INFRASTRUCTURE

Why transportation asset owners switch to Autodesk.

Four advantages of leaving legacy infrastructure software behind.

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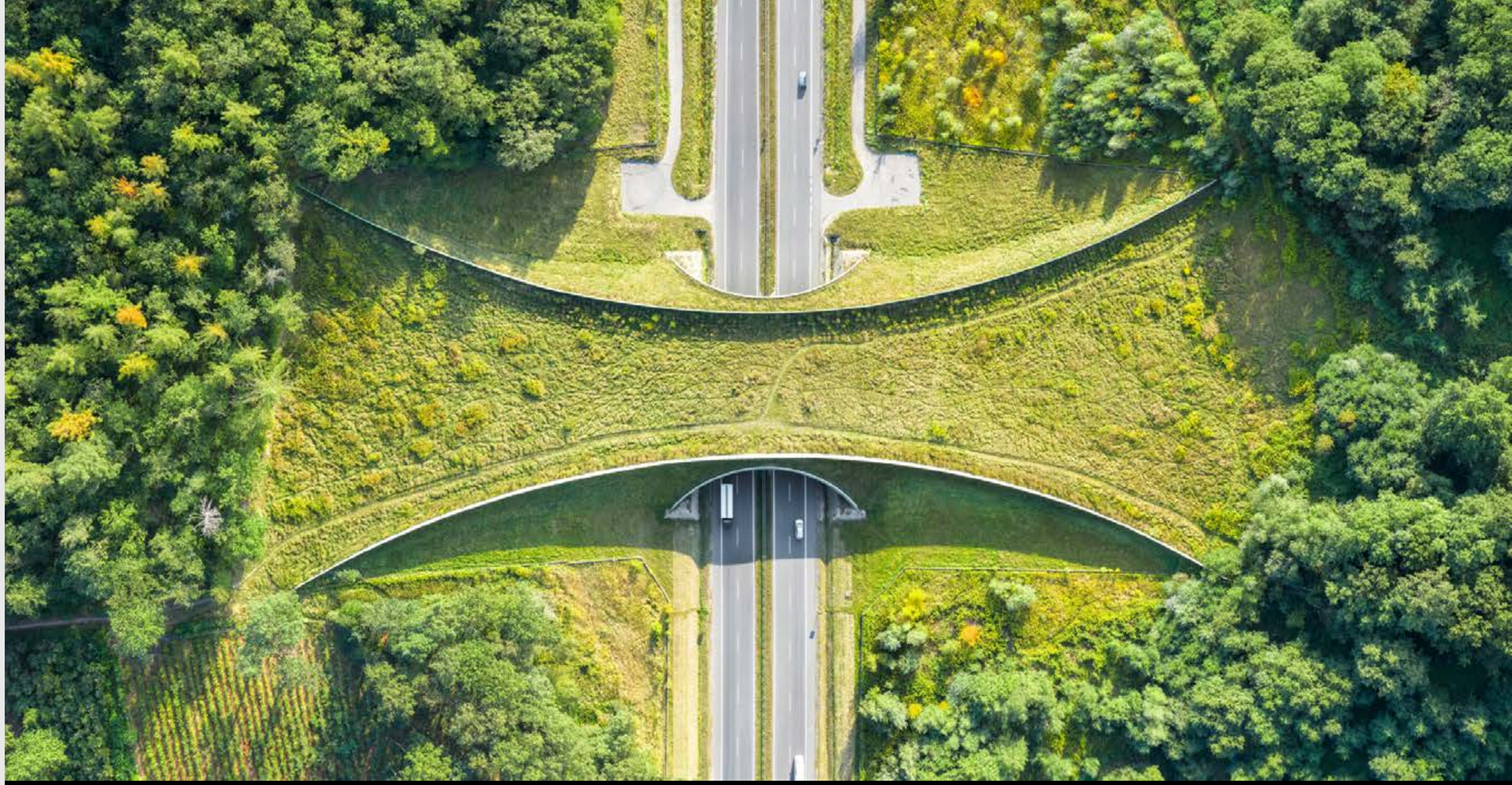
Introduction

Legacy software is holding transportation asset owners back

Infrastructure projects generate more data than ever, but too much of it remains fragmented, unstructured, and is difficult to manage. As projects evolve and infrastructure becomes more complex, owners need solutions that helps them meet regulatory requirements, manage environmental risks, and maintain resilient infrastructure that will stand the test of time.

