Stop Wasting Paper: Digitize Construction Field Support, Quality and Safety with PlanGrid

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AUTODESK.
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Agenda

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- Introductions

- How did we get to this point?

- Case Study- Going to the Next Level

- Building a Digitized Project Template

- Setting a Markup Standard

- Using Tasks and Field Reports for Field Support, Quality and Safety

- Leverage the Data

Who are We?

About the speaker

Mike Mehrwin

- 20 Years of leveraging VDC for Design and Construction

- Like to Solve Problems

- Married with two grown children and two grown dogs

- Never Fully Grown up

- I like to build things, but I'm not very handy

About the speaker

Rob Decker

- Worked in BIM field for 16 years St. Louis and Kansas City.

- Been with CRB for 3 years.

- Using PlanGrid for 2 years on different size projects.

- Married for 19 years with a 9-year-old daughter.

- Sports fan, diehard Stanley Cup Champion Blues fan.

Before PlanGrid

After PlanGrid

Who is CRB?

ENGINEERING ARCHITECTURE CONSTRUCTION CONSULTING

Markets We Serve

Biotechnology

Pharmaceuticals

Science + Tech

Food + Beverage
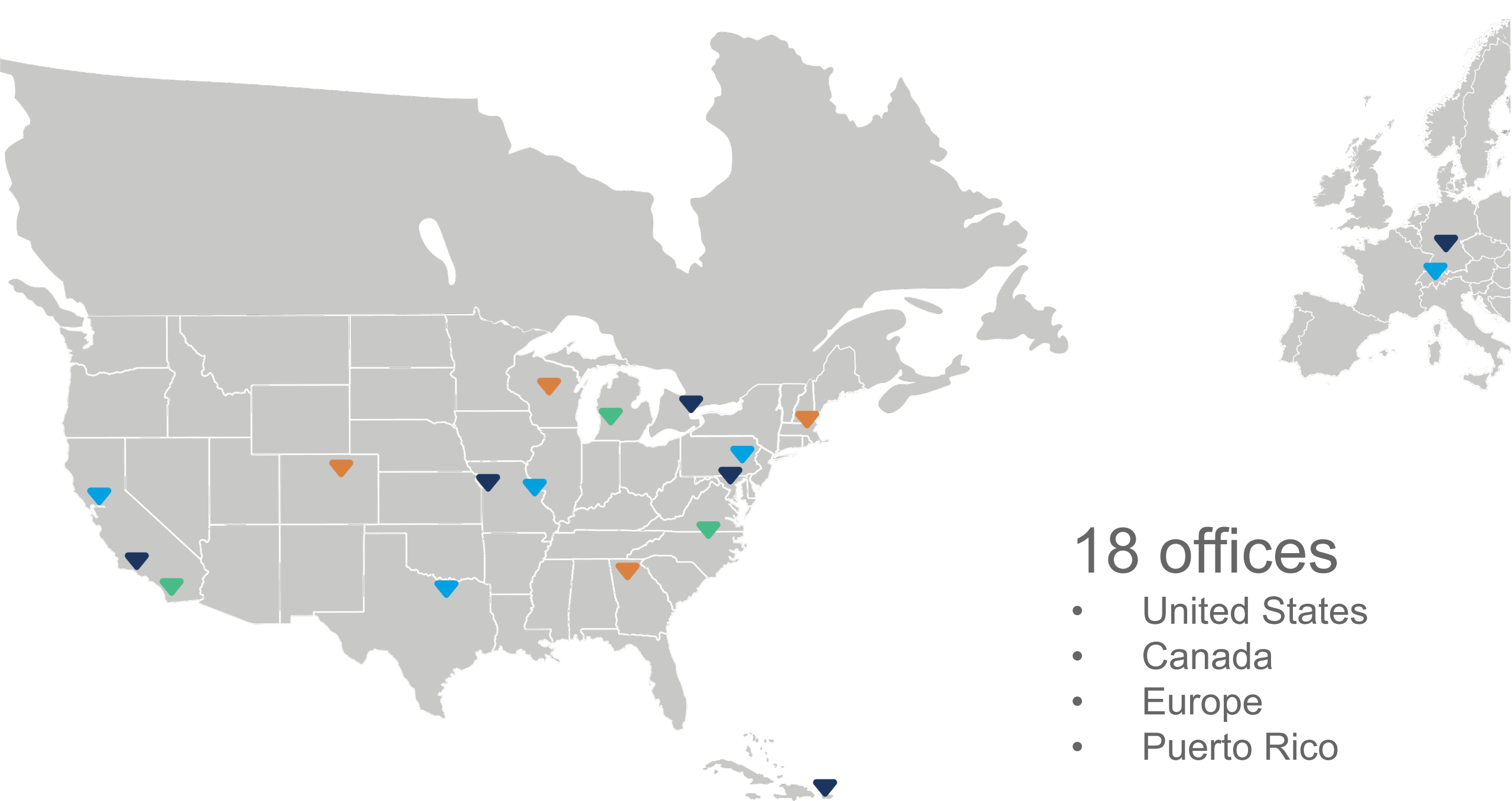
18 offices
- United States
- Canada
- Europe
- Puerto Rico

Let's Get to Know You

Let's Get to Know You!

