

Why Owners Should Require a Digital Twin at Turnover

Written by: Dale Dutton, Virtual Design and Construction Product Engagement and Project Delivery, InEight

As a construction professional, you know there are certain steps to close-out and turnover of a project, from a project team to an operations team. As an owner, you may have asked for specific metadata to be delivered in a construction operation building information exchange (COBie) format. You likely asked the designer or contractor to follow certain computer-aided design or CAD standards and requested electronic drawings to be delivered in a specific CAD file format.

In fact, you may have received files generated from many different types of CAD-authoring software. But do you have the expertise to utilize all that different software, and do you really want to maintain all those different CAD software licenses? All of these challenges can make turnover a grueling event, for you as an owner and for your contractor. Requiring a digital twin at turnover can help. Here's how.

The benefits of a digital twin

A digital twin is a permanent 3D digital replica and record of your physical asset. It seamlessly encapsulates the asset and serves as a snapshot of deliverables being handed over by the contractor to the owner. Yet while it's great to have data



connected throughout a project, it's another to have project documents connected to the data throughout the project.

By starting the digital twin in construction, the execution of actual work captured will enrich the data, which will provide insight into the future serviceability of the asset during actual operation. This reduces the amount of work it takes to receive the asset off in handed rep

documents to be useful.

Specifying specific data to be captured electronically connected to a 3D model minimizes the turnover and reduces the hours of sifting through documents to get your asset serviceable ready.