It's about more than a new tool. Owners need a better way to connect teams, data, and workflows, from planning all the way to long-term operations throughout the entire asset lifecycle.

That's why they're switching to Autodesk.



"One of our moonshots is that we want to build eco-positive. That means constantly challenging how we design and build infrastructure."

YANISSA DE JONGHE

Head of Technology and Digital Innovation,
Pennsylvania Department of Transportation

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01

Achieve better coordination across every project

Owners often struggle with fragmented data, disconnected workflows, and limited visibility across the project lifecycle, creating risk, inefficiency, and barriers to collaboration.

Autodesk delivers a secure, interoperable common data environment (CDE) that fosters collaboration and provides greater visibility. By connecting owners, designers, contractors, and stakeholders in a single digital project delivery environment, Autodesk enables easier collaboration, greater visibility, and optimized performance at every stage.

This includes improving coordination between transportation and drainage design teams to ensure stormwater management is considered throughout project planning and delivery.

78% of transportation leaders say collaboration improves outcomes

61% report time savings from better collaboration

59% report improved project quality



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Key benefits:

- Gain key insights earlier
- Identify risks sooner
- Make better informed decisions across the asset lifecycle

> “Everybody should be looking at the same data. People can work in different tools, as long as the information itself is consistent and trustworthy.”
>
> **AMANDA COLEMAN**
> Engineering Innovation & Digital Center Manager, Port of Portland

02

Reduce time spent managing and validating data

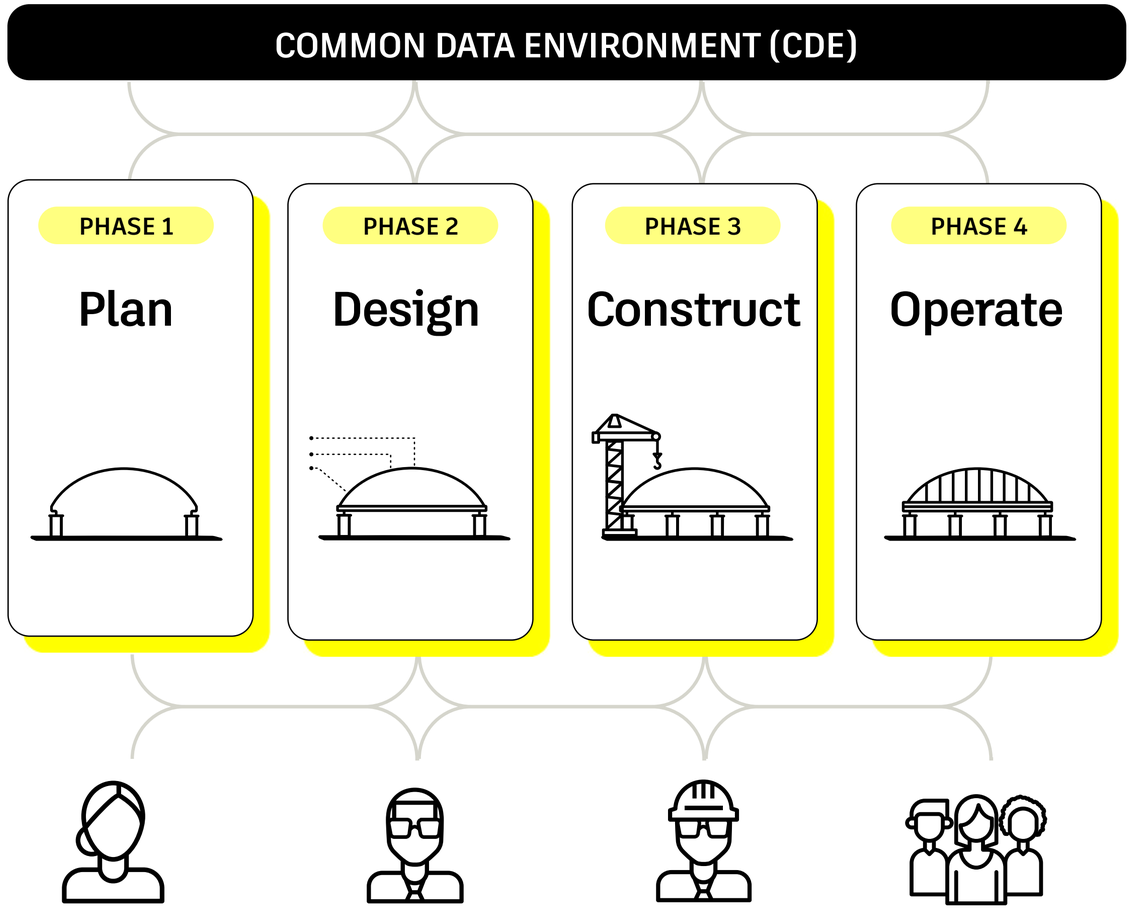
Time spent searching for the latest data has knock-on impacts on infrastructure project efficiencies. Yet information is often trapped in disconnected applications and incompatible formats; especially with legacy solutions.