What is Your Experience with PlanGrid?

How Did We Get to This Point?

Recognize the Need for Digital Workflow

PlanGrid v BIM360

PlanGrid + BIM360!

PlanGrid

AN AUTODESK COMPANY

Leadership Support and Buy In
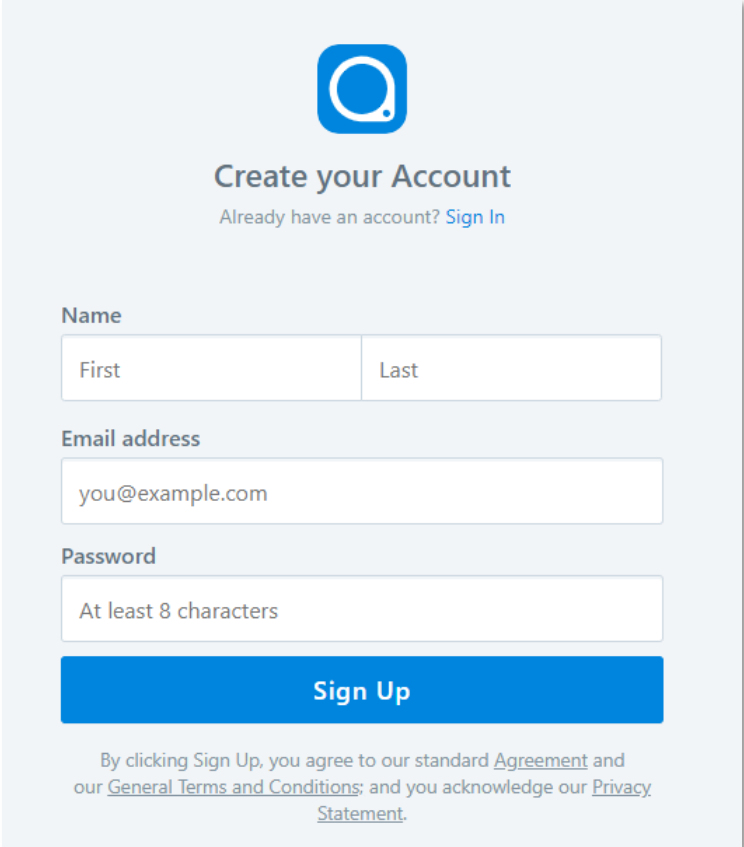
Rollout and Adoption

User Creation
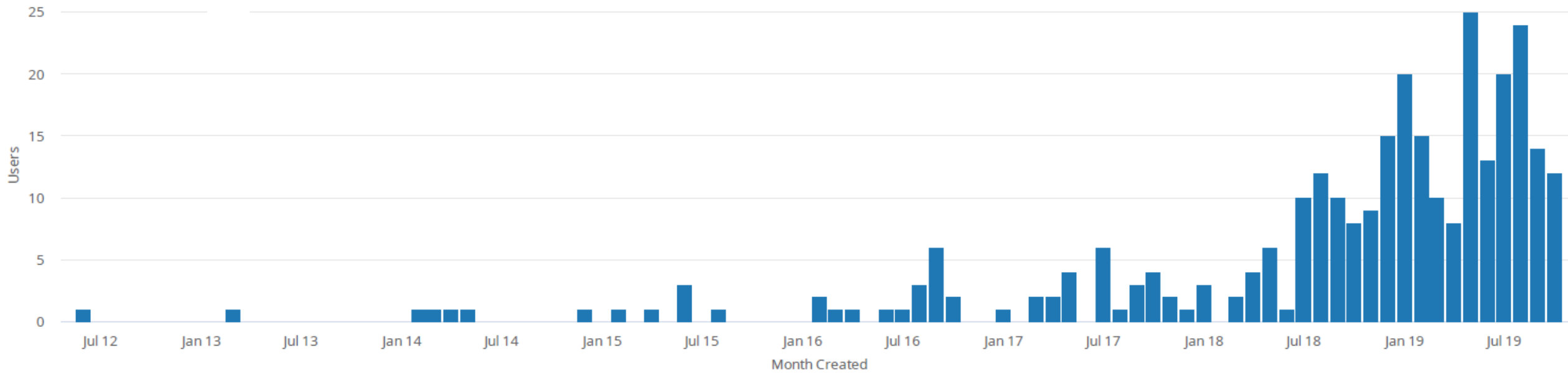
Rules of Engagement

- CRB provides licenses for internal use.

