AUTODESK. UNIVERSITY

PlanGrid: Advanced Field Workflows

Jackson Sensat

Implementation Specialist

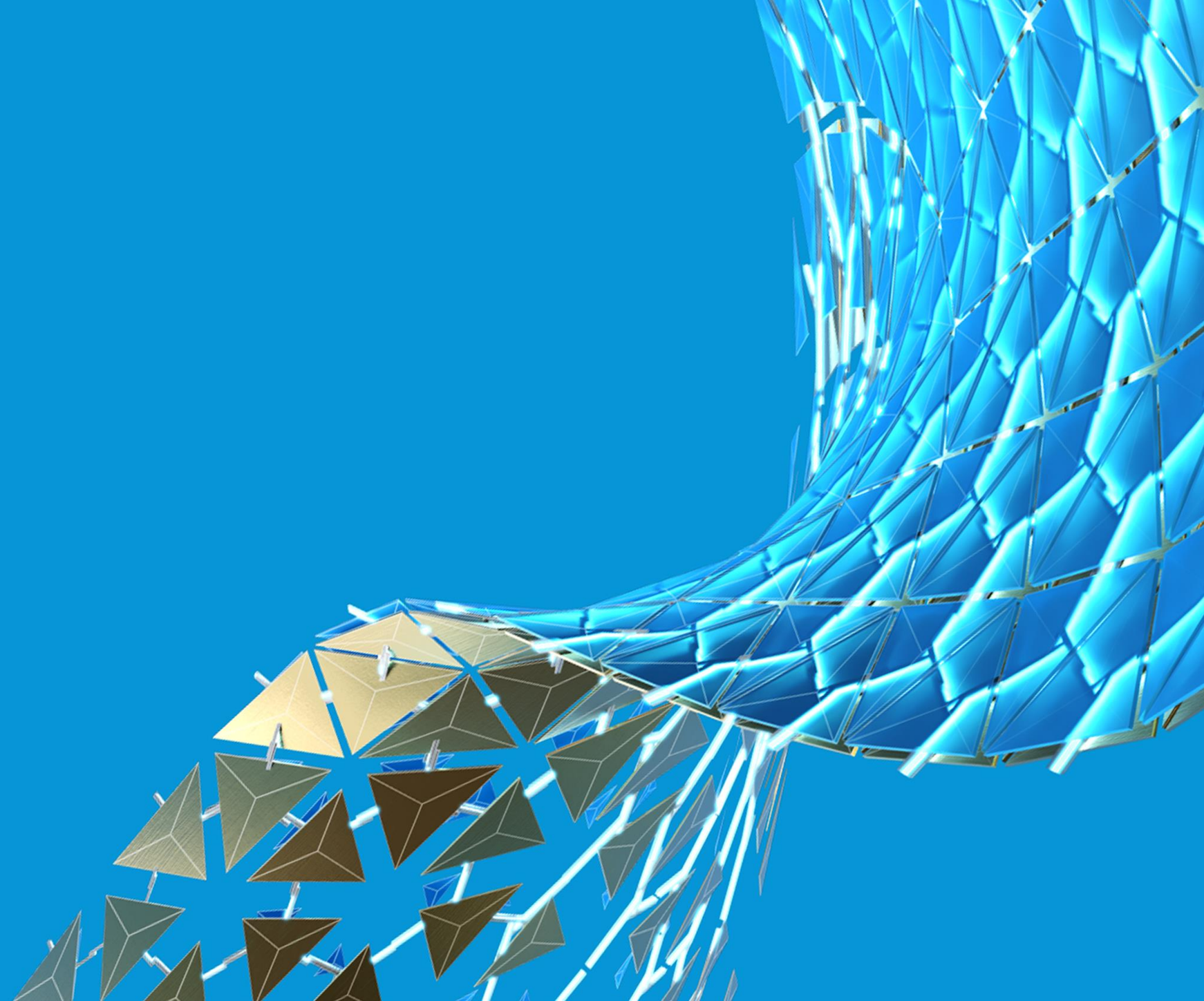
Applied Software Technology, Inc.

