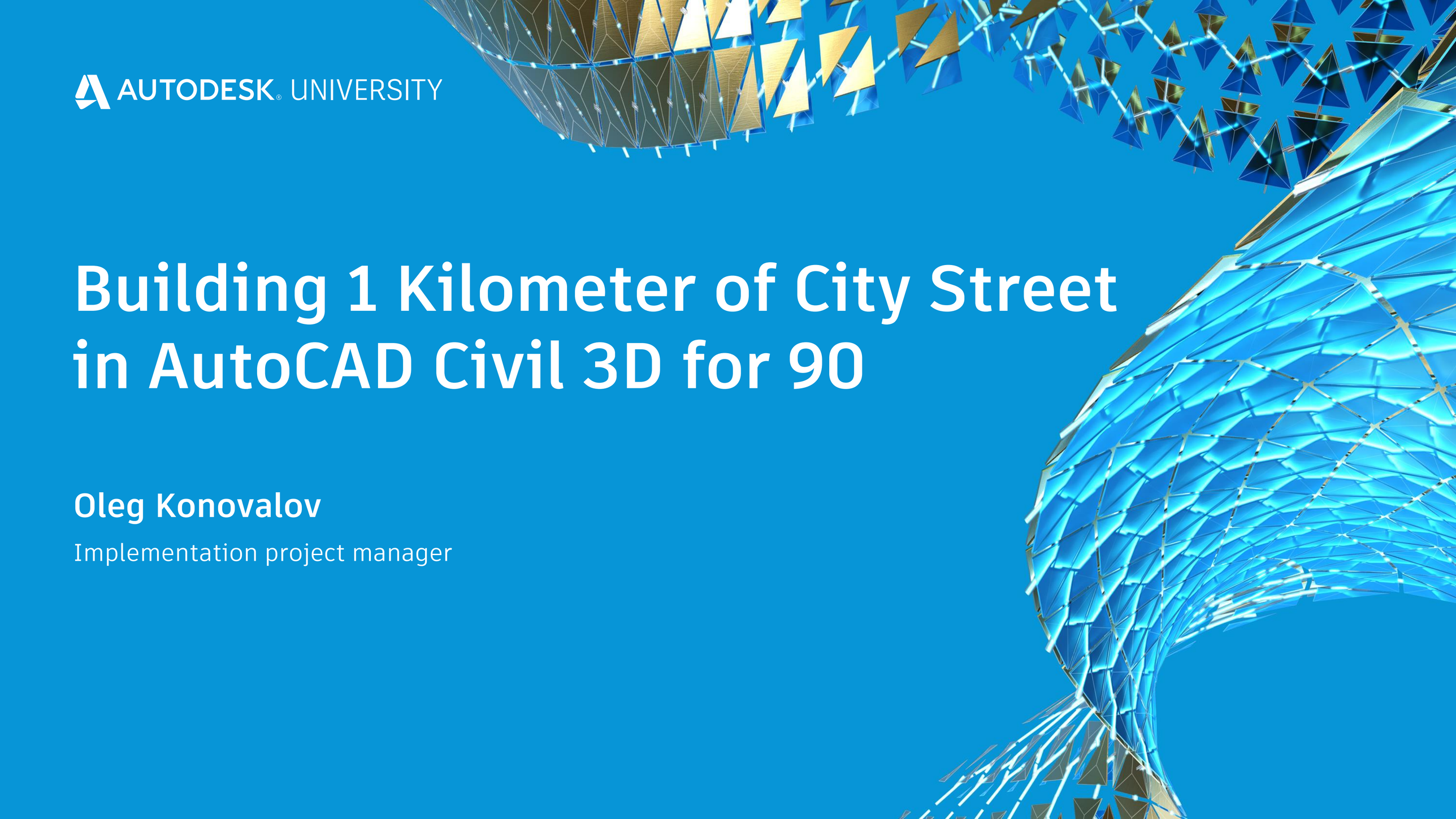
AUTODESK. UNIVERSITY

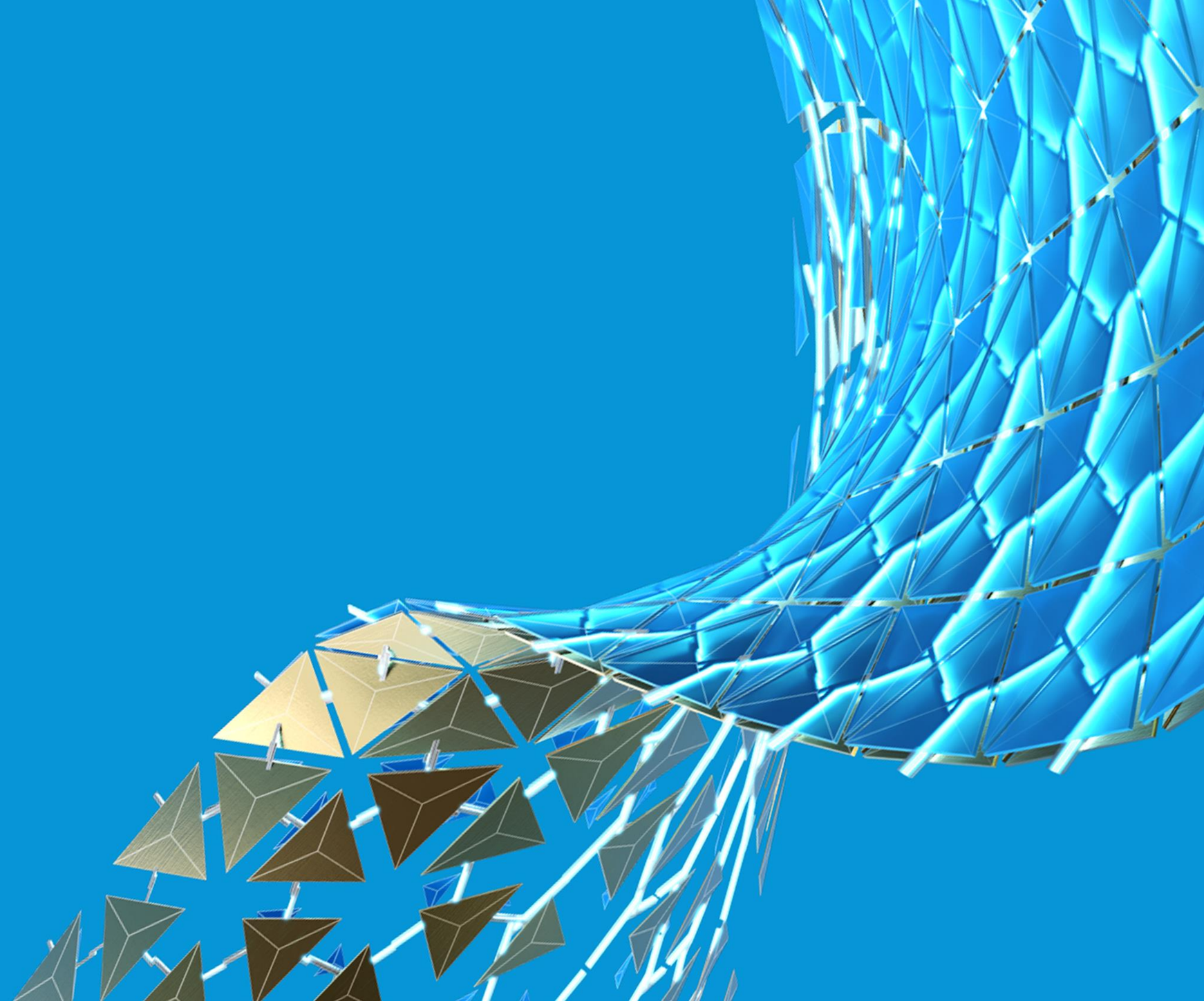
Building 1 Kilometer of City Street in AutoCAD Civil 3D for 90

