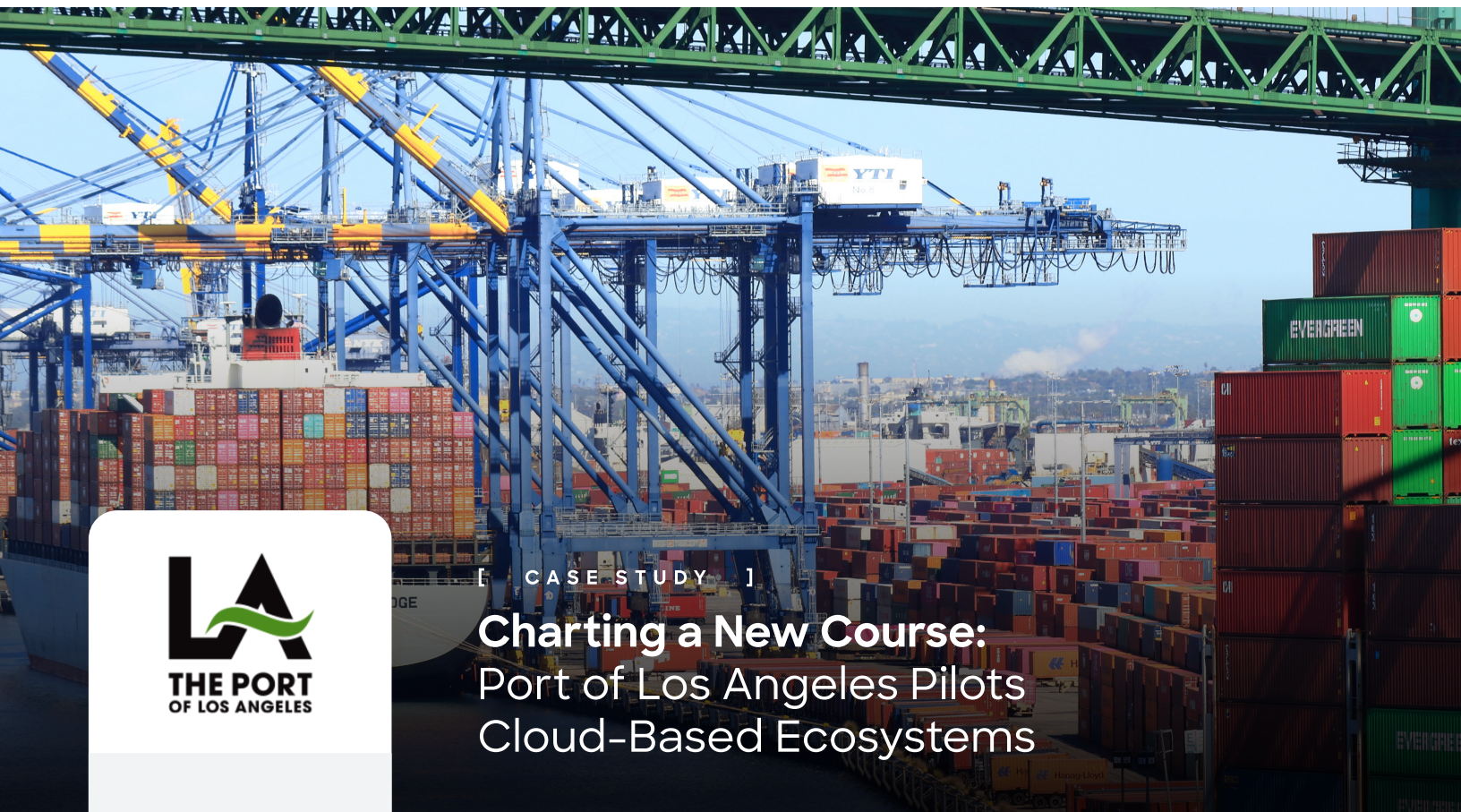




[CASE STUDY]

Charting a New Course: Port of Los Angeles Pilots Cloud-Based Ecosystems

FIRM TYPE

Public sector
/ **Government
Agency**

FOCUS AREA

**Port,
Transportation
& Maritime
Infrastructure**

TOOLS



AUTODESK
Forma

SOLUTIONS



Training & Enablement



Support Services



Workflow Optimization



Digital Transformation
Consulting

IMPACT

- ✓ Acted as a long-term technology partner, supporting the Port with ongoing Autodesk expertise
- ✓ Provided training and enablement across key tools including Civil 3D, Revit, and AutoCAD
- ✓ Led and supported a pilot deployment of Forma Design Collaboration validate a new cloud-based workflow
- ✓ Delivered consulting guidance on digital transformation, helping evaluate feasibility, adoption strategy, and scalability
- ✓ Supporting change management and user readiness, including training programs to ensure successful adoption of new workflows

ABOUT PORT OF LOS ANGELES

The Port of Los Angeles is America's Port®, the nation's premier gateway for international commerce and the busiest seaport in the Western Hemisphere. Located in San Pedro Bay, 25 miles south of downtown Los Angeles, the Port encompasses 7,500 acres of land and water along 43 miles of waterfront.