About the speaker

Jackson Sensat

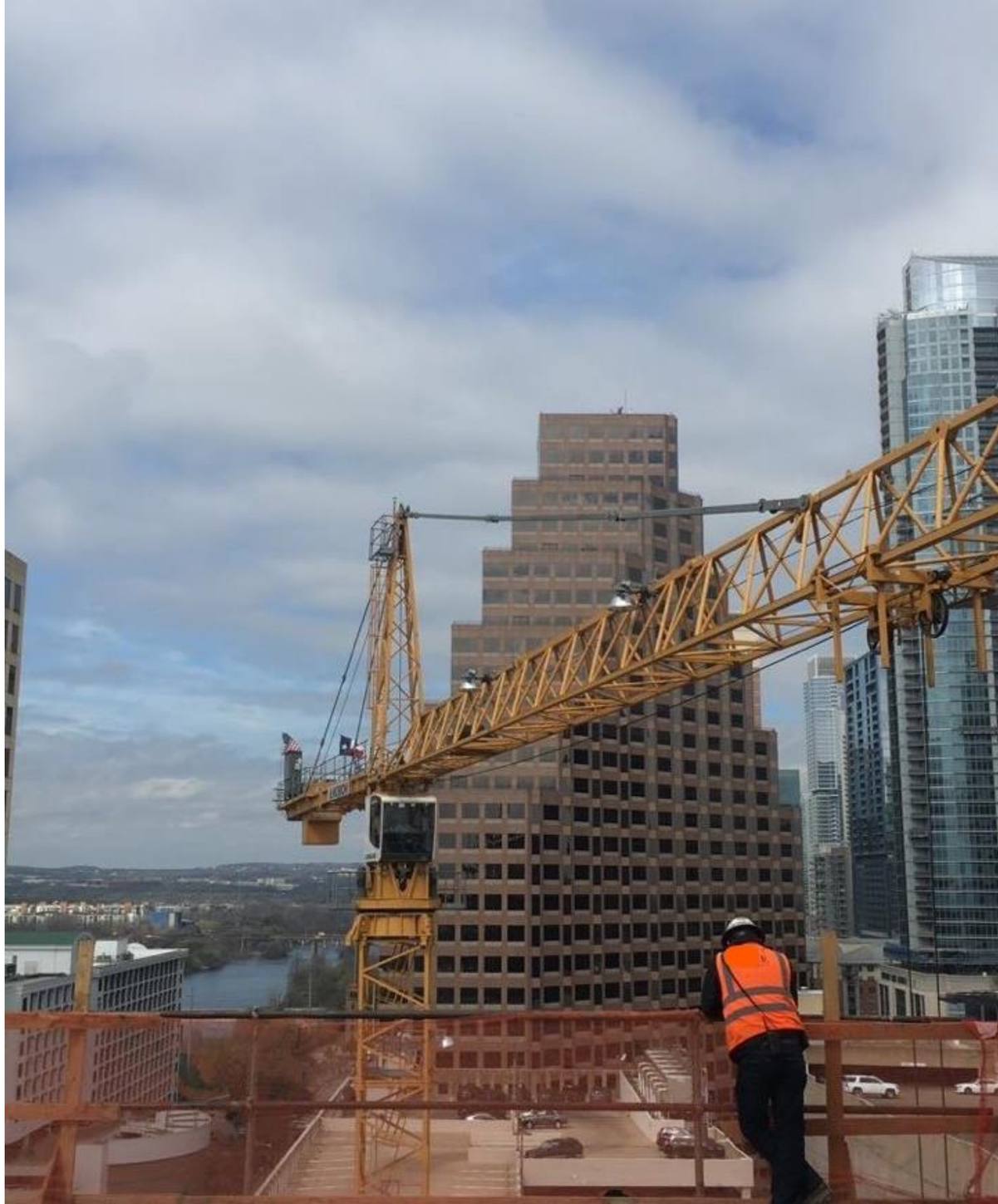
- **Texas A&M University**
  - BS in Construction Science
- **Experience with General & Subcontractor**
- **Past Project Experience**
  - Marriott Cesar Chavez Hotel
  - CyrusOne Datacenter
  - Molecular Templates Cleanroom
  - Austin Baptist Church Expansion

The Field



The Field Experience

- Emphasis on efficiency and installing work on schedule, within budget, and at the specified level of quality
- Where the money is made
- Labor is your biggest risk
- No two days on the construction jobsite are the same
- Several different companies coexisting in the same environment



What Causes Low Productivity in the Field?