- CRB Invites owners and trade partners to join the project platform with their own licenses, communicated at bid

Consistency Starts with a Template

Start with a Blank Project

Customize Stamps

Create Field Report Folder Structure and Upload Templates

Field Report Setup Example

Create Documents Folder Structure

Assign Admins that need Template Access

Clone the Template to Make New Projects

Record Drawing Strategy

Project File as a Deliverable

Sample As-built Package

CRB Standard PlanGrid Functions

SHEETS- ELECTRONIC STICK SET

CRB Standard PlanGrid Functions

ACCESSING PROJECT DOCUMENTS

CRB Standard PlanGrid Functions

- Field Redlines for Record Set

- Links to RFI Responses

- Links to Markups Created Outside of PlanGrid
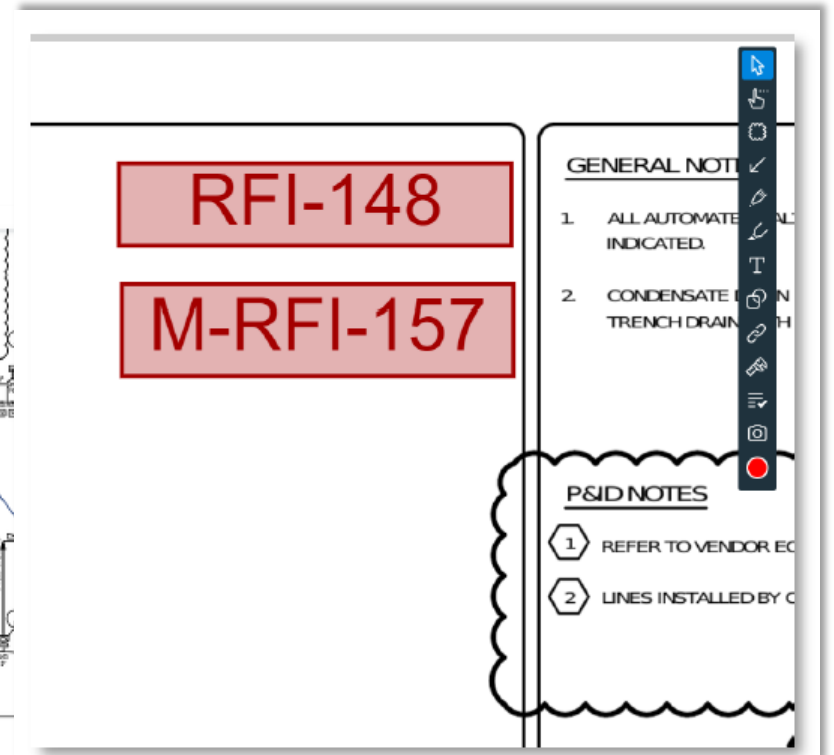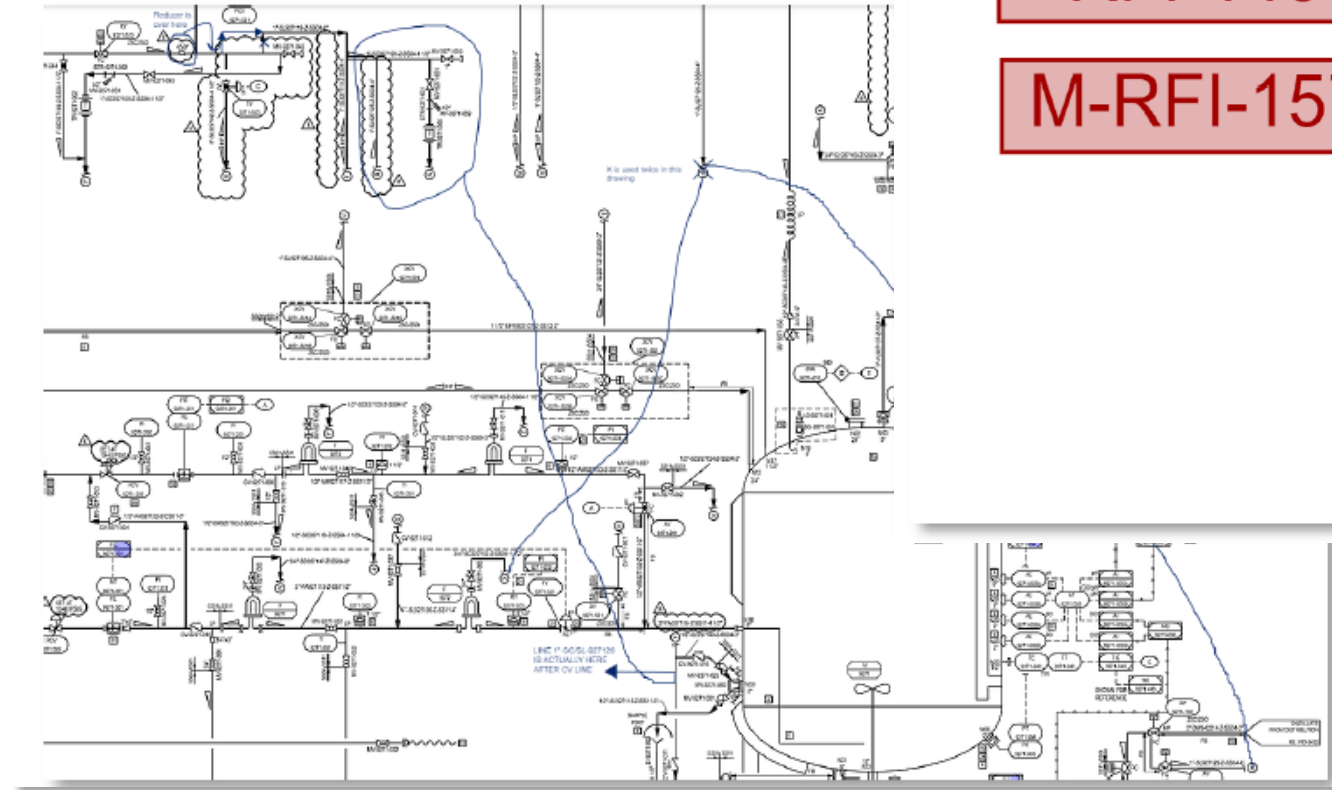
MARKUPS

