

Think Beyond



# Woolpert at a Glance

We Cover the State



6 locations  
across Texas

Founded in Dayton in  
1911

We Cover the World



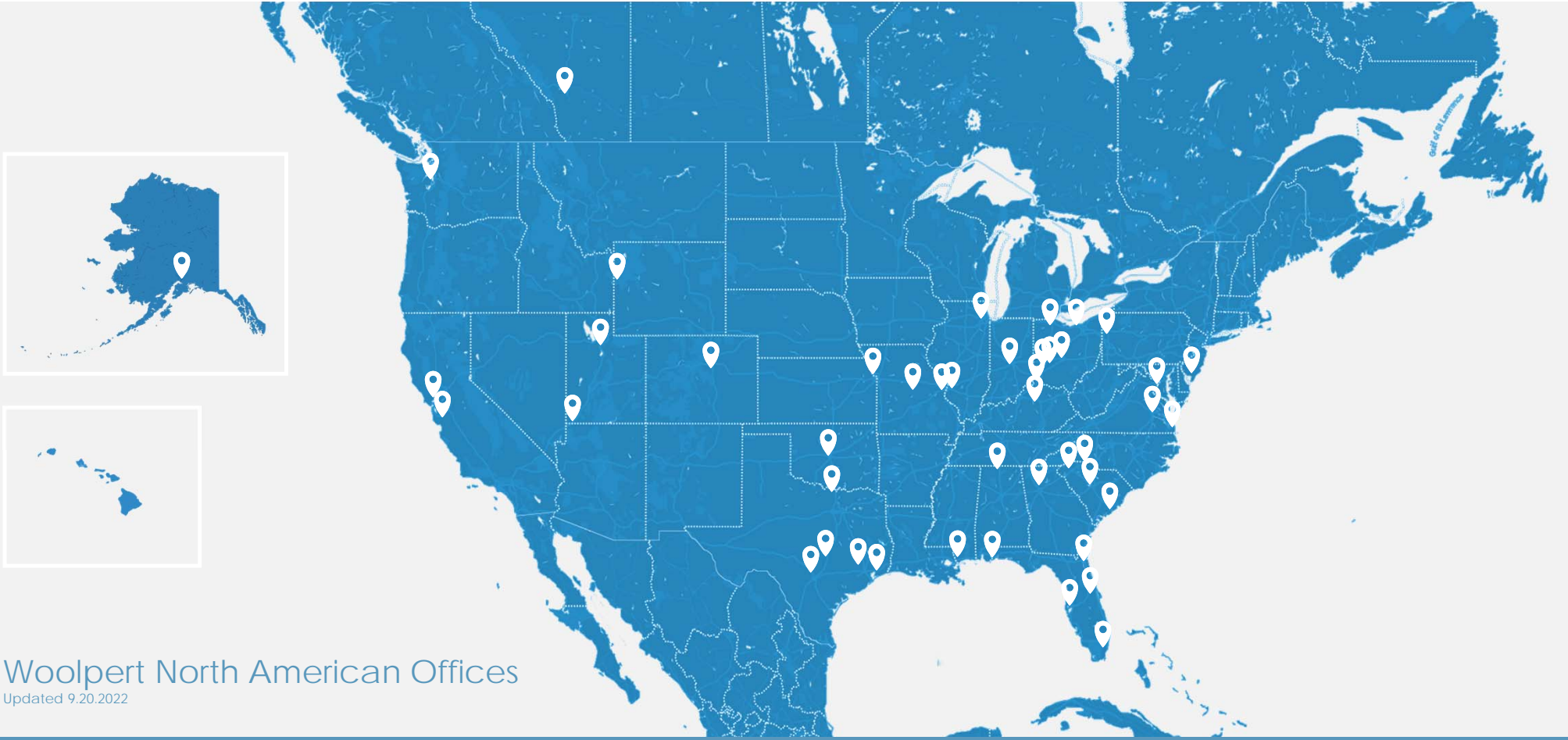
60+ offices  
worldwide

Including Australia, Canada,  
Malaysia, New Zealand,  
Singapore, South Africa, UAE

We Have the Experts



1,900+  
global employees



# Woolpert North American Offices

Updated 9.20.2022

- |                   |                |                         |                    |                   |                  |                    |                    |
|-------------------|----------------|-------------------------|--------------------|-------------------|------------------|--------------------|--------------------|
| Athens, AL        | Cincinnati, OH | Denver, CO              | Houston, TX        | La Porte, TX      | Pensacola, FL    | Salt Lake City, UT | St. Louis, MO      |
| Atlanta, GA       | Cleveland, OH  | Egg Harbor Township, NJ | Indianapolis, IN   | Lexington, KY     | Pittsburgh, PA   | San Antonio, TX    | St. Petersburg, FL |
| Austin, TX        | Columbia, SC   | Fairfax, VA             | Jackson Hole, WY   | Miami, FL         | Portland, OR     | San Jose, CA       | Toledo, OH         |
| Bay St. Louis, MS | Columbus, OH   | Fairview Heights, IL    | Jacksonville, FL   | N. Charleston, SC | Port Orchard, WA | San Rafael, CA     | Virginia Beach, VA |
| Charlotte, NC     | Cypress, TX    | Fort Worth, TX          | Jefferson City, MO | Oklahoma City, OK | Provo, UT        | Springfield, OH    | Wasilla, AK        |
| Chicago, IL       | Dayton, OH     | Greenville, SC          | Kansas City, MO    | Orlando, FL       | Richmond, VA     | St. George, UT     | Calgary, Canada    |

Map data provided for informational and communication purposes only



# Strategic Consulting Services



- Trimble Partner
- Cityworks Platinum Partner
- Esri Gold Partner
- Cityworks Partner 25+ years – 2nd Partner
- 400+ Cityworks Implementations
- 30+ Cityworks PLL Implementations
- 40+ Treatment Plant Implementations
- Trimble e-Builder Silver Partner

The Cityworks–Woolpert business partner relationship spans 25 years, during which time Woolpert has established themselves as our most accomplished business partner. Woolpert’s Cityworks implementation professionals consistently perform at a high level in the implementation and support of our products.

*Mr. Brian L. Haslam  
Founder and former President – Cityworks*



# Strategic Consulting Services



- **Software Implementation**
- Solutions Architecture
- Business Process/Workflow Development
- IAM/ISO 55000 Based Asset Management Consulting
- Integrations Development
- GIS Development and Consulting
- Reporting and Data Analytics Consulting
- Configuration and Upgrade Support

We had momentum from the beginning.  
Woolpert's confidence and visionary aspect of  
what they were trying to do really stood out.