TRADES NOT BEING ON SAME PAGE

- Lack of single source of truth
- Insufficient planning
- Results in rework

PAPER REPORTS

- Paper reporting and checklists waste time in both office and field
- Take time away from the important tasks

REWORK

- Results in unforeseen costs
- Delays schedule
- Causes low morale among field teams

LACK OF PROCEDURE AND STANDARDS

- Procedure and standardization lower risk
- Improper procedure and stadardization can result in a high amount of safety infractions and even incidents

What Makes a Job Successful?

- Finishing ahead of schedule due to a well executed plan
- Finishing below budget through efficiency in the field
- Great safety record through well executed safety plan
- High quality through standardization and well executed quality plan

How PlanGrid Helps the Field

PROVIDES SINGLE SOURCE OF TRUTH

Virtually eliminates risk of rework by ensuring field team is working off of the most current documentation. Universal markups on drawings champions standardization and transparency.

ELIMINATES PAPER WORKFLOWS

Digitizes drawings, timecards, safety checklists, quality checklists, RFIs, and submittals. Eliminates need to scan and file away paper documentation.

MOBILE APP IS EASY TO USE

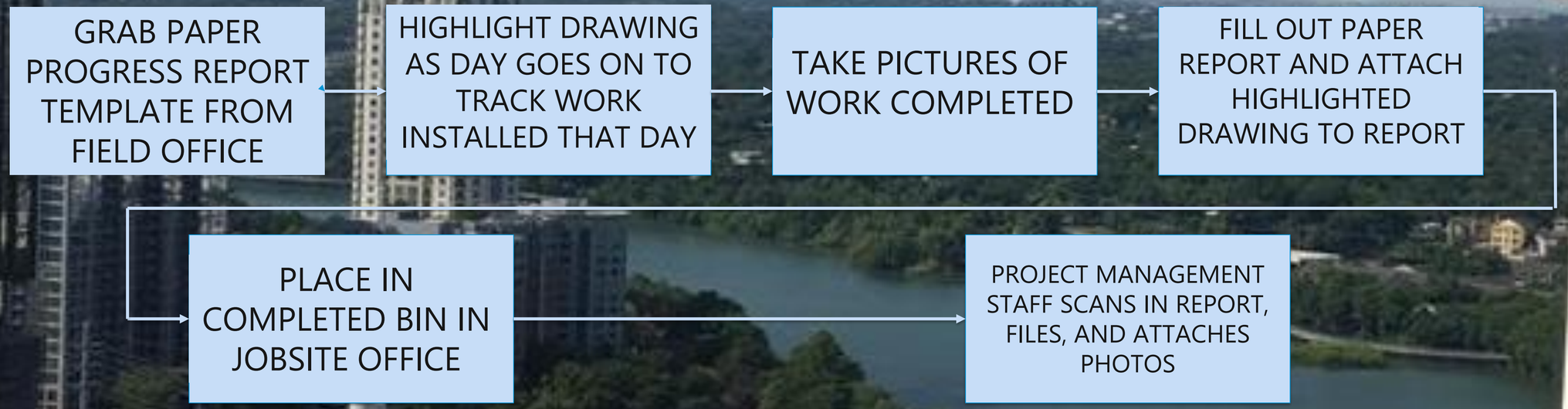
PlanGrid's intuitive user interface is designed with the field in mind. Using PlanGrid, field personnel can perform virtually any field workflow from directly on their phone or tablet.

GIVES ABILITY TO PERFORM PROJECT AND FIELD MANAGEMENT WORKFLOWS DIRECTLY FROM FIELD

PlanGrid allows superintendents, foreman, and project management to easily create RFIs, manage issues, and execute checklists.