Oleg Konovalov

Implementation project manager



Prologue



About the speaker

Oleg Konovalov

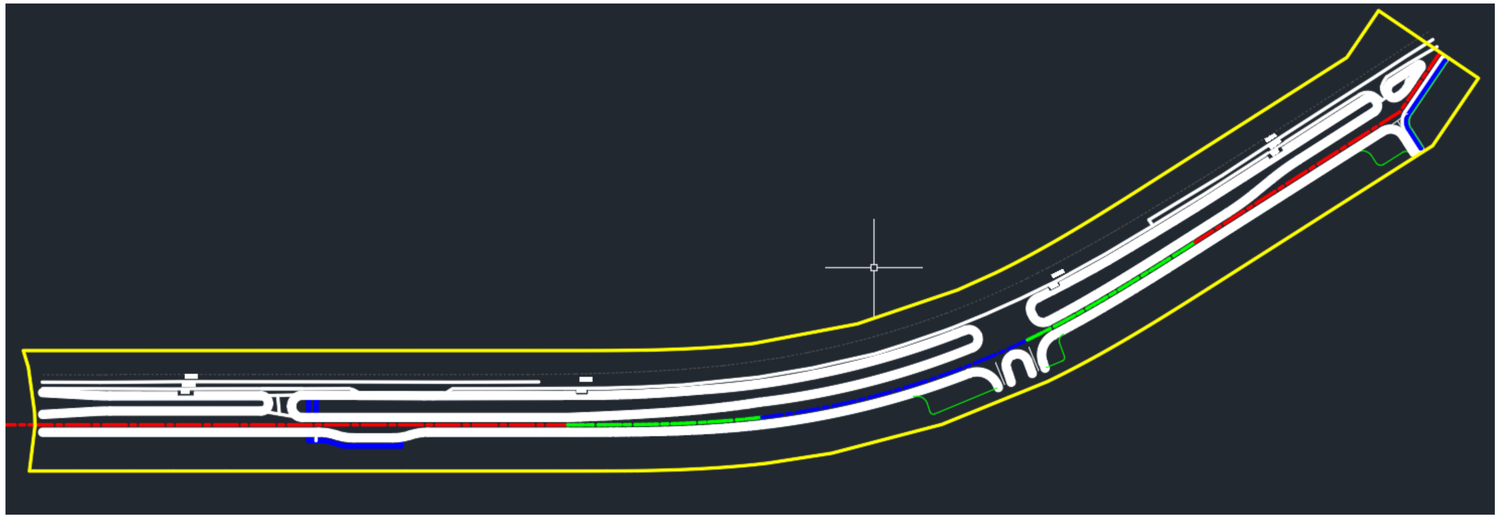
I've been working in Civil 3D for more than 14 years, and as an instructor, I've trained more than 1200 specialists. Working on many different projects and facing various challenges, I've come up with the conclusion that there is nothing impossible for Civil 3D. And yet there is always some space for growth and development.

City street designing is one of my favorite tasks. Let me show you why :)

