



AVEVAWORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

AVEVA World – Engineering without boundaries

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Myles Basso



Global Projects IT
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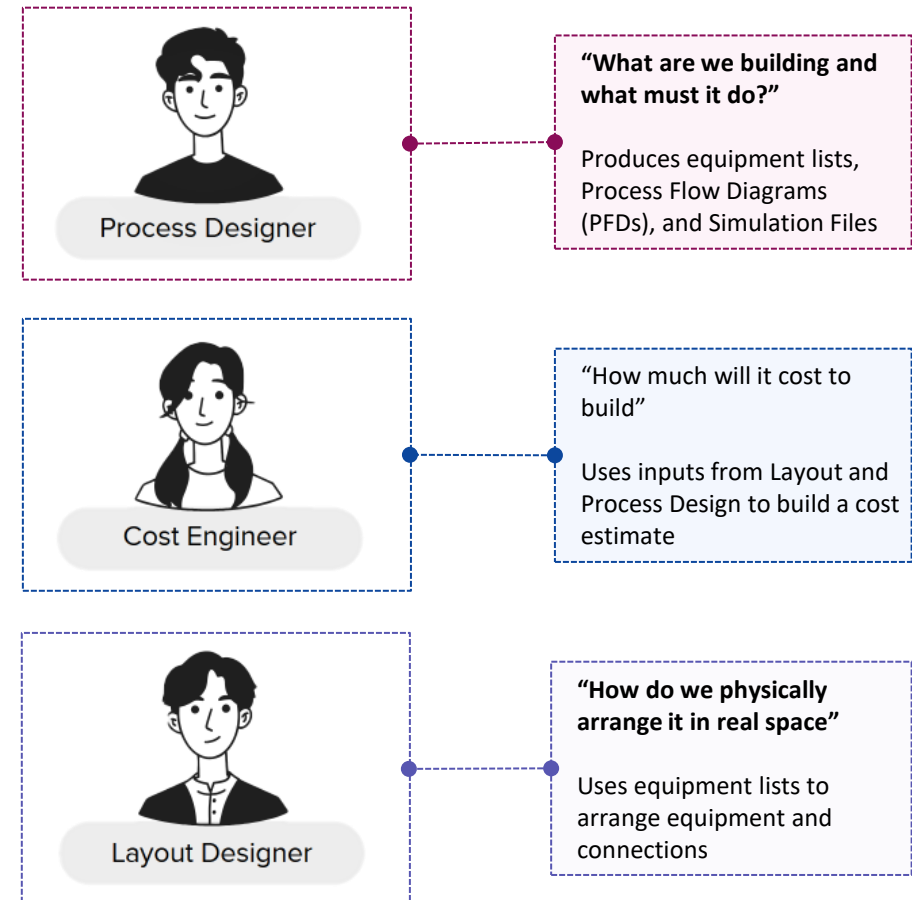
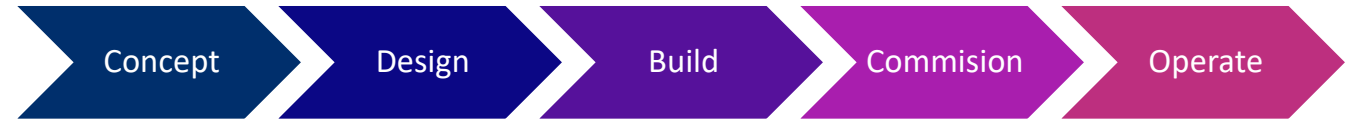
Anurag Singh



Global Projects Design Systems Lead

The Challenge

- Numerous software packages (vendor and proprietary) leveraged across Design, Cost and Layout disciplines
- Manual, time-consuming and error-prone data entry and integration
- Early project development phase requires frequent rework and iterations
- Lacking central design data repository
- Difficulty reusing and locating historical design data