PlanGrid
AN AUTODESK COMPANY

FIELD WORKFLOW- DAILY PROGRESS REPORT



FIELD WORKFLOW- PRE-POUR CHECKLIST

GRAB PAPER PRE-POUR CHECKLIST FROM FIELD OFFICE

HIGHLIGHT POINTS ON PENETRATION DRAWING TO CONFIRM THEY ARE THERE AND IN CORRECT SPOT

TAKE PICTURES OF SLEEVES, DRAINS, AND BLOCKOUTS

FILL OUT PAPER REPORT AND ATTACH MARKED UP DRAWING TO REPORT

PROJECT MANAGEMENT STAFF SCANS IN REPORT, FILES, AND ATTACHES PHOTOS

PLACE IN COMPLETED BIN IN JOBSITE TRAILER

Image caption goes here

FIELD WORKFLOW- ISSUES

WALK IN THE FIELD AND MARK ISSUES ON A PIECE OF PAPER AND TAKE A PICTURE

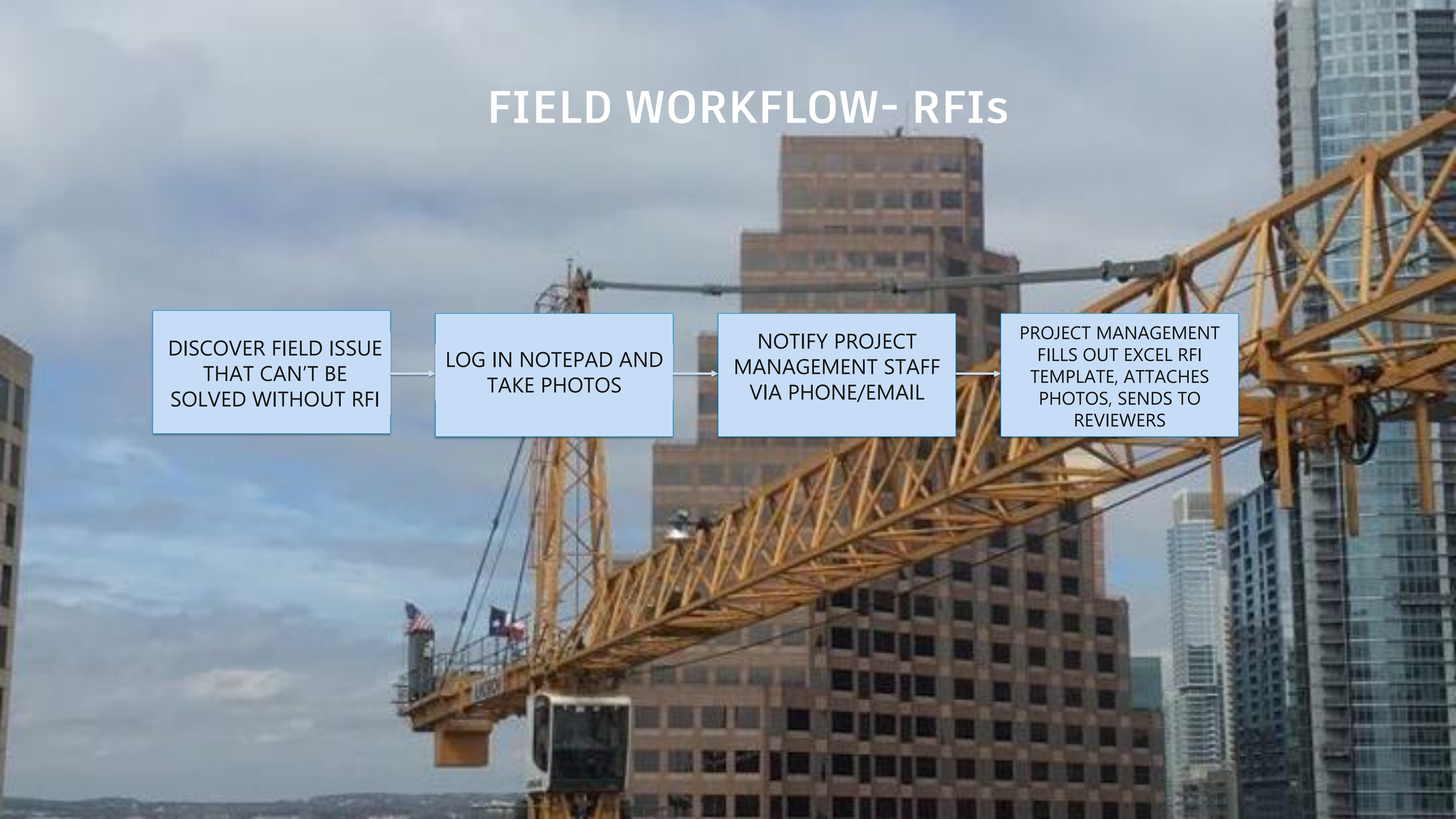
PUT ISSUES NOTED IN THE FIELD ON EXCEL DOCUMENT IN COMPANY DRIVE