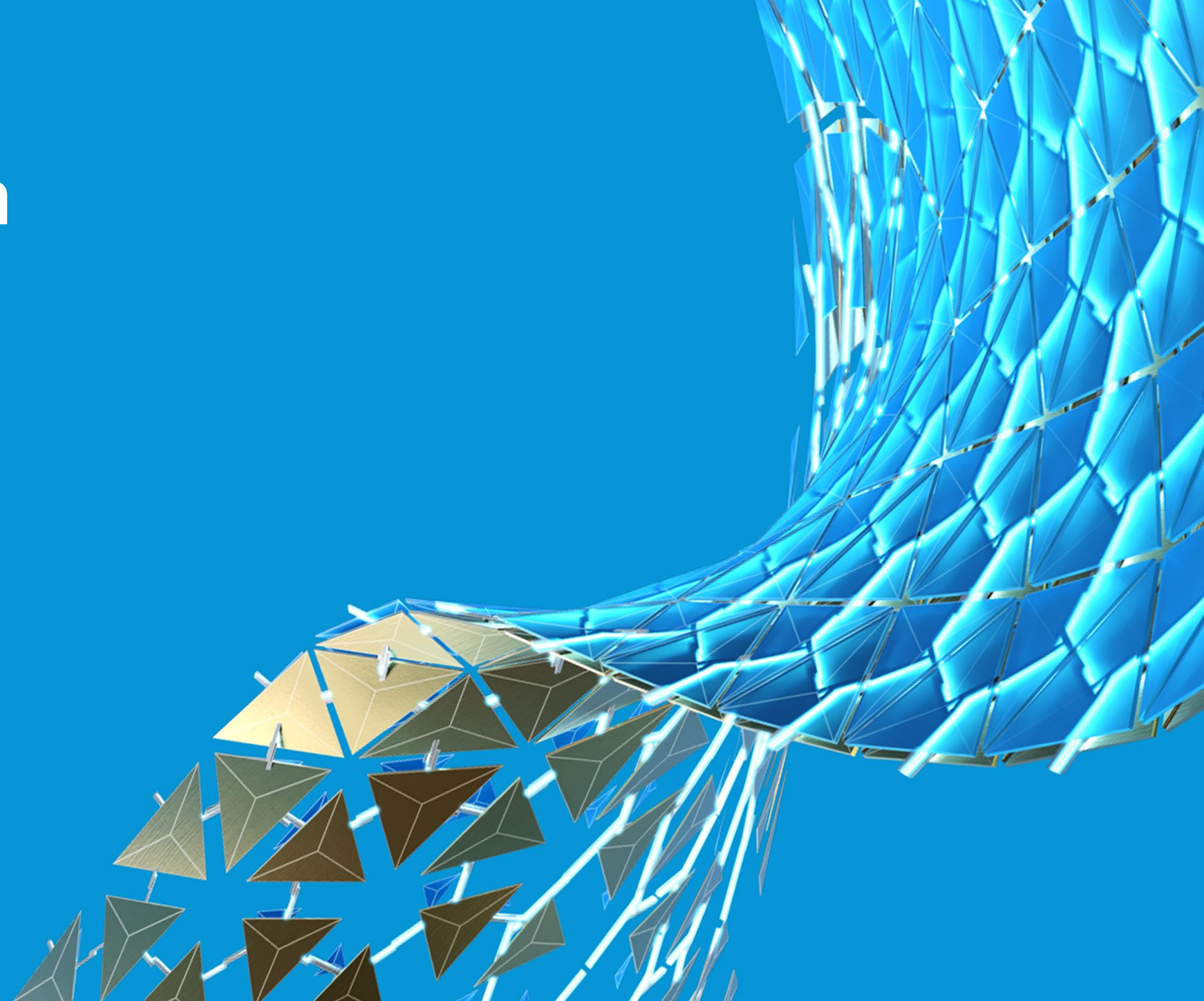
A few words about the project

In this lab we are going to work on a real-life project, which includes a bus stop station, two road junctions, three U-turns, and three small sites.