Autodesk's open, interoperable platform allows data to flow seamlessly across planning, design, construction, and operations. Instead of struggling with incomplete and fragmented data, owners can have greater visibility across the lifecycle people, data, and workflows connected in their common data environment (CDE), creating a single source of truth for all stakeholders.

84% say poor data impacts project delivery

40% still struggle with siloed data

83% say interoperability improves collaboration



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Key benefits:

- Centralize information and data in a single source of truth
- Enhance quality by reducing the need for manual data entry
- Streamline coordination and communication

This gives teams more reliable access to connected infrastructure data such as roadway, structural, drainage, and stormwater data, supporting better decisions across the asset lifecycle.

> “We are stewards of data…
> Our role is to understand what data is important… and make it available to the rest of the organization.”
>
> **AMANDA COLEMAN**
> Engineering Innovation & Digital Center Manager,
> Port of Portland

03

Deliver with greater predictability and the ability to scale

Connected information creates more predictable project outcomes and scalability. For transportation owners, this can include better understanding of drainage capacity and potential flood risks earlier in project planning, helping teams make informed decisions that support long-term infrastructure performance.

When every stakeholder works from trusted project data, owners gain better visibility, and there are fewer surprises. Everyone can have greater confidence throughout the project lifecycle.

Autodesk gives multiple stakeholders access to the information they need, in the form they need it. They can circulate ideas, manage information, technical updates, and countless other project insights quickly and easily.

60% of organizations have made significant progress on digital transformation

82% say data improves infrastructure resilience

82% say infrastructure resilience is now essential



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Key benefits:

- Reduce duplication
- Improve data reliability
- Support collaboration among owners, designers, contractors, and operators

> “There are always varying levels of digital maturity among agencies, contractors, and consultants. When those gaps exist, they often lead to fragmented workflows, data gaps, and ultimately rework on projects.”
>
> **JAY MEZHER**
> Digital Delivery Practice Lead,
> Mott MacDonald

04

Make better decisions earlier

AI-powered insights enable better decisions, before problems become costly.