Jerry Philpot  
Manager, IT and Technical Support Systems –  
City of Augusta, Georgia



Digital

# Trimble connects between the digital and physical worlds

Physical

## An Asset Lifecycle Management (ALM) Solution

Software for Enterprise Asset Management (EAM) and Digital Project Delivery (DPD) and



## Common Data Environment

Our platform connects these technologies & workflows together via a Common Data Environment (CDE)

## Stewarding Investments

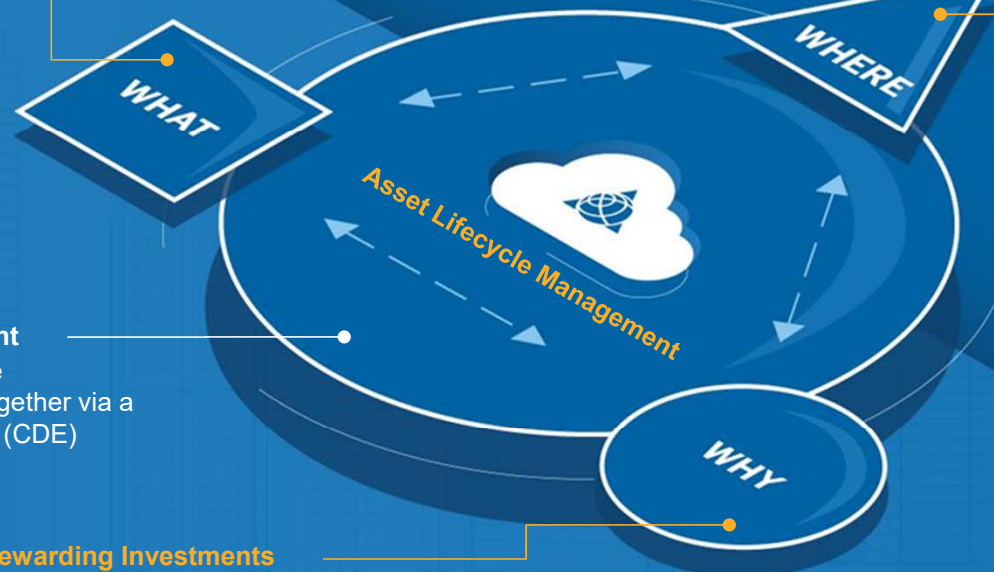
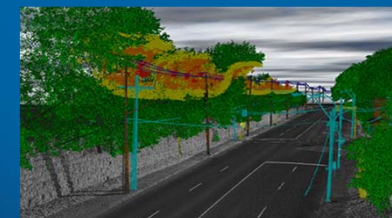
Risk Management, State Investment Program (STIP), Capital Improvement Program (CIP), Operations & Maintenance (O&M), Safety, Sustainability, and Job Creation