CRB Standard PlanGrid Functions

- Site Observations

- System Walkdowns

- Punch List
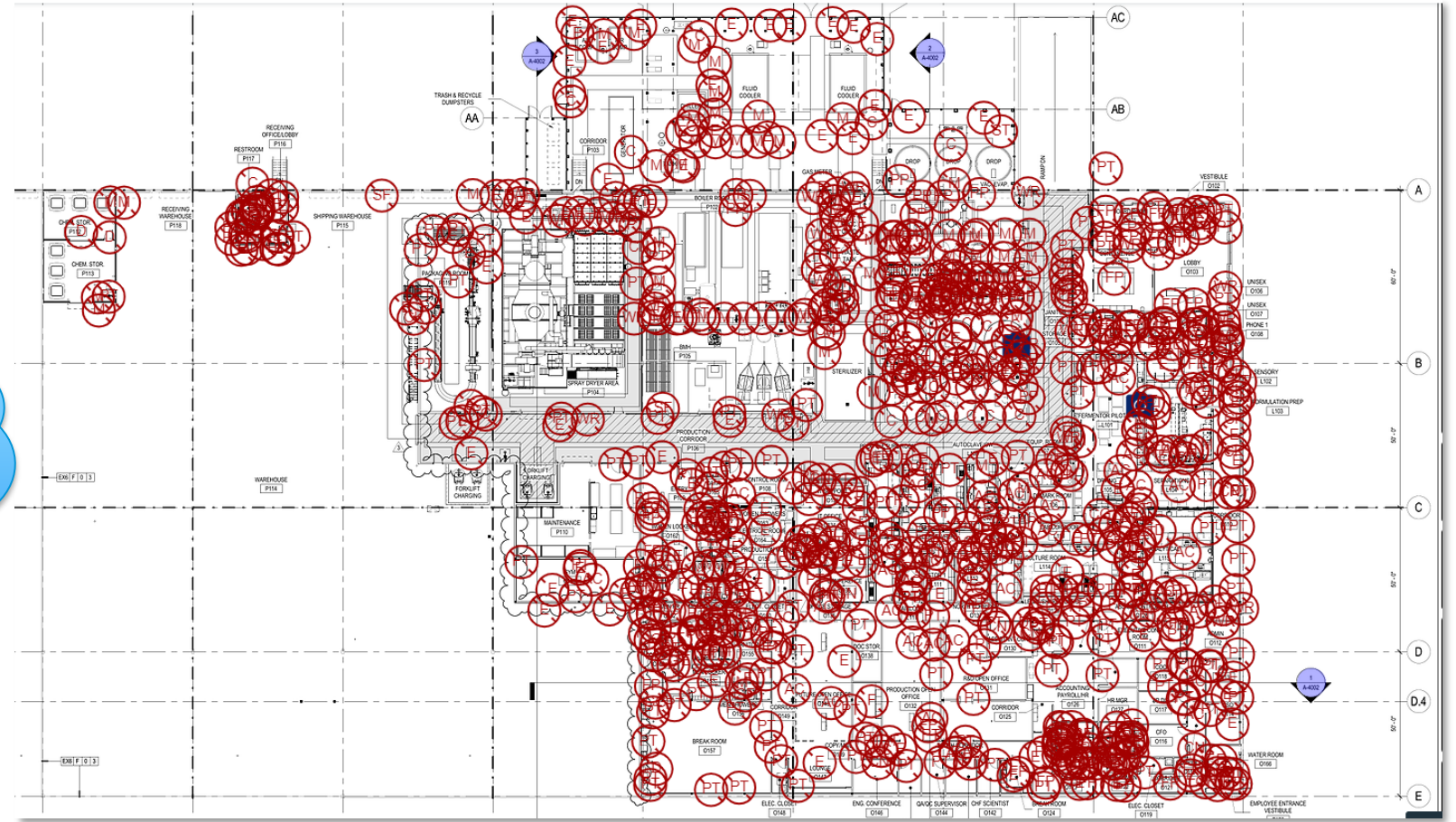
TASKS

CRB Standard PlanGrid Functions

PHOTOS

CRB Standard PlanGrid Functions

FIELD REPORTS