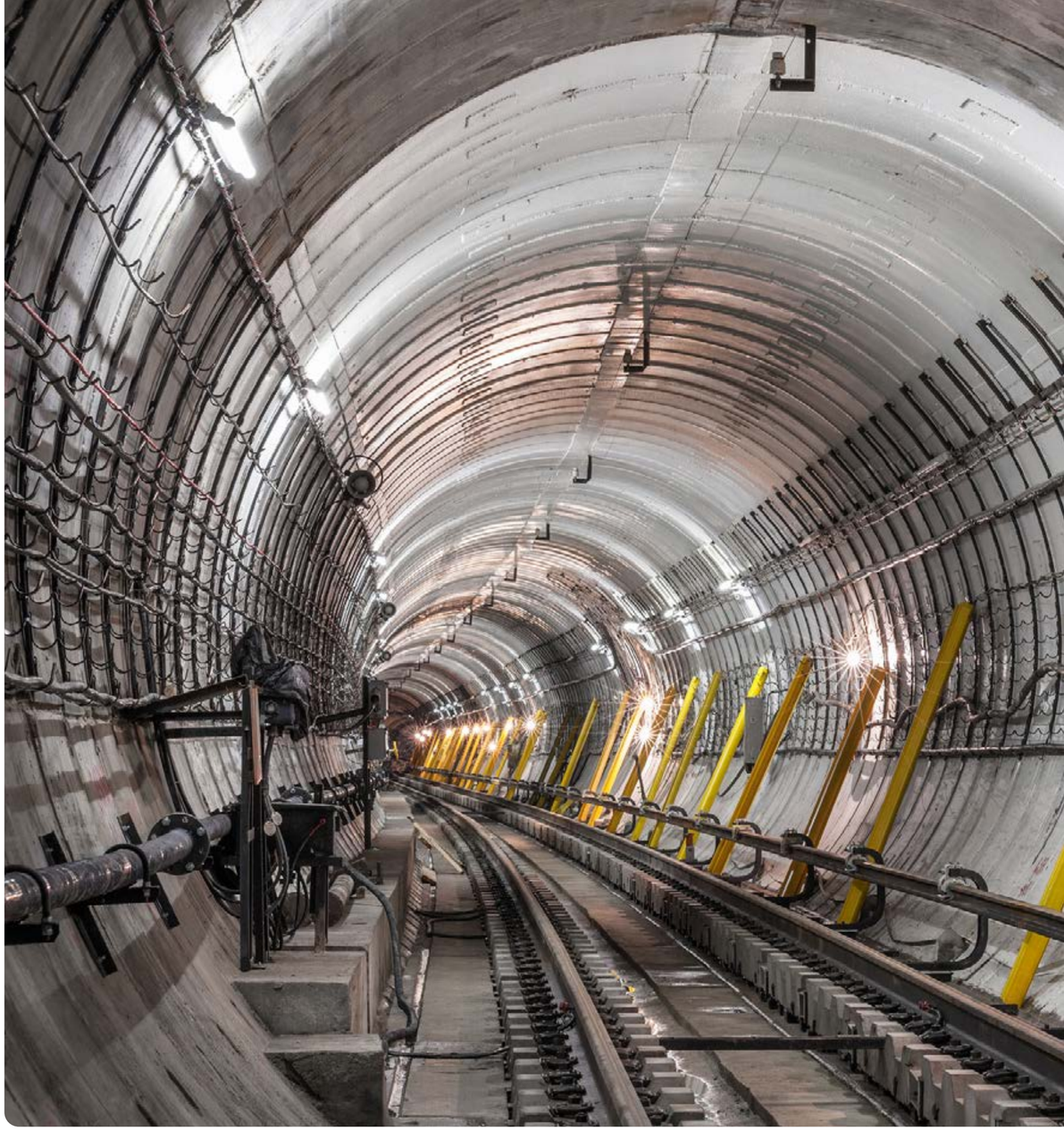
Leaders in AI adoption are moving beyond isolated initiatives and building connected ways of working that span the entire project lifecycle. They are seeing stronger outcomes and more positive outlooks, from digital maturity and collaboration to talent availability, sustainability, and resilience.

For example, transportation owners are using connected design data and engineering analysis to evaluate infrastructure performance, including drainage and stormwater management, so potential risks can be addressed earlier in the project lifecycle.

99% say AI is necessary to stay competitive

84% say AI gives time back for higher-value work

79% say AI accelerates problem solving



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Key benefits:

- Streamline workflows
- Improve decision-making
- Embed resilience
- Accelerate problem-solving

> “We’re using AI to automate tasks… a lot of coding that we used to do manually is now automated.”
>
> **JAY MEZHER**
> Vice President, Digital Delivery,
> Mott MacDonald

Switch to the future of transportation infrastructure

The future of infrastructure won't be built on disconnected, legacy software.

Owners are switching to Autodesk to connect teams, unify data, and deliver infrastructure that performs better, from planning and design through operations and long-term maintenance.