## Positioning, Sensing & Control, Field Data

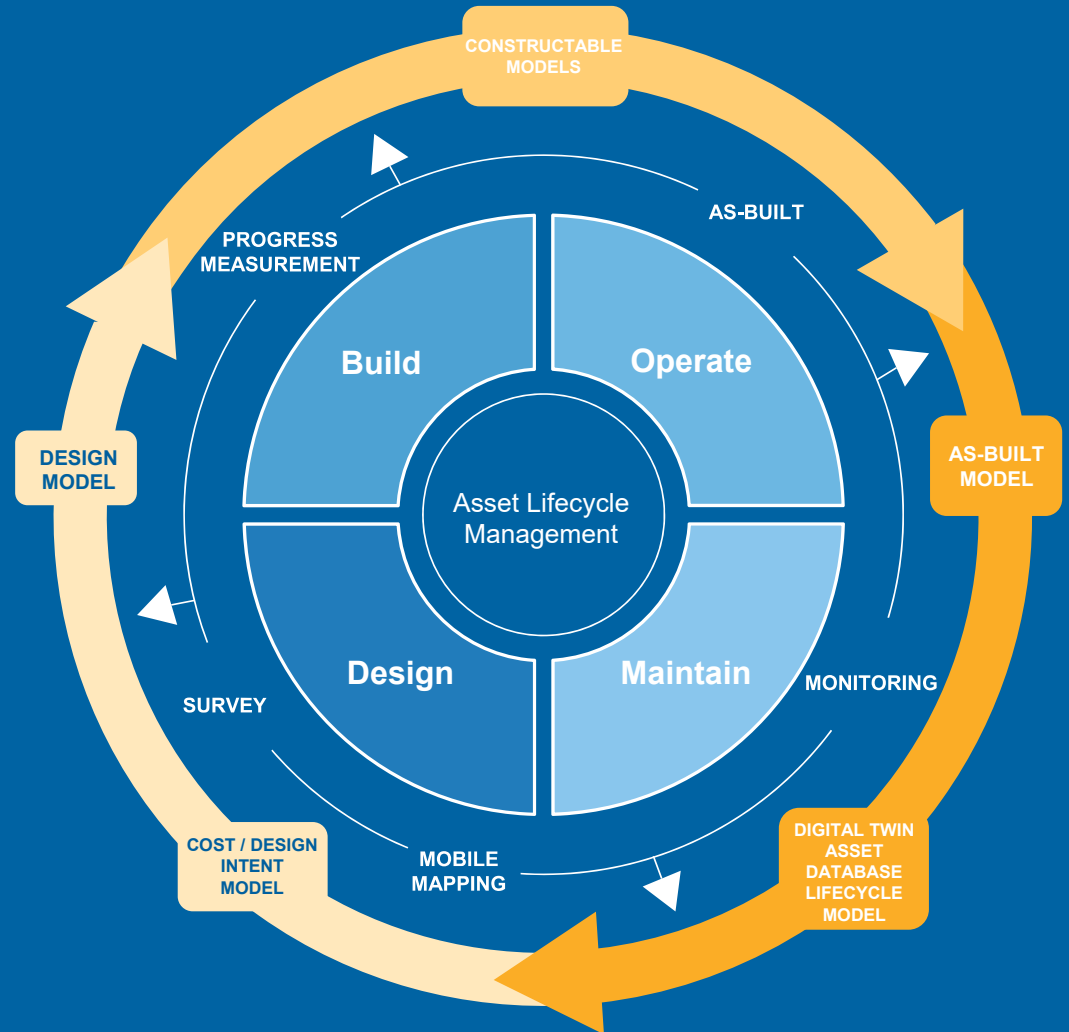


Sensing, inspecting, measuring & dynamically maintaining assets



# Trimble's Asset Platform

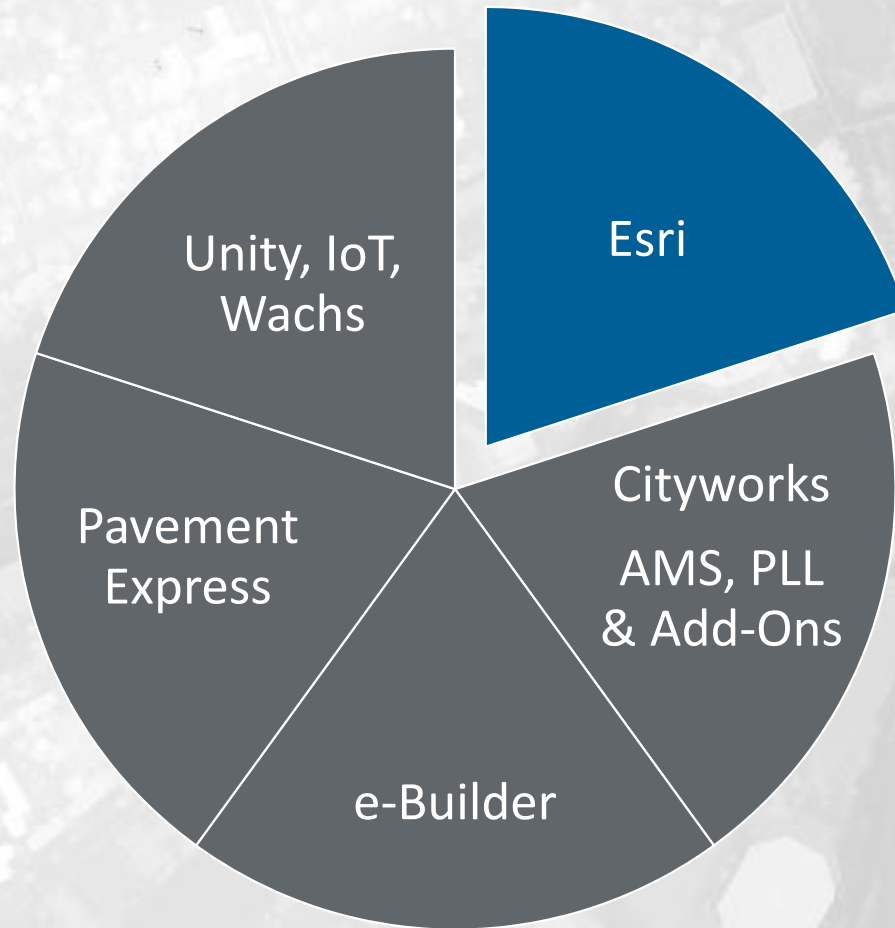
- Connects **systems of record** from design through operations by being **open and interoperable**
- From the start, every asset gets a **digital id**
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- This builds & maintains **digital twin**
- Physical world reality is captured and informs a **common data environment**



LEGEND

- Common Data Environment
- Reality Capture
- Workflows








# CITYWORKS | FIELD MAPS

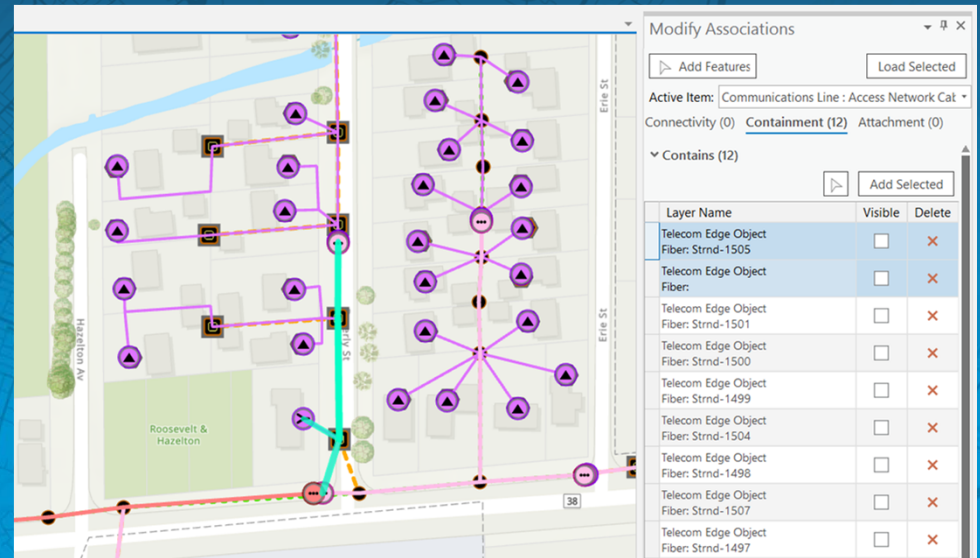
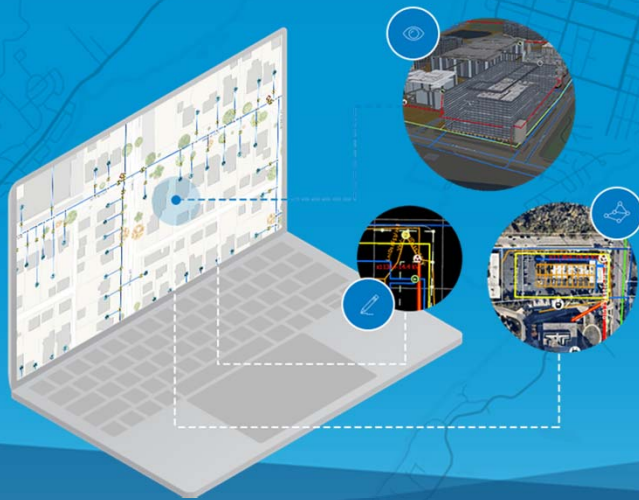


-  Best in breed mapping system
-  World class data collection solution
-  Revolutionary location tracking technology
-  World class tasking and work management
-  State of the art navigation capabilities