Case Study: Advanced Workflows for a Challenging Project

Case Study

- Manufacturing

- Solvent Storage

- Shipping/Receiving

- Offices
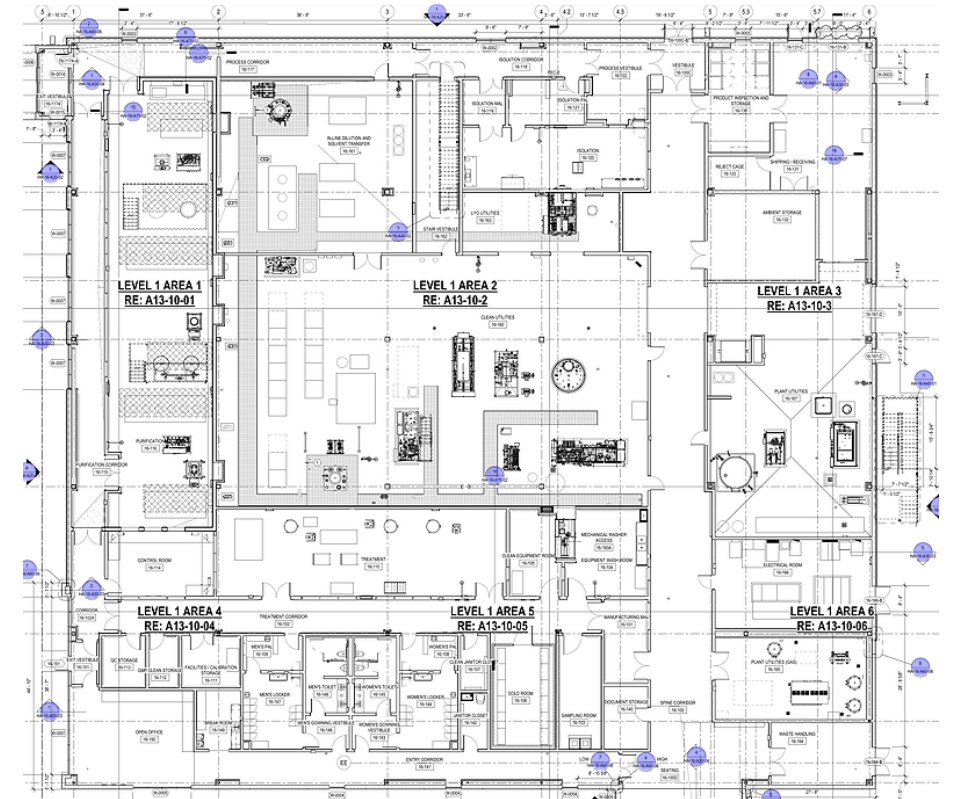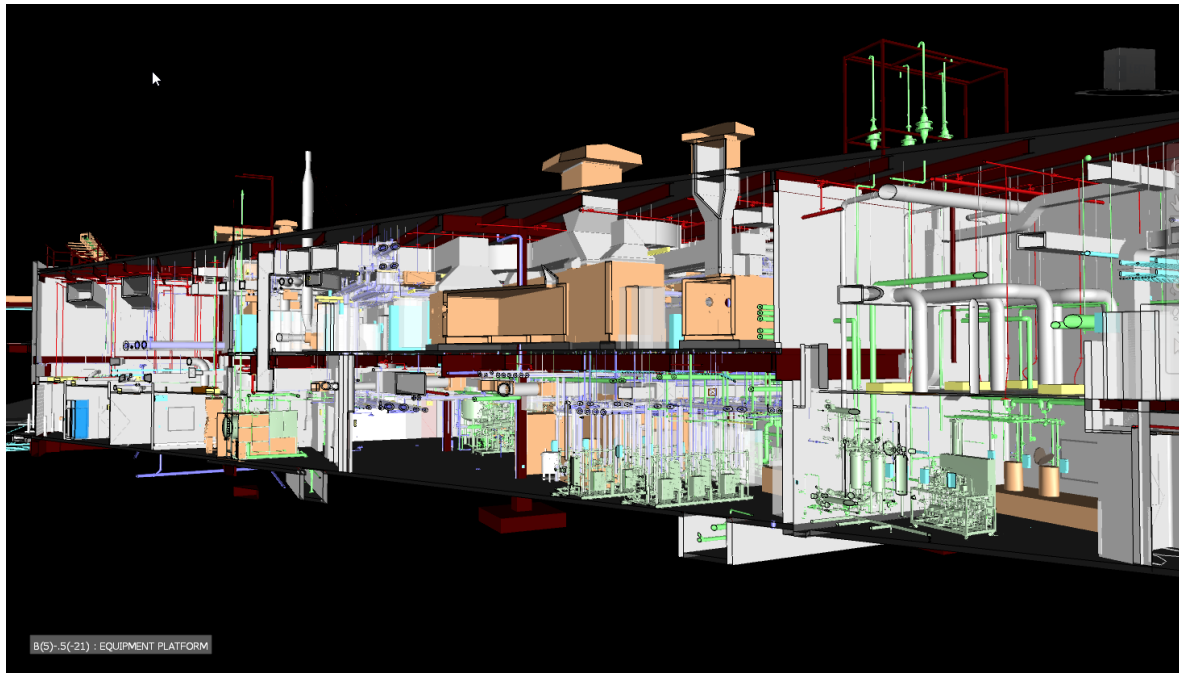
Why?

