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For Immediate Release

T2D2 Launches Enhanced Version of Building Inspection Platform

AI-Powered SaaS Platform Used by AEC and Inspection Professionals to Identify and Assess Damage and Deterioration to Building Envelopes and Structures Through Images

New York, NY – April 13, 2023 – [T2D2](#), a software as a service (SaaS) platform that uses artificial intelligence (AI) to identify and assess damage and deterioration to building envelopes and structures through images, announces the launch of its latest version, which features an enhanced customer experience via a new user interface and cloud architecture, custom reporting, in-app support, improved orthomosaic tiling, and streamlining of other administrative tasks.

T2D2 is used by engineers, architects, and inspection professionals across multiple sector types, including Beyer Blinder Belle Architects, MD Szerbaty Associates Architecture, Building Conservation Associates as well as asset owners including Hines, Howard Hughes Corporation, Boston Properties, as well as the Chicago Cubs, NYC School Construction Authority, and the U.S National Parks Service to identify deterioration early and throughout the life of an asset. T2D2 makes it easier, quicker, and less expensive to inspect structures, and enables users to proactively identify damage and defects before they become major issues.

“T2D2 is an important tool for inspection professionals as well as building owners and managers who are looking to preserve the value and structural integrity of their assets. This latest version of T2D2 is a response to the marketplace, where feedback from users has informed the development of the software and company’s growth,” said T2D2 CEO Badri Hiriyur, Ph.D. “It’s much more than an inspection tool; T2D2 helps users better manage structures and building envelopes, making assets more resilient and economical to maintain across the full lifecycle.”

The most notable upgrade to the software has been the launch of a completely new user interface powered by a robust cloud architecture specifically designed for architecture, engineering, and construction use. T2D2's online inspection portal is a cloud software solution that allows building owners and their engineers to conveniently store inspection imagery all in one place. Whether the photos are taken by camera, mobile device, or drone, it all can be uploaded to the T2D2 Inspection Cloud. The T2D2 portal conveniently allows collaborative access to all inspection data including imagery, orthomosaics, drawings, videos and 3D models. Tools include AI analysis, reporting, geotagging, orthomosaic generation and more.

The software can also be used to decelerate the impacts of climate change on the built environment. Frequent and more thorough inspections of built structures are proven to decrease the carbonation induced corrosion of reinforced concrete. Using AI to identify corrosion areas, paired with early intervention, prevents widespread issues from advancing, which keeps existing buildings in better condition.

“We’re heading into a market where asset management is focused on the care and repurposing of existing structures,” said T2D2 Chief Operating Officer Jonathan Ehrlich. “T2D2 provides a real value and competitive edge for buildings looking to trade hands as buyers are easily able to track the year-over-year condition of the building and ensure its safety and health.”

The company partners with its network of drone service providers including companies such as Aerospect, Building Science Authority, DroneHive, DroneUp, and Helios Visions, to deploy the AI that identifies visual anomalies and other signatures of deterioration on facades and structures, reducing the need for scaffolding. The software analyzes digital images or videos taken by any type of camera (hand-held, fixed or drone-mounted) and can detect and identify conditions of deterioration.

By monitoring buildings over time, T2D2's AI Damage Detector knows when it sees a crack or a change in previously detected damage. The detected damage conditions can be geolocated on structures using CAD, BIM or photogrammetric 3D models and presented in digital assessment reports that get updated in real-time. The system continues to improve and refine its findings over time, as it "learns" the specifics of each asset/structure and can automatically find red flags that require immediate attention. Unlike a human inspector, the T2D2 Damage Detector uses computer vision trained by hundreds of thousands of forensic images to recognize deterioration sooner and catalog exterior inspection data faster, more accurately and with deeper levels of insight.

"Using big data analysis tools to replace traditional methods of inspection saves time and money – and there can be tremendous value with its continuous use," added Hiriyyur. "T2D2 will identify even small anomalies that might not be picked up between prescribed inspection cycles but can deteriorate quickly and lead to costly problems. T2D2 is also helpful for portfolio-wide capital planning assessments to determine relative condition states between assets and for project prioritization."

T2D2 has been tested on numerous building envelopes and structures across the United States and Canada. It has been used to scan for damage and deterioration on roofs of million-square-foot industrial properties in California, brick and stone facades in New York City and Chicago, stucco façades of residential towers in Florida, concrete transportation systems, water treatment facilities in New York, MLB baseball stadiums, decommissioned nuclear power facilities, historic stone bridges in Maine and more.

About T2D2

T2D2 is a cloud SaaS AI company for engineers, architects, building owners and managers to store, organize and analyze inspection imagery in the cloud. Our AI computer vision software allows for automated analyses of exterior conditions, dramatically reducing the time it takes to complete condition assessment reports. Combined with our international network of inspection data capture partners, T2D2 delivers a complete suite of tools for exterior condition assessment. T2D2 is used by global building professionals to carry out inspections on commercial real estate, sporting arenas, bridges, and even power plants. To find out more visit t2d2.ai.

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