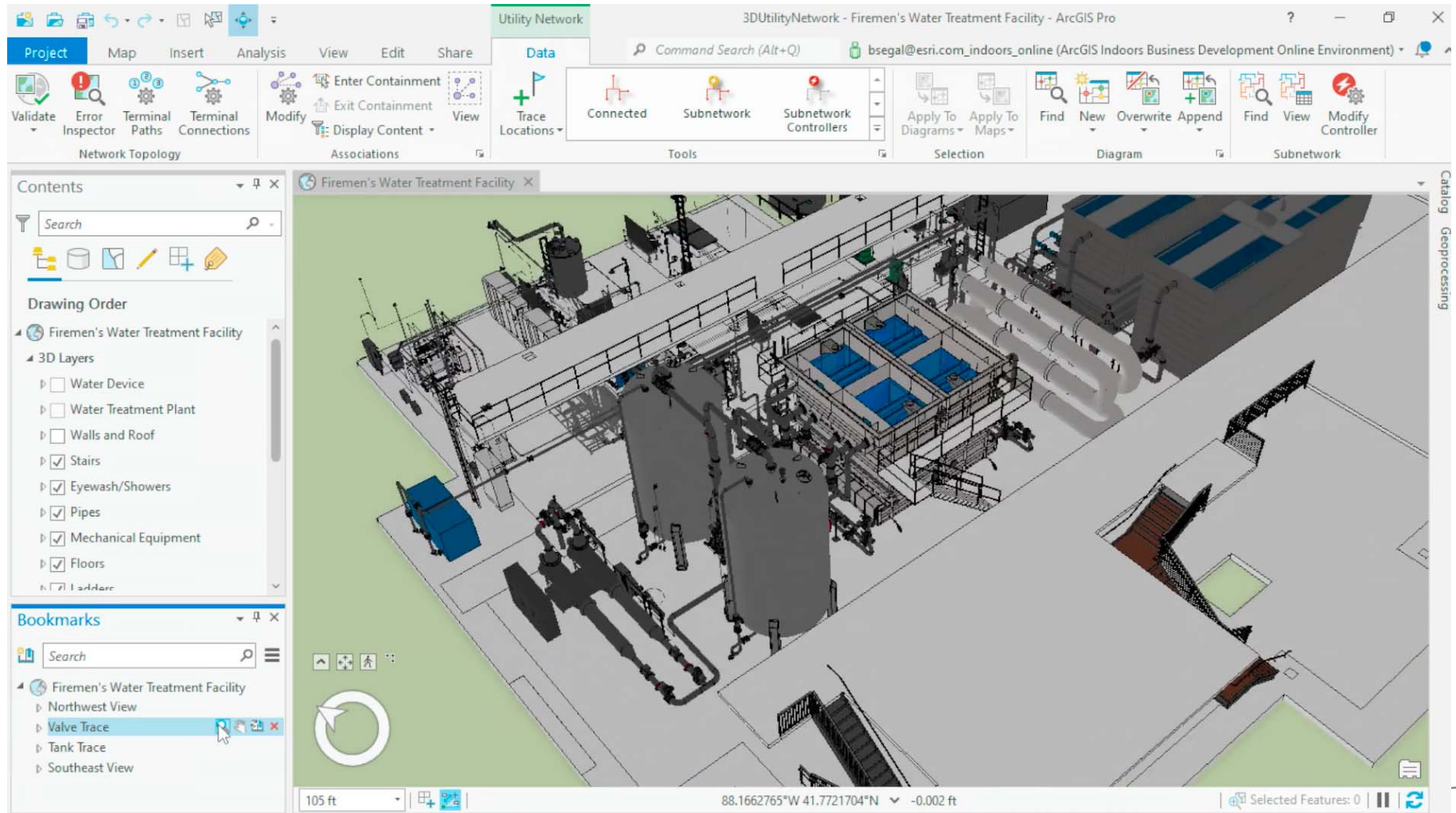
# CITYWORKS | UTILITY NETWORK

- Utility Network Support in Cityworks
  - Enhancements to support querying and asset searches across the UN

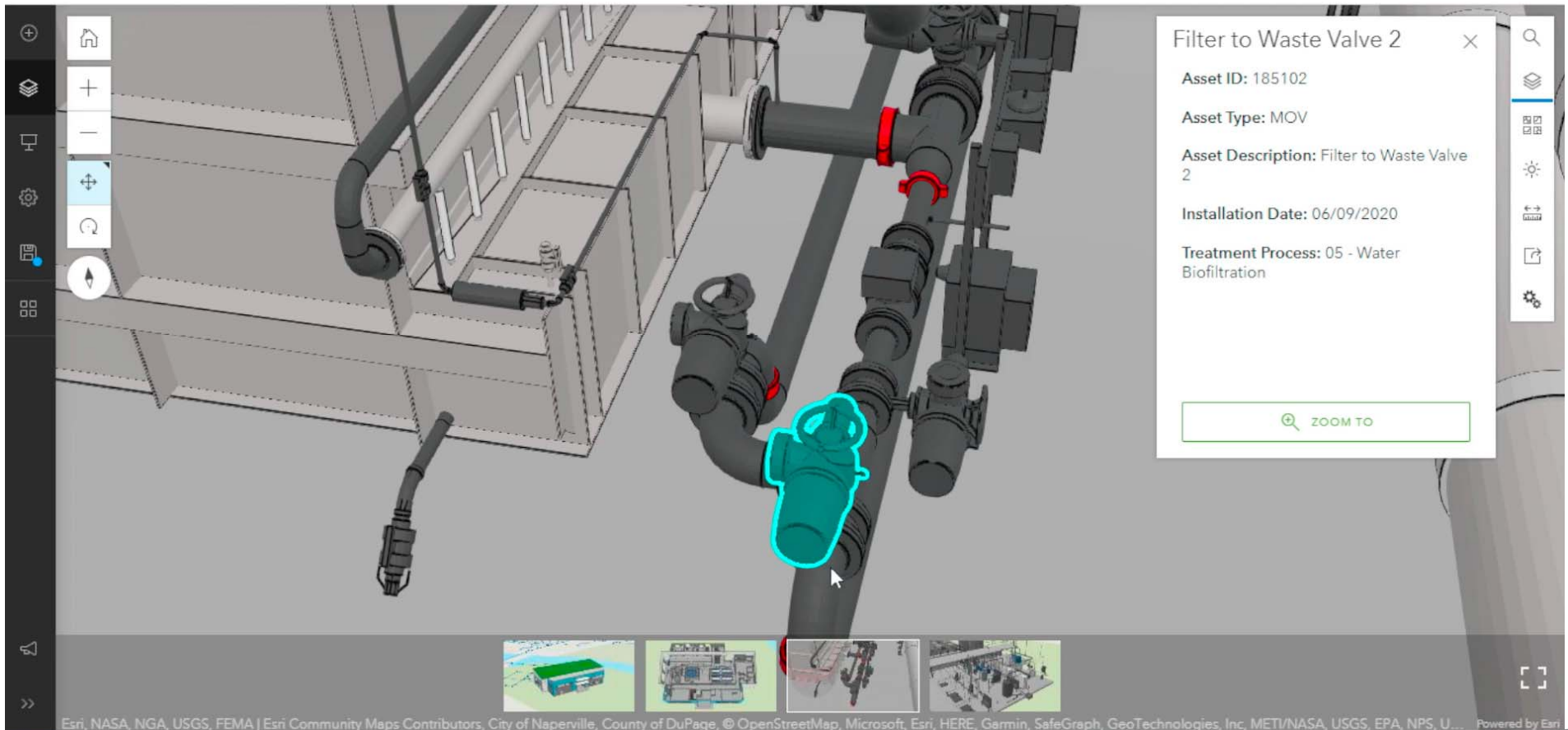


- Cityworks *live* with Utility Network at San Juan Water District
  - Water distribution
  - Water treatment