- Clients were very paper dependent

- Press hard- Three Copies

- Open to discussion of a better way

Challenges

- Everything we had was on paper

- We didn't know how to digitize

- Workflows conflicted with current standards

- Field Reports in PlanGrid have limits
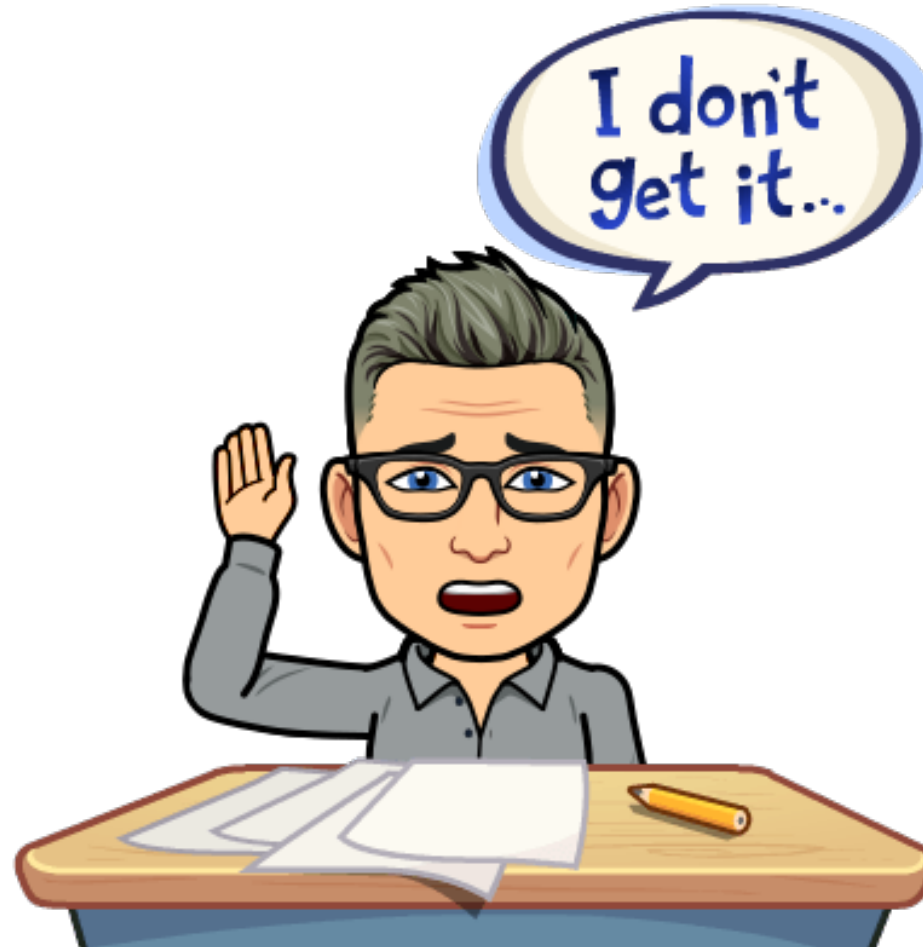
Getting the Most out of the Tool

- Training

- Overcome Status Quo
Resistance

- More Training

- Rapid Response
Support Structure

- Even More Training

Moving Beyond the Standard

- Full Field Report Integration

- Paperless Execution

- Tracking Man Hours

- Quality Plan Integration

- Safety Integration
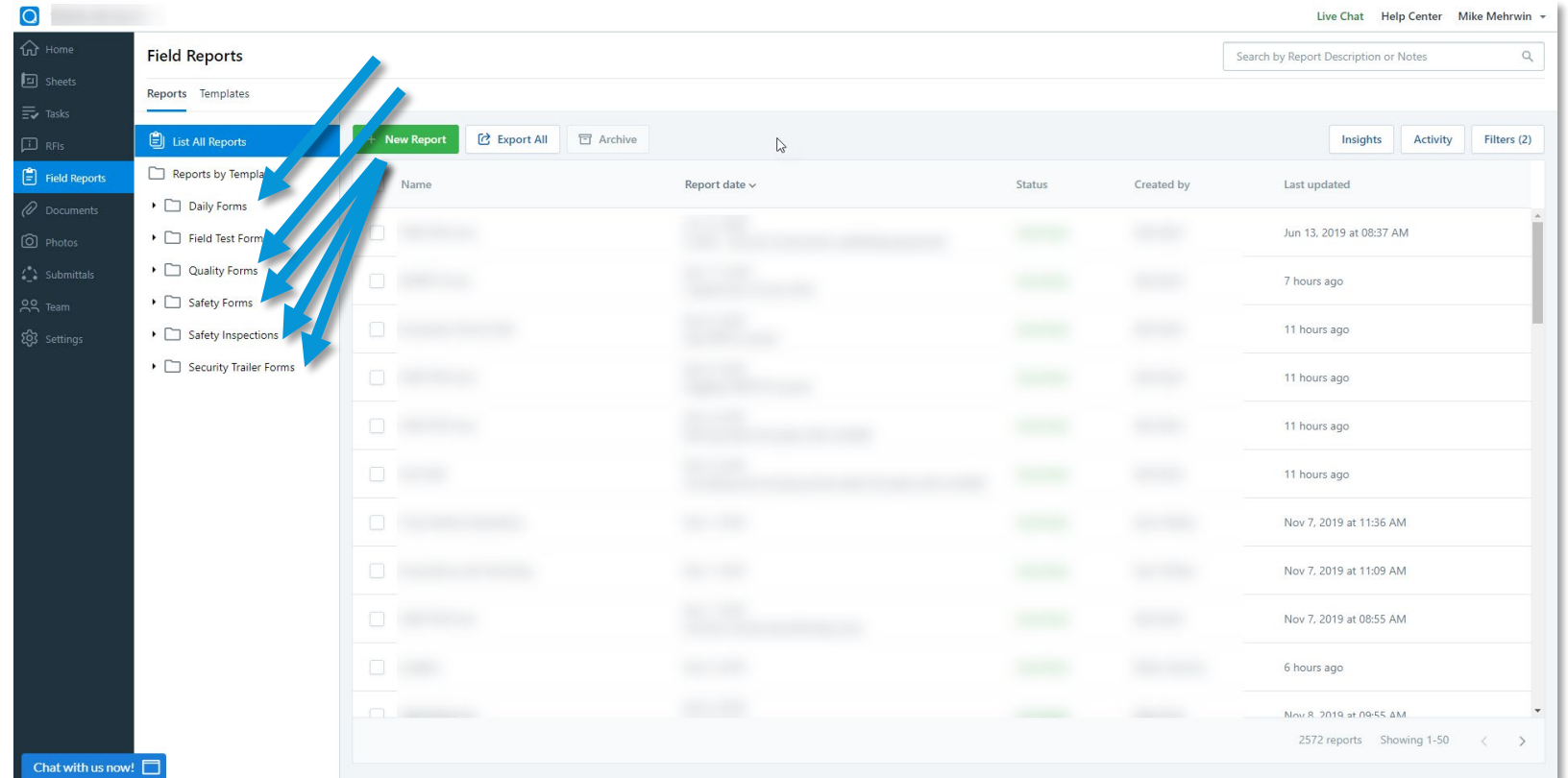
Data Collection and Analysis