Expect to face some challenges and be ready for things not always to be perfect and pretty.



Lab division

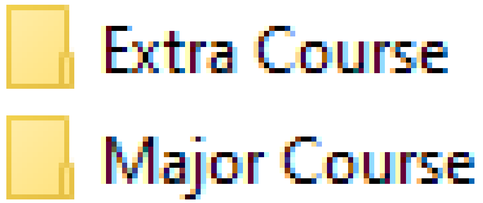


Major and extra courses

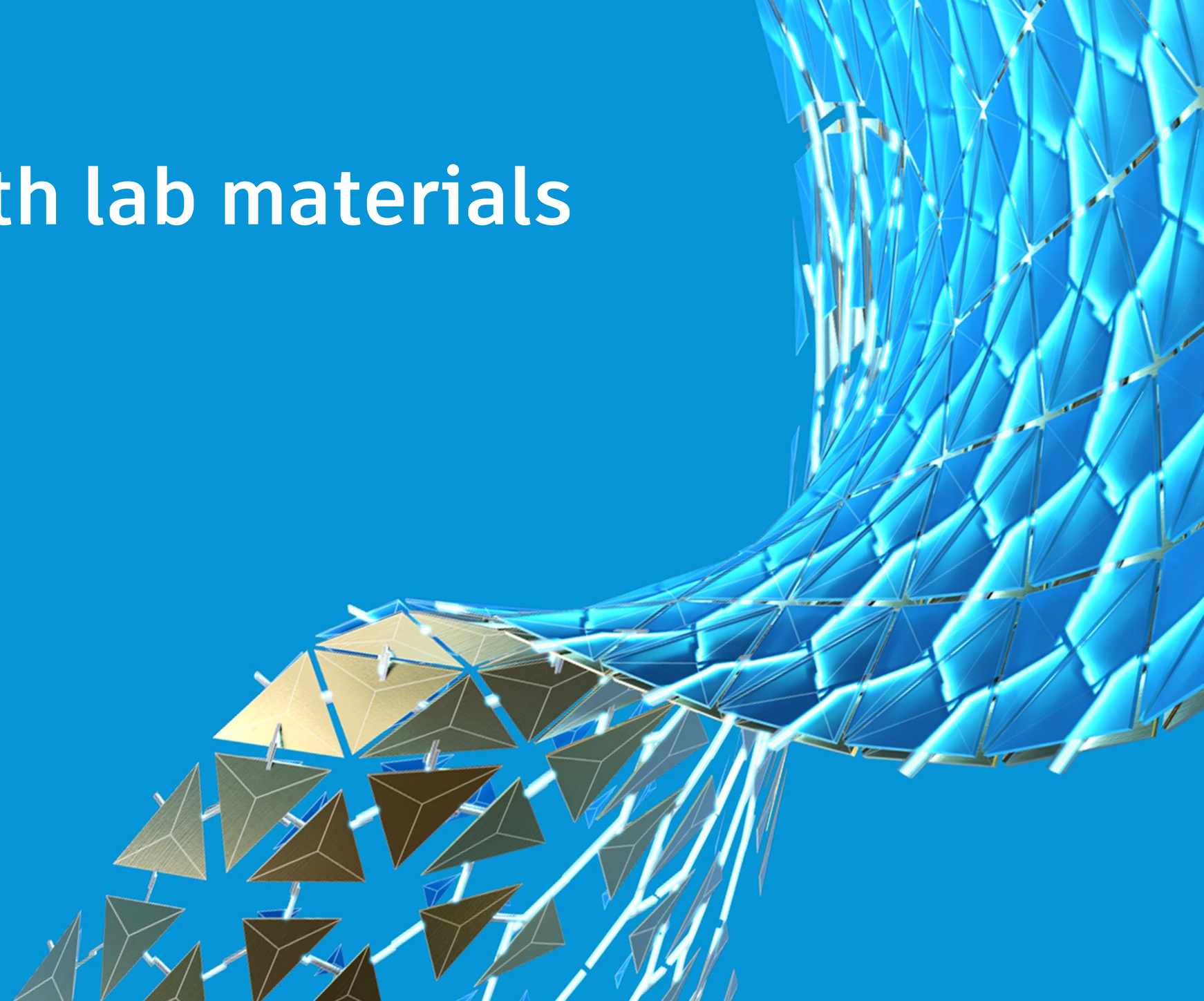
This lab is divided into two parts: a major course and an extra course.