# 3D Plants



# 3D Plants



The image shows a 3D CAD model of a water treatment facility. A specific valve, labeled 'Filter to Waste Valve 2', is highlighted in cyan. A mouse cursor is positioned over the valve. An information popup window is open, displaying the following details:

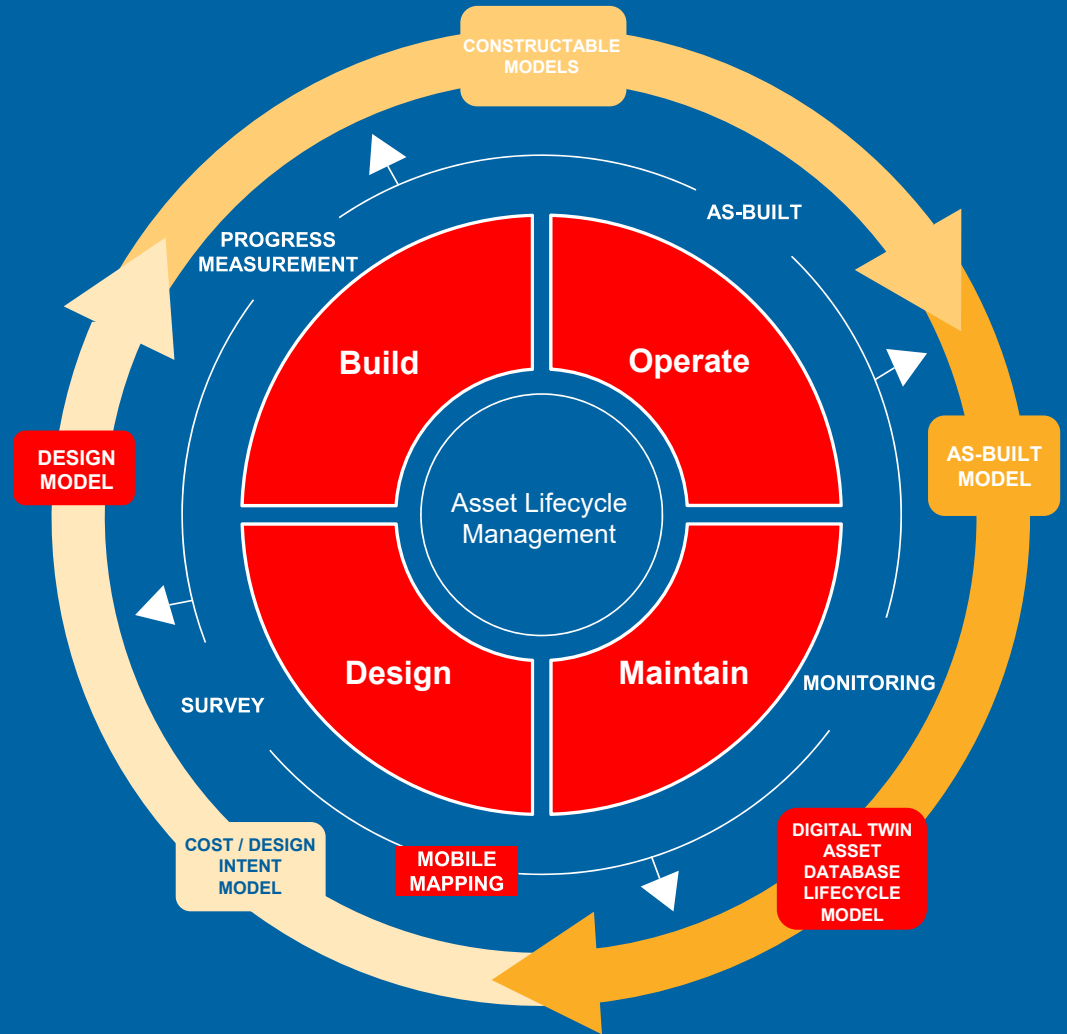
- Asset ID: 185102
- Asset Type: MOV
- Asset Description: Filter to Waste Valve 2
- Installation Date: 06/09/2020
- Treatment Process: 05 - Water Biofiltration

The popup window includes a 'ZOOM TO' button. The interface also features a left sidebar with navigation tools (home, zoom in, zoom out, pan, rotate, compass, layers, and search) and a bottom toolbar with thumbnails of other views and a full-screen button.