Where are We Putting the Data?

- Leaving what we can in PlanGrid

- Some duplication into current Project Management Software

- Extracting to Delphi Data Warehouse (in progress)

What are We Doing with the Data?

- Tracking Hours for Safety Reporting within Power BI

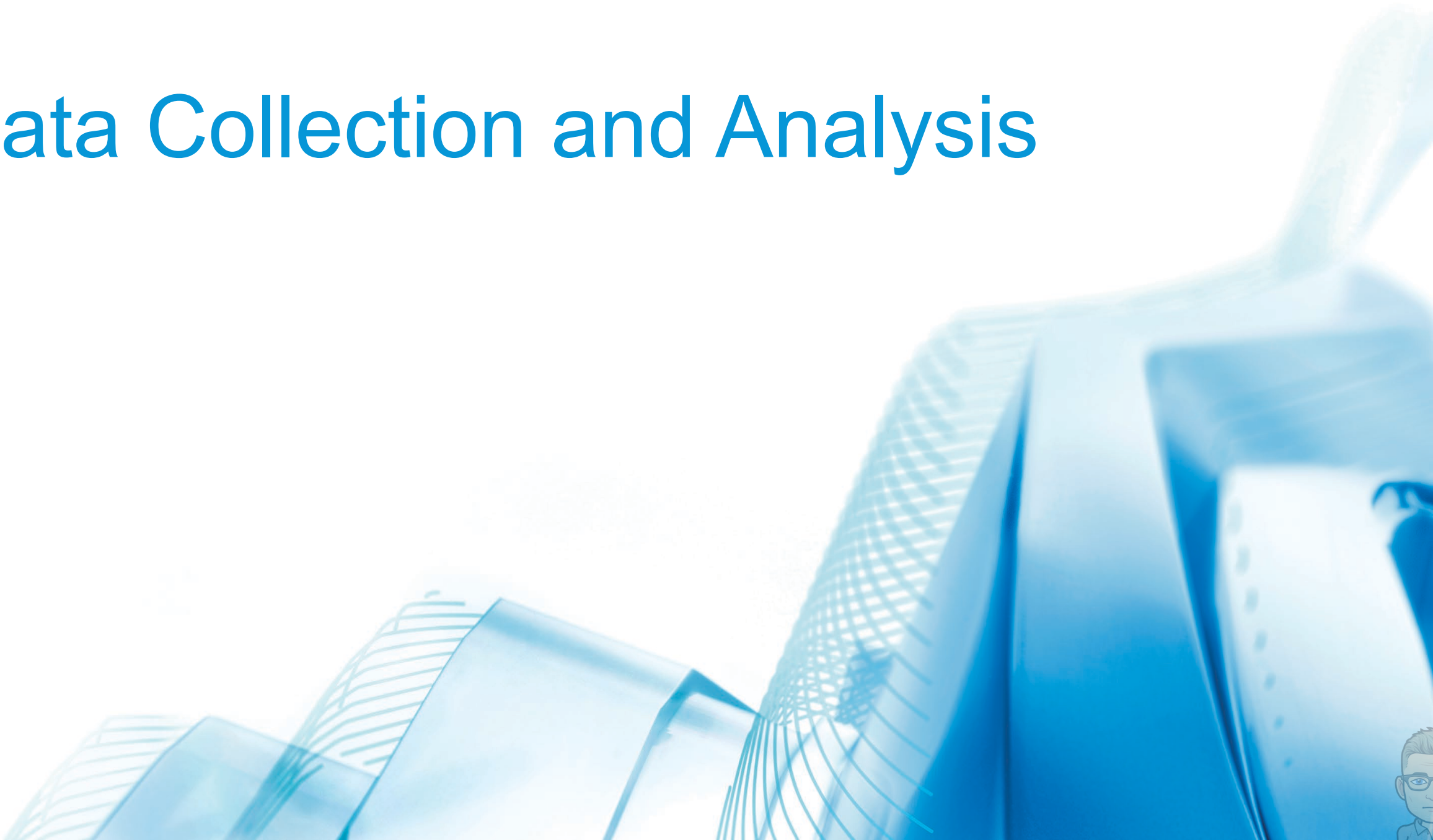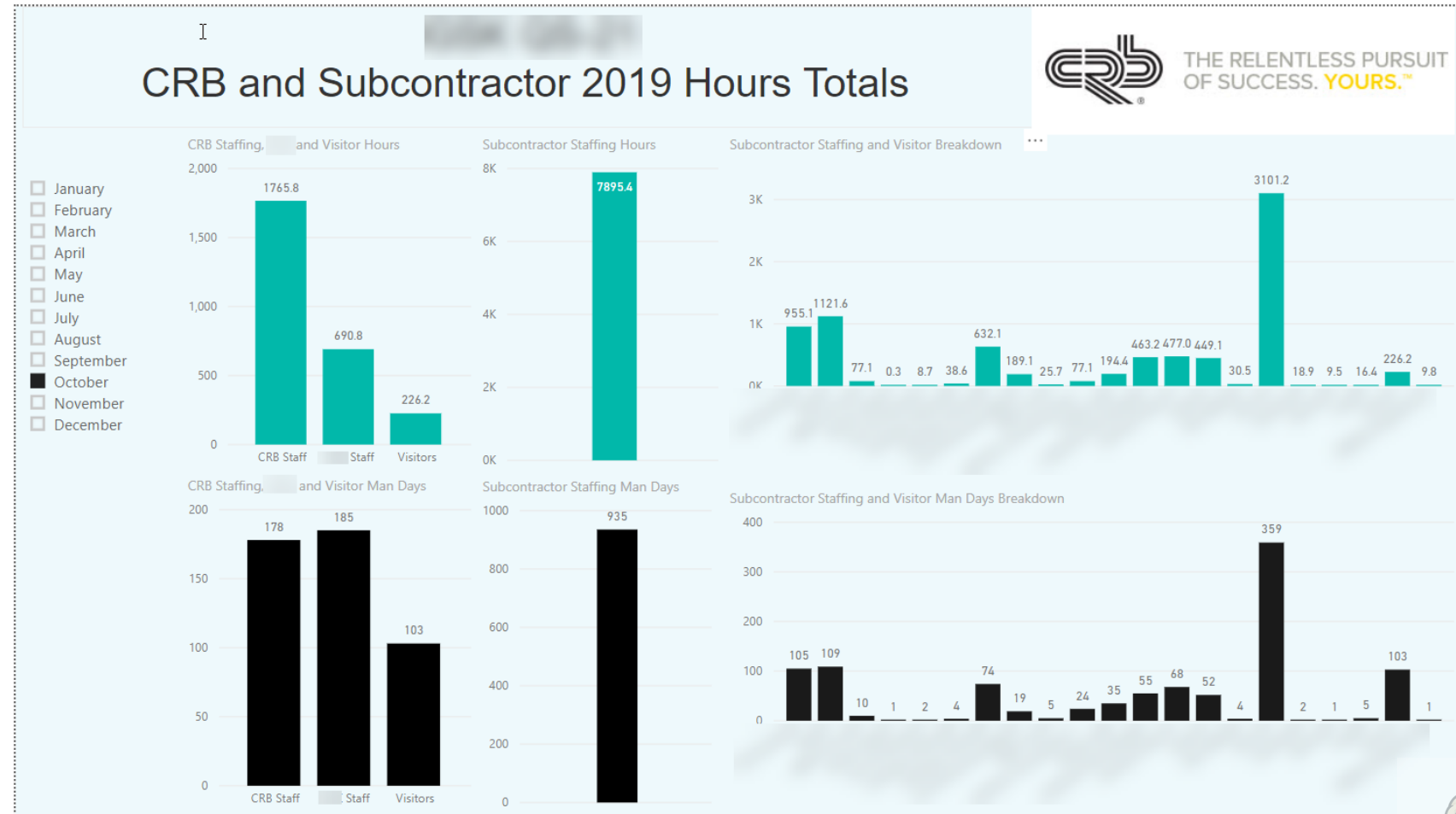- Gathering Data for Trending of Safety Observations, Quality

- Eliminating Duplication of Efforts in Existing Reporting

Is it Worth It?

Benefits

- Template fosters Standard Project Execution

- Mobile access to Current Plans and Advanced Tools

- Simple User Interface Fostered Adoption

- Confidence in Current Plans

- Happy Users

- Increased Collaboration

Passive Data Collection for the Office

Why is this Important to Us?

Time is Life.