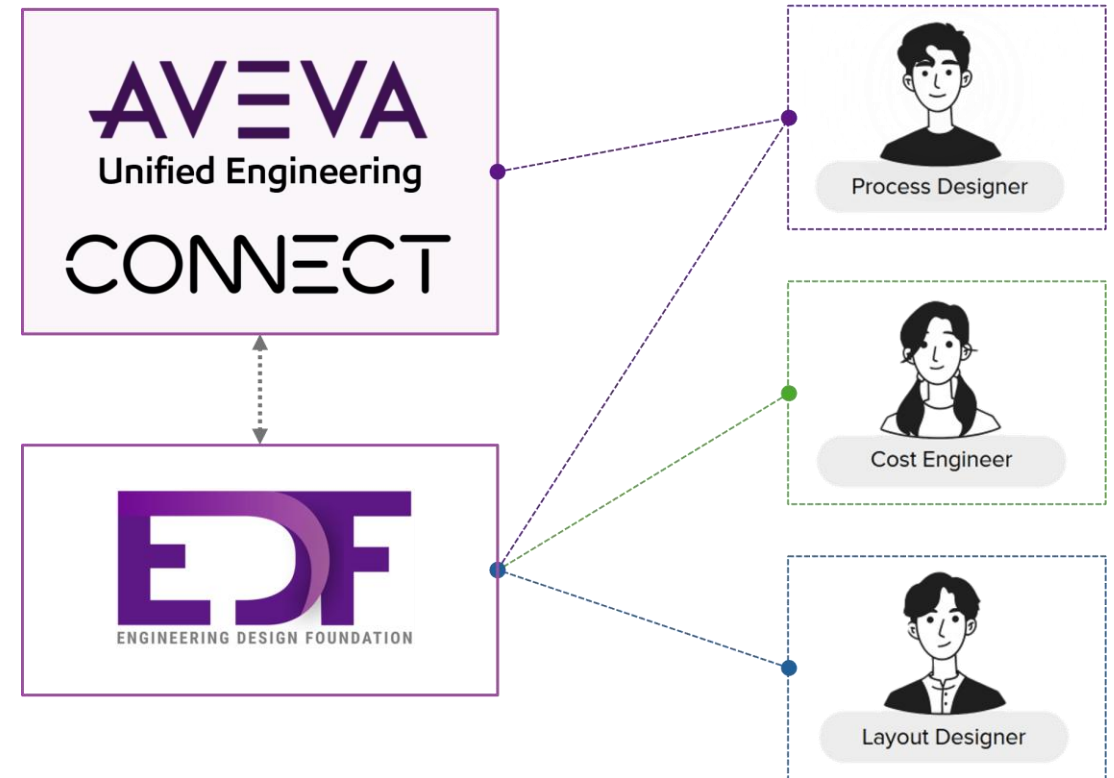
The Solution

Engineering Design Foundation Project

- Implement AVEVA Unified Engineering as a design data aggregator, focused on process design and simulation
- Develop a thin web client to increase the collaboration across disciplines
- Normalize complex data mappings and data definitions
- Automate data imports and exports between software suites

Benefits

- Minimize manual data entry
- Enable faster estimates through automation
- Searching and retrieval of historical project data
- Better decision making through increased access to real time, accurate design data



Preparing for AI

- Reduce the noise, prioritize value!
- Perform Business Process Modeling capturing personas, tasks, pain points, data and applications
- Document Enterprise Architecture Components (Capability > Process > Application > Data > Technology > Goals > Initiatives > Roadmaps)
- Implement data standards (DEXPI, CFIHOS) enabling faster data transfers and comparison
- Contextualize historical project data
- Dedicate time for workforce to improve AI skills (e.g., prompting, agents)

Now

CHAT w/DATA

APPLICATION
EMBEDDED AI

Next

AGENTIC
WORKFLOWS:
Business Processes

AI AGENTS



Process Designer
Agent



Layout Designer
Agent



Cost Engineer
Agent

GOAL:
**Sub Process or
Tasks**

TOOLS:
**Applications or
Skills**

DATA:
**Historical Data
and Mappings**

AI Driven Capital Projects