# Trimble's Asset Platform

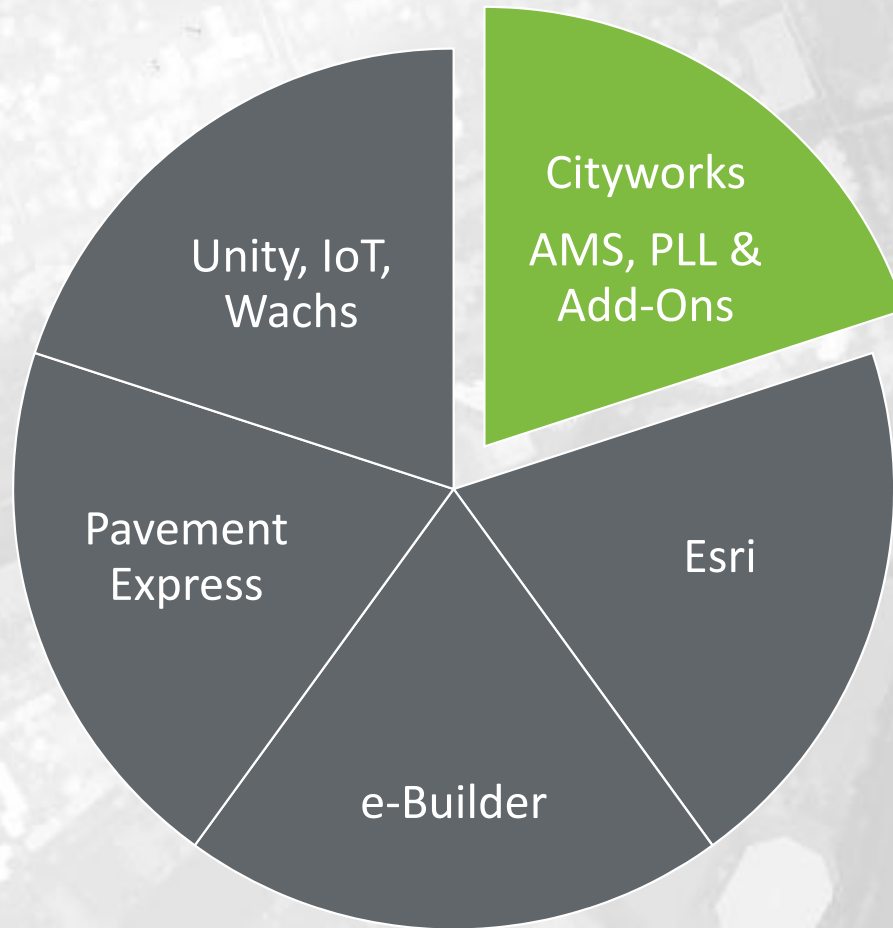
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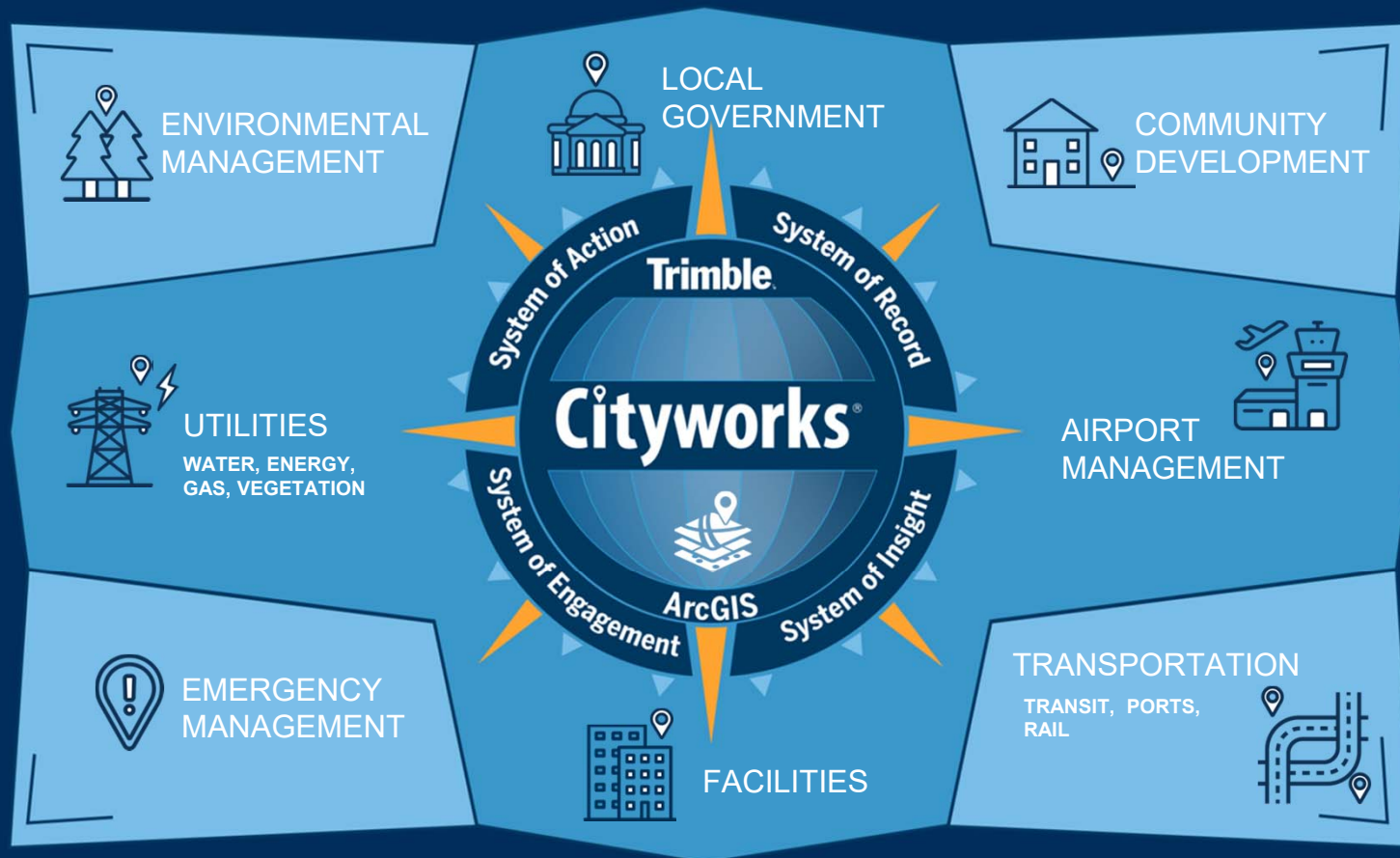
LEGEND

- Common Data Environment
- Reality Capture
- Workflows





**Cityworks platform enables customers to deliver on the promise of creating a smarter and more resilient, sustainable, and safe community.**





**Details**

Number: 136142 | Description: Repair Emergency

Status: 1-Requested | Priority: High

Category: Corrective | Supervisor: (w) Cotter, Mike

Submit To: [Dropdown] | Actual Start: [Calendar]

Actual Finish: [Calendar]

Resolution: [Dropdown]

Related: [Icons with counts]

**Location Info**

**Comments**

Add Comment | Sort

(w) Cotter, Mike

Observations:

Recommendations:

Repairs Made:

(w) Cotter, Mike

From: [Dropdown]

Code: [Dropdown]

Description: [Text Area]

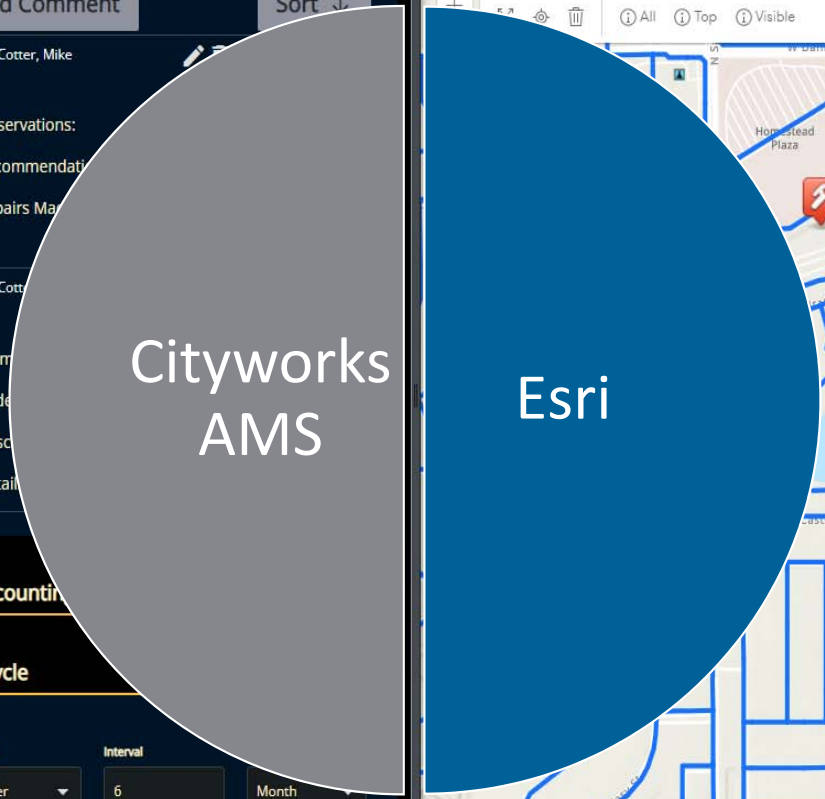
Details: [Text Area]

**Cost Accounting**

**Work Cycle**

Repeat: Never | Interval: 6 | Month

Cycle From: Actual Finish Date | Cycle from Date: [Calendar]



Base Maps | Bookmarks | Create Activity | Editor | Event Layers | Legend | Locate | Measure | Printing

Map interface showing streets, landmarks like Homestead Plaza, and red location markers.

