspectTech, Bentley’s field inspection and asset management software, supports MAP-21 requirements and best practices, incorporates National Bridge Inventory (NBI) and other relevant government standards/guidelines, and integrates seamlessly with existing third-party systems. InspectTech enables owner-operators to maximize the use of transportation asset information for on-site inspection, reporting, maintenance planning, project prioritization, and work scheduling.
The Highways Agency is the executive agency of the Department for Transport, responsible for operating, maintaining, and improving England’s 4,300-mile strategic road network on behalf of the Secretary of State for Transport. Significantly, two-thirds of all heavy goods vehicle mileage in England is undertaken on this network, making it the economic backbone of the country. The Highways Agency maintains and improves the network through a large and complex supply chain based on regional Asset Support Contracts.

As of October 18, 2013, the Highways Agency is running its Integrated Asset Management System (IAM-IS), sourced from Bentley Systems, in production through Bentley’s MANAGEservices provision, having successfully migrated from a previous supplier of managed services. Over the next three years, IAM-IS production migrations for the remaining Area Service Contractors are planned in succession, to span the full English strategic road network. During the same period, new modules of Bentley’s AssetWise for transportation software are scheduled to be implemented throughout the Highways Agency’s IAM-IS to further cater for network events, structures, and geotechnical and drainage functionality.

**Advantages of Asset Lifecycle Information Management**

- Optimal allocation of resources throughout the asset lifecycle
- Lower costs, improved safety, resilience and security
- Accountability, transparency, good governance
We offer a single source for all your asset information management needs – so you don’t have to manage multiple service providers and multiple service contracts. We start with the most reliable, most hardened cloud services. Working with leading cloud services environments, including Microsoft Windows Azure and Amazon Web Services, as well as local service providers, enables us to support owner-operators and “assets of importance” in most regions and countries throughout the world.

Bentley’s network operations center and technical support group ensure that the services we provide are available and operating according to specific service level agreements. On top of that, our application management specialists ensure that AssetWise is running as it should with sufficient capacity, performance, and responsiveness. Our network and data security experts ensure that your data is protected and safeguarded. From the outset, our professional services team ensures that your system is installed and configured correctly and meets your defined needs. Our engagement managers have responsibility for your success and can supplement our extensive training programs with task-at-hand coaching and mentoring when you need assistance vs. your having to rely on a help menu.

AssetWise MANAGEservices is a comprehensive infrastructure asset management solution that provides asset information modeling, assured information integrity, and asset health visibility – the quality information and analyses that are necessary for risk-based transportation asset management. It is a definitive, trustworthy repository for all asset types, scalable from the smallest to the largest of agencies, that helps you make better-informed decisions. AssetWise MANAGEservices enables information management relating to transportation infrastructure assets of all types including asset inventory, collection of condition data using mobile devices, management of inspections and maintenance, as well as regulatory compliance and reporting.

**Outcome-as-a-Service**

Our operating model is designed to help you extract the maximum ROI from our software. It is about how fast and how efficiently you can realize value by getting and keeping their software operational. It is about engineering out the sources of complexity from your business processes and workflows. It is about playing an active role in optimizing your actual business outcomes.
About Bentley Systems, Incorporated

Bentley is the global leader dedicated to providing architects, engineers, geospatial professionals, constructors, and owner-operators with comprehensive software solutions for sustaining infrastructure. Bentley Systems applies information mobility to improve asset performance by leveraging information modeling through integrated projects for intelligent infrastructure. Its solutions encompass the MicroStation platform for infrastructure design and modeling, the ProjectWise platform for infrastructure project team collaboration and work sharing, and the AssetWise platform for infrastructure asset operations – all supporting a broad portfolio of interoperable applications and complemented by worldwide professional services.

Corporate Headquarters
685 Stockton Drive | Exton, PA 19341
United States
1-800-BENTLEY (1-800-236-8539)
Outside the United States +1 610-458-5000
www.bentley.com

Bentley EMEA
2nd Floor | Block 2
Park Place Upper Hatch Street | Dublin 2
Ireland
+353 1 436 4600

Bentley Asia
Unit 1402-06 | Tower 1
China Central Place | Beijing 100025
China
+86 10 5929 7000