The major course includes 7 exercises that cover basic principles of street designing in Civil 3D. If you are looking for a quick overview of those principles, follow the major course only.

The extra course has 11 exercises and brings a good consolidation of skills covered in the major course by bringing more practice. Also, some exercise provides unique methods of dealing with some challenges which are not covered in the major course.



Working with lab materials

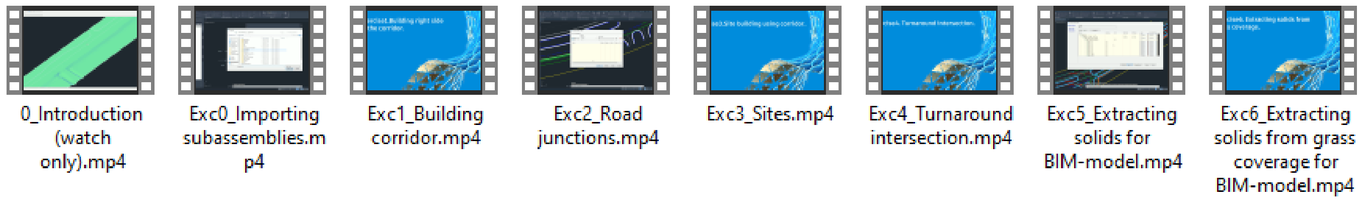


Video instructions and Hand-out

Besides the hand-out, which includes step-by-step text instructions with screenshots, there are video instructions for every exercise.

Just pick the best method which is more comfortable for you.

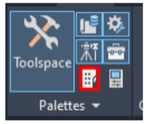
P.S. Me, personally, I recommend to combine them both ☺



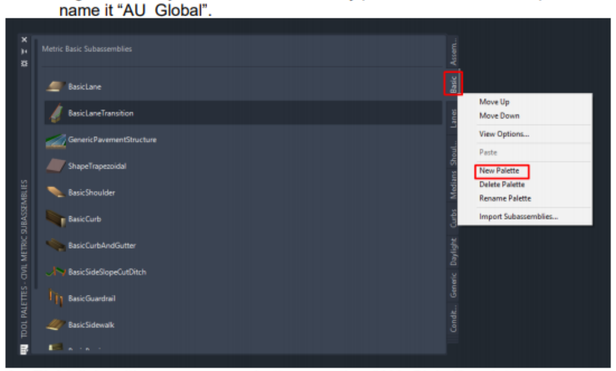
Exercise0. Importing subassemblies.

In this lab we will use pre-built subassemblies which were made is Subassembly Composer. For our assemblies to work right, we need to import them into Tool palette.

