



Transportation

Create functional, living digital twins

Leverage IoT sensors for smart city integration

Assess asset condition and monitor change

Improve safety & transportation efficiency

Underpin digital engineering and design

Integrate critical business systems



The Problem

Transportation Authorities are responsible for the safety and efficiency of the networks they manage. These environments are dynamic and in a constant state of change so managing all of the data in real time is challenging. The organizations managing these systems need to ensure the safety of commuters, passengers and pedestrians whilst providing an effective road or rail network that allows the movement of people and freight as efficiently and safely as possible.

The Solution

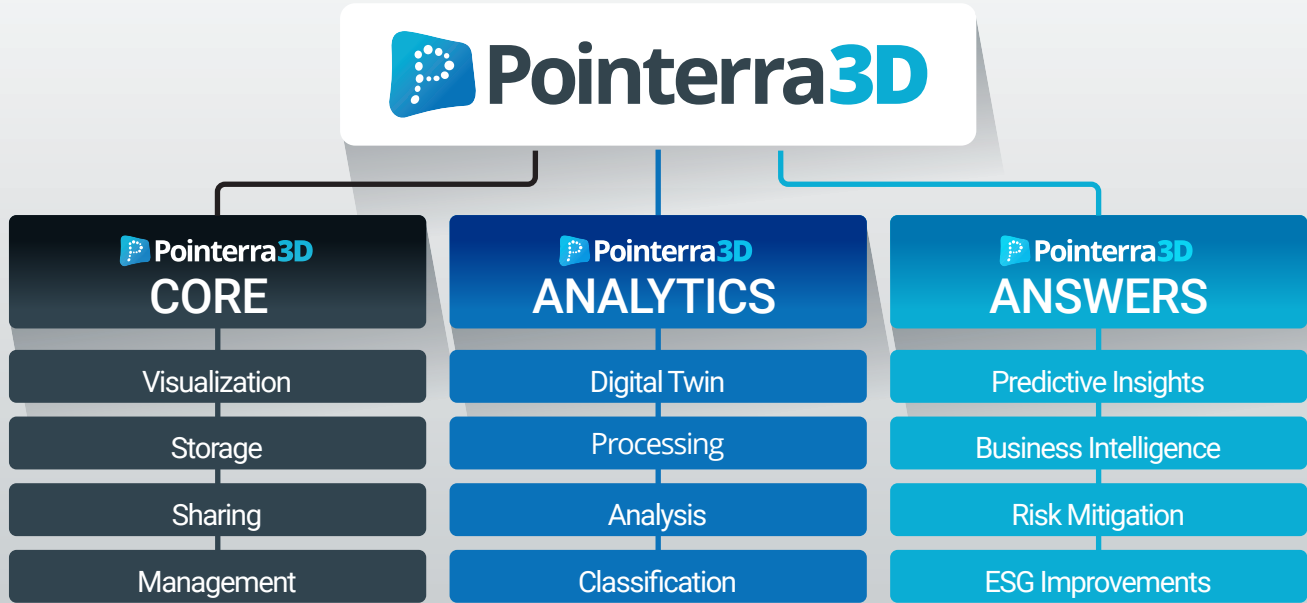
The production of an accurate and maintainable Digital Twin is fundamental to solving the challenges faced by Transportation Authorities around the globe. Pointerra3D provides the Common Data Environment in which to store, analyze and visualize all data relating to the asset. Automated routines build asset databases, assess conditions and monitor changes to maintain the spatial fabric of the Digital Twin.



Pointerra3D's API integration with critical business systems provides a 360 degree view, allowing for proactive issue identification to support preventative maintenance programs and early stage issue identification.

Simply *faster.*

The Pointerra3D product has three components, each with a different suite of features and capabilities. Depending on the specific requirements of your company, we can offer the full stack of Core, Analytics and Answers or just the Core and Analytics bundle.



Use the full stack of Pointerra3D Core, Analytics and Answers to solve the challenges faced by DOTs around the globe.

Pointerra3D Benefits

Maximizing Your ROI



Create and Maintain Digital Twins



Exploit Full Data Values



ESG Improvements



Virtualize Inspections



Secure Data Assets



Shrink Workflows



Parameterize Risk



Predict Future Performance



Optimize OPEX & CAPEX



Visualize Performance



Real-Time Reliability Metrics



Remote Inspection & Management