

A look at collaboration solutions with:

CORGAN

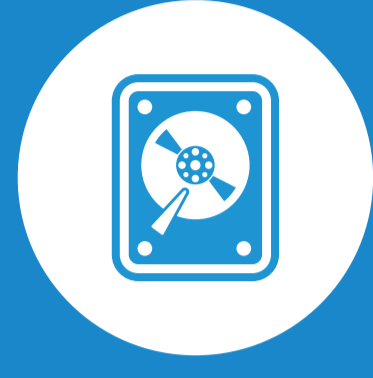
Before partnering on a \$1.3 billion terminal expansion at Los Angeles International Airport*, Corgan and joint-venture partner Gensler, needed to find a collaboration solution that would allow both teams to communicate efficiently and share complex architectural models across multiple teams in different offices.



*This project budget was finalized in late 2014.

Corgan looked at 3 different options:

VDI with Spin Storage



Virtual Desktop infrastructure (VDI) with spin storage is a virtual data solution that uses a server to share and store project files.

VDI with Flash Storage



Virtual Desktop Infrastructure (VDI) with flash storage is a virtual data solution that uses a server with Flash memory drives to store and share project files.

BIM 360 Design + BIM 360 Docs



BIM 360 Design + BIM 360 Docs is a cloud-based collaboration solution designed for architects and engineers to use cloud-based worksharing and view other design files right in their browsers.



They analyzed the costs:

Hardware

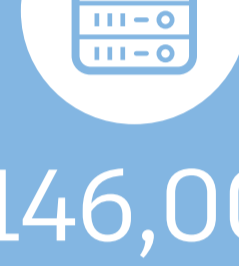
They looked at the hardware costs for each of the 3 storage options, which included the initial purchase of server hosts, storage hardware, video and K cards. The VDI solutions required heavy costs in this area, since they are server-based.

VDI with Spin Storage



\$46,000

VDI with Flash Storage



\$146,000

BIM 360 Design + BIM 360 Docs



\$0
Included in platform



Software costs

Their analysis of software costs included VDI software for the first two options, storage licenses, and user entitlements for the cloud solution.

VDI with Spin Storage



\$33,000

VDI with Flash Storage



\$33,000

BIM 360 Design + BIM 360 Docs



\$28,800



Set up & support costs

1

Initial setup

Initial set up costs included installation and troubleshooting costs, as well as the process set up for establishing primary connections for all team members.

Additional set up costs are startup training for more complex systems, and project set up discussions.

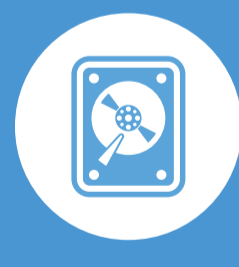
2

Weekly maintenance

Weekly maintenance costs included staff onboarding, software patches and updates, de-commissioning of old systems, replacing aged equipment, and restarting VDIs when systems slow down.

Costs also included having a reliable infrastructure network - whether that is internal or from a responsible 3rd party cloud vendor.

VDI with Spin Storage



\$45,680

VDI with Flash Storage



\$45,680

BIM 360 Design + BIM 360 Docs



\$10,920



Here's what they found:



VDI with Spin Storage

\$124,080



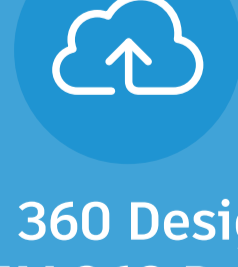
VDI with Flash Storage

Subtotal
\$206,080

Cost per user per month

\$345

\$573



BIM 360 Design + BIM 360 Docs

\$39,720



\$111



Conclusion:

In the end, there was a clear winner. Corgan chose BIM 360 Design + BIM 360 Docs not only for its maximum return on investment but also because it was designed specifically for building design collaboration with controlled worksharing and data management. [Get more details on these solutions here.](#)