Scale: 0.3 km / 600 ft

Powered by Esri



**Case Details**

Case Number: RBP23-005  
 Case Type: Residential - Maritime Demc

Assigned To: (pl) Inspector, Bob  
 Project Name: [Empty]

Date Initiated: Apr 12, 2023  
 Status: IN\_REVIEW

Related: [0] + [0] [0] [0] [0]

Attachments (0)

x,y,z

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**Map Layers**

There are no map layers

Update Map Layers

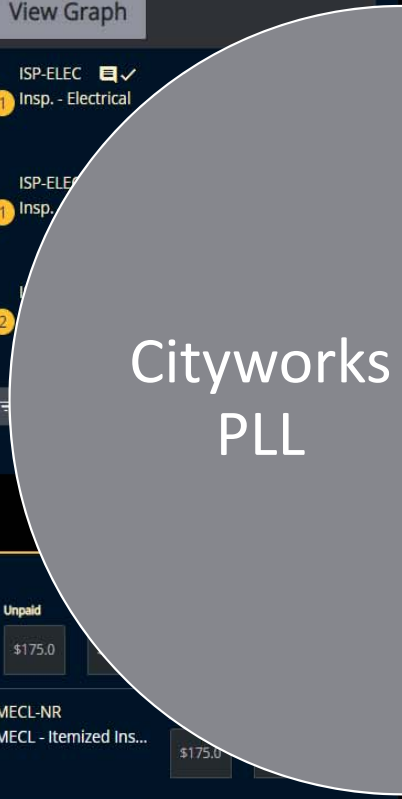
**Workflow**

View Graph

- 1 ISP-ELEC Insp. - Electrical
- 1 ISP-ELEC Insp.
- 2 [Empty]

**Fees**

Unpaid	\$175.0
MECL-NR	
MECL - Itemized Ins...	\$175.0



Base Maps | Bookmarks | Create Activity | Editor | Event Layers | Legend | Locate | Measure | Printing

Map navigation and tool icons

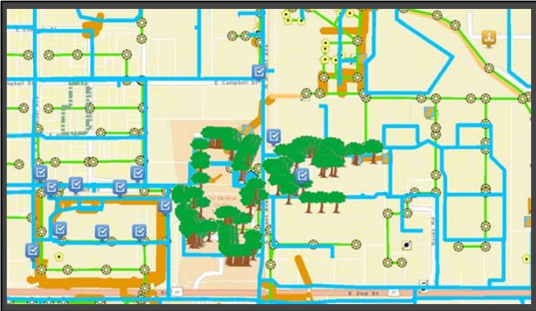
Map view showing streets and a blue semi-circle graphic with the text 'Esri' inside.

City of Oklahoma City, Esri, HERE, Garmin, INCREMENT P, NGA, USGS | Azteca Systems, LLC - Cityworks® 2009 - 2023

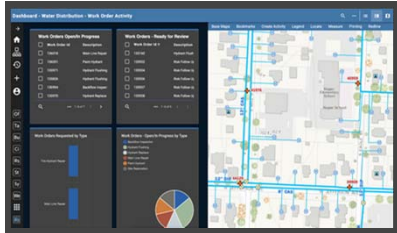
Powered by Esri



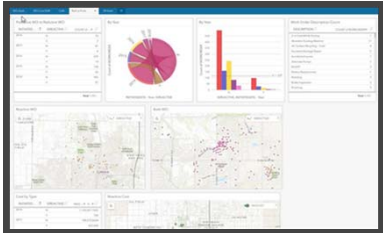
# Cityworks + ArcGIS: The Web-GIS Platform with Endless Possibilities



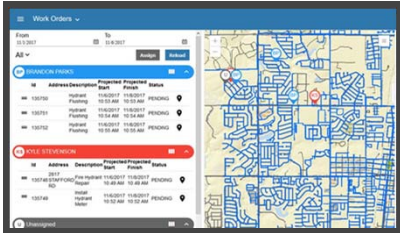
Cityworks AMS



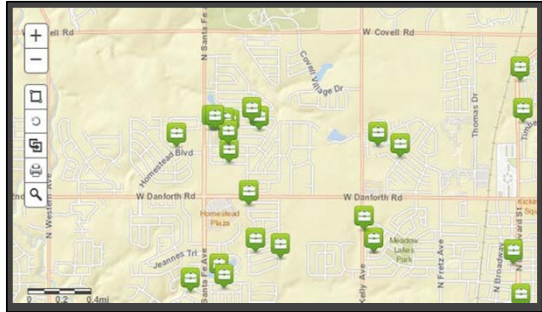
Respond



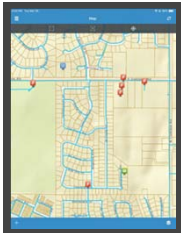
Analytics



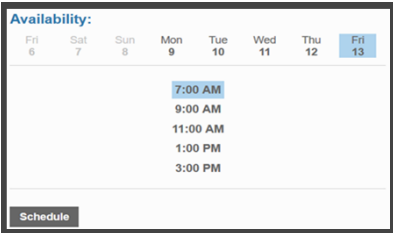
Workload



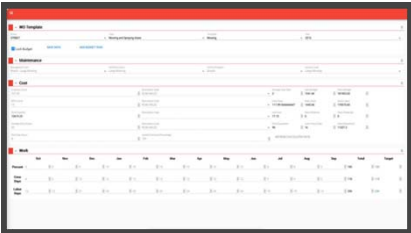
Cityworks PLL



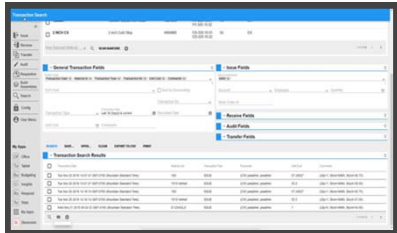
Mobile Native App



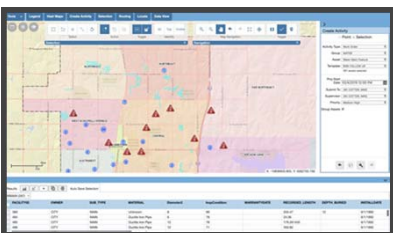
Public Access (PLL)