Advancing Digital Delivery at the Port of Los Angeles.

As one of the busiest seaports in the world and a critical gateway for international trade, the Port of Los Angeles operates at a scale that demands continuous innovation.

Spanning **7,500 acres** and **43 miles** of waterfront

The Port is in the midst of a multiyear infrastructure investment program to improve cargo efficiency and modernize operations. As physical infrastructure evolves, so must the digital systems that support it. To keep pace, the Port's Engineering Division recognized the need to transform how teams collaborate, share data, and deliver projects in an increasingly complex, 3D-driven environment.



“At the most basic, we need a safe, secure and efficient way to share information in real-time while multiple people are working on a project.”

Noe Preciado

Civil Engineer within the Engineering Division

The Challenge

As project demands increased, the Engineering Division faced growing challenges with data sharing and collaboration. While tools like Autodesk Civil 3D, Autodesk Revit, and AutoCAD were already embedded in workflows, the systems supporting them were not fully connected.

Teams relied on a mix of file formats and legacy content management tools, making it difficult to share information efficiently across disciplines and with external partners. As workflows shifted further into 3D design, the need for a secure, centralized environment that could support real-time collaboration became increasingly critical.

The Solution

To address these challenges, the Port partnered with ARKANCE, to evaluate and implement a more connected, cloud-based approach. Using Autodesk Construction Cloud, the team launched a pilot project to test a unified platform for document management and collaboration.

ARKANCE played a key role in guiding the process, providing strategic consulting, supporting implementation, and delivering training to ensure teams could successfully adopt new workflows. This phased approach allowed the Port to validate the solution, gather feedback, and prepare for broader rollout across the organization.

“The difference between other solutions and Autodesk Forma (formerly ACC), thus far, is that it’s a one-stop shop for both document management and collaboration, and it’s all within the Autodesk ecosystem.”

Noe Preciado

Civil Engineer within the Engineering Division

The Results

The pilot established a strong foundation for a more integrated digital ecosystem. Teams gained a centralized platform to manage documents and collaborate more effectively, improving Autodesk Forma design collaboration, increasing access to project data, and maintaining a secure environment for all stakeholders.

With better alignment across teams and partners, the Port reduced friction in sharing complex design information and improved overall workflow efficiency. Just as importantly, the pilot provided a clear path to scale these capabilities across future projects, including extending collaboration into construction phases. The result is a more connected, data-driven approach to project delivery that supports faster decision-making and improved outcomes.

“This project, while small, is an opportunity to work through any hurdles before wider implementation. It’s also a chance to get buy-in from participating stakeholders and to prepare appropriate training.”

Noe Preciado

Civil Engineer within the Engineering Division

ESTABLISHED

a pilot cloud-based ecosystem to improve document management and collaboration

ENABLED

a “one-stop” platform for both document control and project collaboration within the Autodesk ecosystem

IMPROVED

Forma Design Collaboration, security, and real-time data sharing across teams and stakeholders

POSITIONED

the organization to scale cloud workflows across the division, including future construction-phase collaboration with contractors

FOUNDATION

set for enhanced productivity, collaboration, and data-driven decision-making

“In this case, we looked to ARKANCE, to help us deploy a pilot project that would validate the benefits and feasibility of an Autodesk Forma (formerly ACC)-enabled approach before potentially scaling it across the organization.”

Naven Meas

Transportation Engineer

Looking Ahead

With a clear direction in place, the Port of Los Angeles is continuing to evolve its digital infrastructure to support long-term growth. By combining modern cloud technology with ARKANCE’s expertise, the organization is strengthening collaboration, improving productivity, and building a more resilient foundation for future projects.

As adoption expands, the Port is well positioned to lead the way in modern infrastructure delivery, demonstrating how large, complex organizations can successfully transition to a more connected, collaborative way of working.

Want to learn more about transitioning to Autodesk Forma? **Our team is here to help you identify the right solution for your business.**

CALL US AT
(877) 648-7223

OR

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