1. Opern the drawing Exc0_Importing Subassemblies.dwg
2. Go to Ribbon => Tool palette.

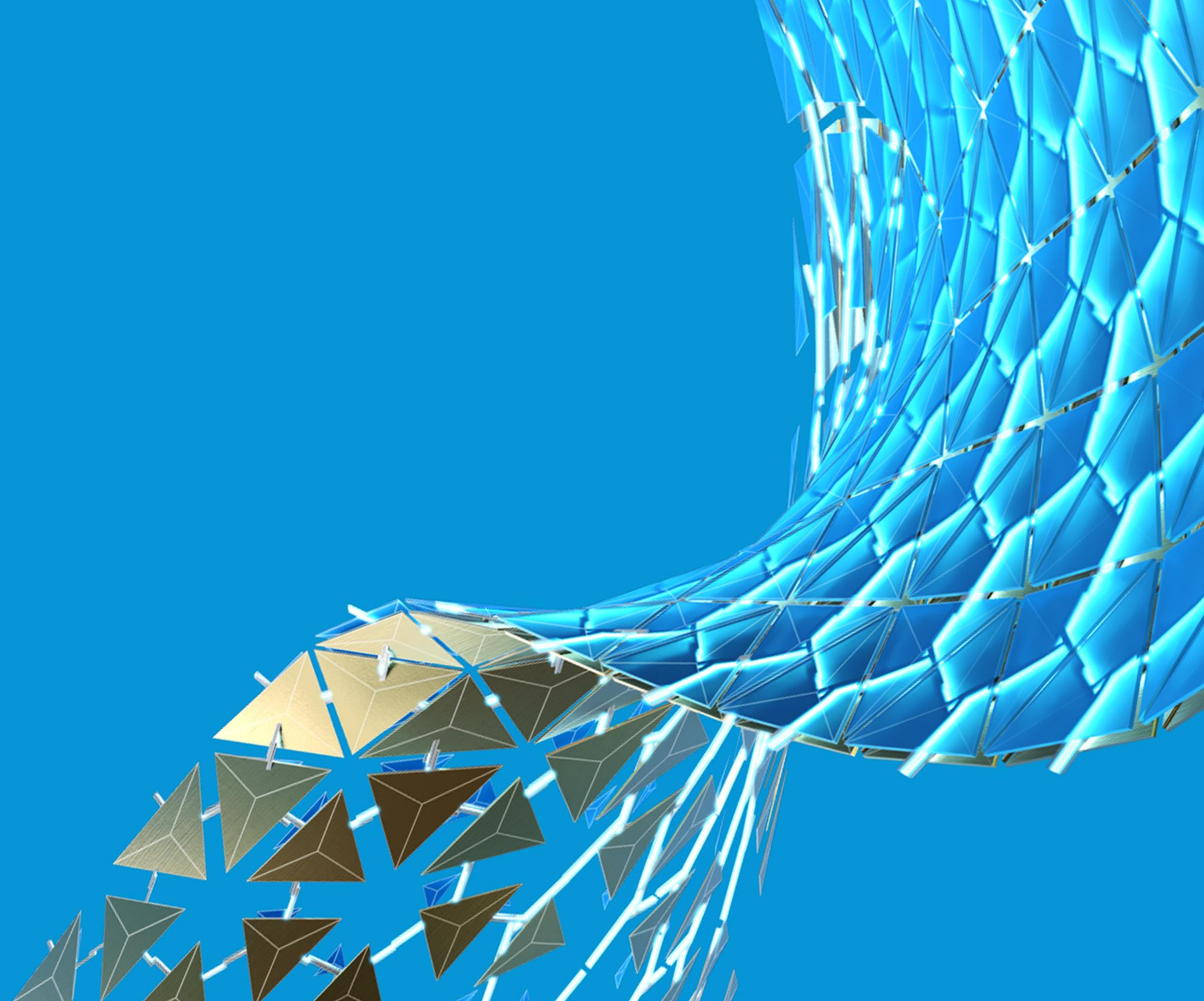


3. Rightclick with your mouse button on any palette and select "New palette" command and name it "AU_Global".



4. Rightclick with your mouse button on the "AU_Global" palette and select "Import Subassemblies".

Epilogue



It is all about being patient

After many years of training in Civil 3D I what to highlight the one and the only thing you need to start working in Civil 3D is patience.

It is not about how many times you fail, it is about how many conclusions you bring out of these fails.

I hope this lab will bring something useful and helpful.

Good luck, my friends! And be patient!

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