

AS500181

# How to Create Digital Twins with Autodesk's BIM Solutions and Unity

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## Learning Objectives

- Discover the differences between a digital twin model and an intelligent model
- Learn about the Unity solutions for digital twins
- Discover Autodesk and Unity solutions for a digital twin model
- Explore the workflow between Autodesk's BIM solutions and Unity

## Description

During the BIM (Building Information Modeling) evolution, we've seen many different solutions for many different contexts. Easy access to information means that our customers are coming to us much better informed and more curious. During the COVID-19 crisis, there was an abundance of information available via webinars, online workshops, and other channels that helped people understand BIM better. But how do we keep moving forward?

Much has been heard about digital twins, the new proposal for project analysis in construction and postconstruction processes. Innovation raises questions such as: "How am I supposed to offer this solution to my customers?" In this class, we'll explore the differences between a digital twin and an intelligent model, help you understand Unity solutions for digital twins, and highlight the advantages of this innovation by showing you how we can do it with the support of Autodesk partner Unity.

## Speaker(s)

**Natália Magatti – FF Solutions**

Graduate Bachelor in Architecture and Urbanism at São Judas University in São Paulo. I have been a 3D modeling and visualization enthusiast since I started my studies in Architecture. Since 2018 I've been part of FF Solutions, an Autodesk Gold Partner in Brazil. During my time in FF I was part of the technical team as support for BIM Implementation in Architecture and

Infrastructure companies in Brazil. Nowadays I'm Regional Lead for the Women in BIM organization and Project Manager at FF Solutions.

### **Diego Faria – FF Solutions**

Bachelor in Chemical Engineering and Master in Innovation in Civil Construction, researching BIM implementation, in POLI-USP. Has over 10 years of experience in business development, training and consulting in BIM implementation for the Architecture, Engineering and Construction market. Participated in major projects, both in Brazil and abroad, for industrial plants, buildings and infrastructure, supporting clients such as Vale, Sabesp, Concremat, Itaipu Binacional and Camargo Corrêa Infra. Has been recognized for his role in strategic projects, being awarded a Technical Specialist of the year award by Autodesk. Currently is responsible for developing solution architecture and innovation process for strategic clients.

### **Marcos Harano – Autodesk**

Former Unity Sales Manager at Sonda and currently Technical Solutions Executive at Autodesk for the Construction Solutions division in South America/Brazil, Marcos is a civil engineer and master in construction management from the Politécnico do Porto, Portugal.

As a technology evangelist, he supports public and private companies - from a wide range of sectors - to implement and diagnose business processes with strategic and practical planning metrics, driven by Autodesk technology.