LET RESPONSIBLE SUPER OR FOREMAN KNOW VIA PHONE CALL AND/OR EMAIL

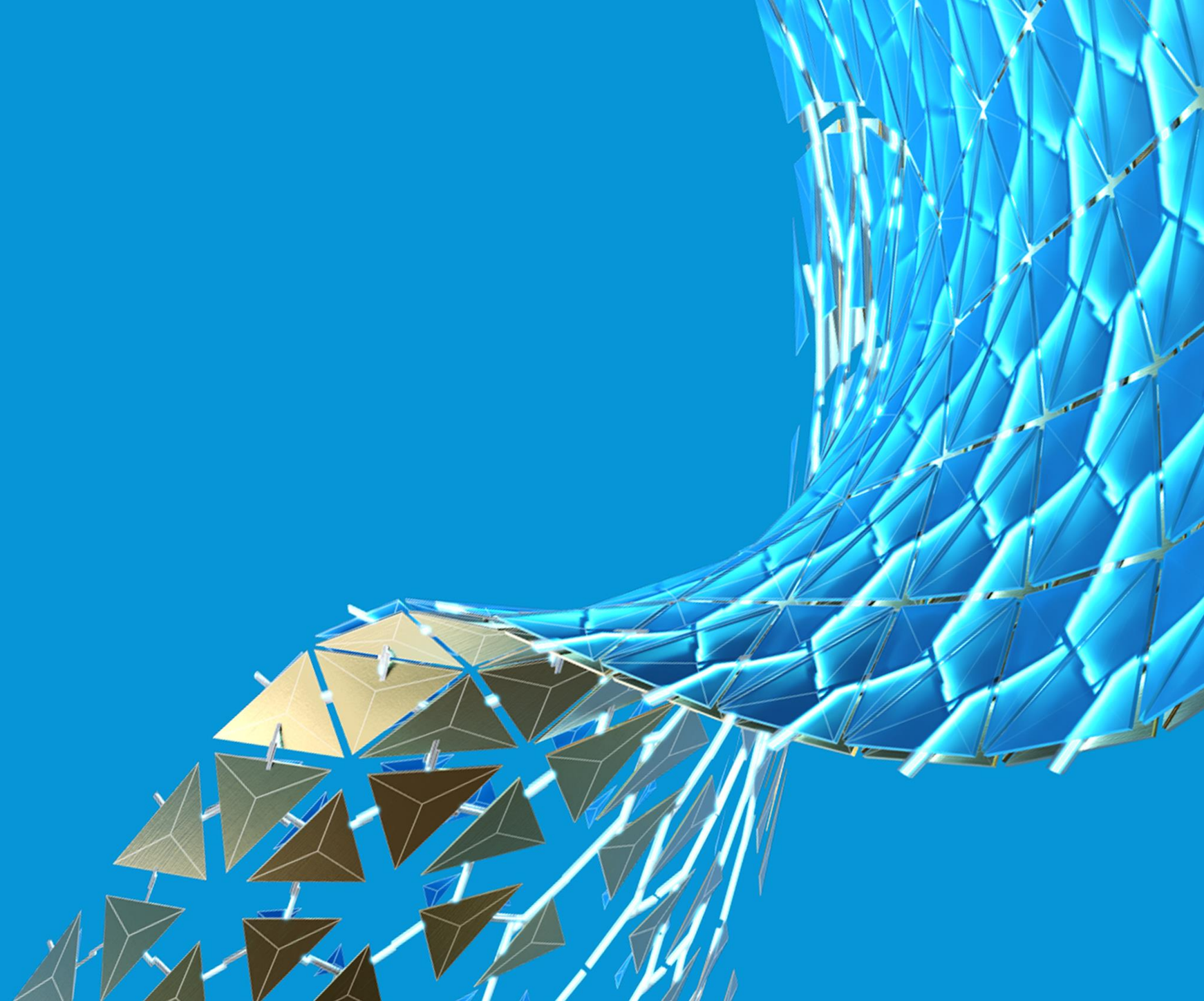
ONCE TASK IS COMPLETED AND VERIFIED CLOSE TASK IN EXCEL SHEET ON COMPANY DRIVE

Image caption goes here

FIELD WORKFLOW- RFIs



Live Demo



Autodesk and the Autodesk logo are registered trademarks or trademarks of Autodesk, Inc., and/or its subsidiaries and/or affiliates in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders. Autodesk reserves the right to alter product and services offerings, and specifications and pricing at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.

© 2020 Autodesk. All rights reserved.