Switching to Autodesk means gaining:

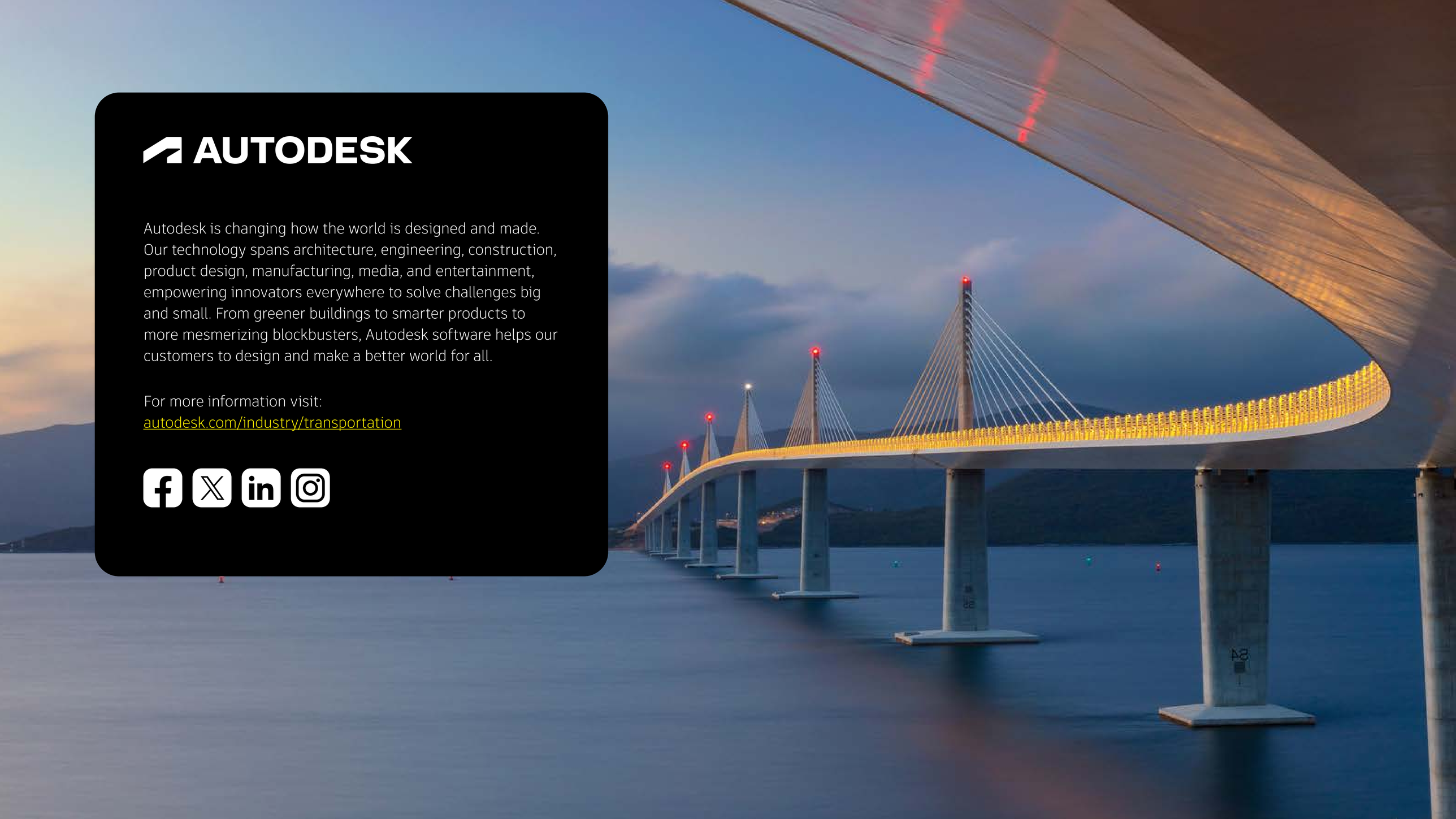
- Connected teams
- Connected data
- Greater predictability across the project lifecycle
- Better decisions, for today and for the future

Ready to switch to Autodesk? →



Data sources: *All data is quoted from Autodesk's State of Design & Make: Spotlight on Transportation report, 2026*

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Autodesk is changing how the world is designed and made. Our technology spans architecture, engineering, construction, product design, manufacturing, media, and entertainment, empowering innovators everywhere to solve challenges big and small. From greener buildings to smarter products to more mesmerizing blockbusters, Autodesk software helps our customers to design and make a better world for all.

For more information visit:
autodesk.com/industry/transportation