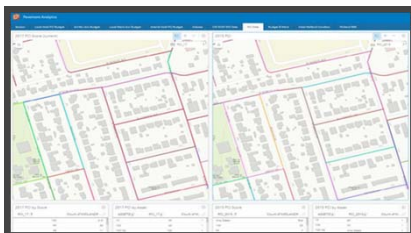
Performance Budgeting



Storeroom



Operational Insights



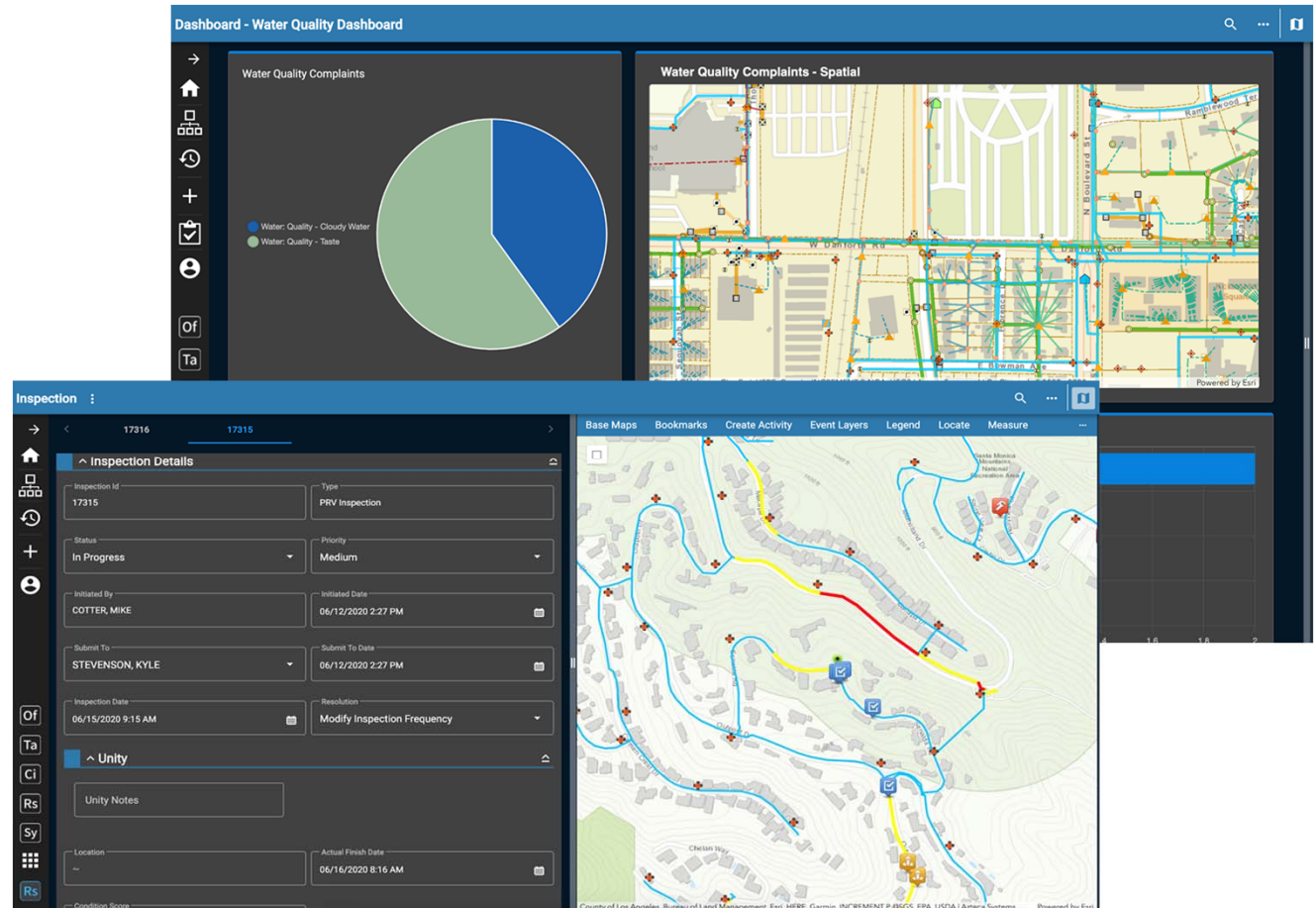
Pavement Management

# Asset Inspections

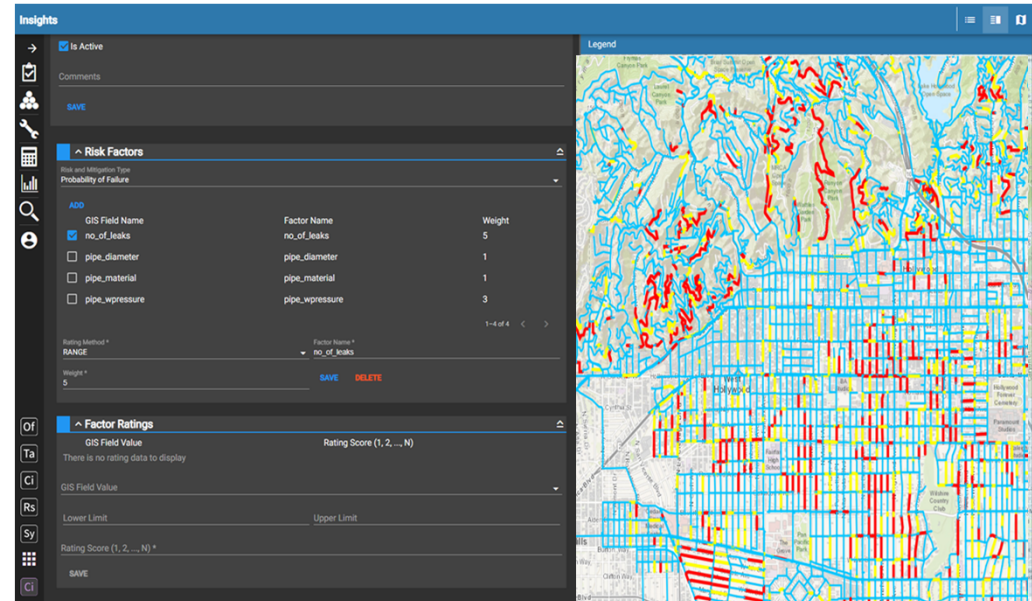
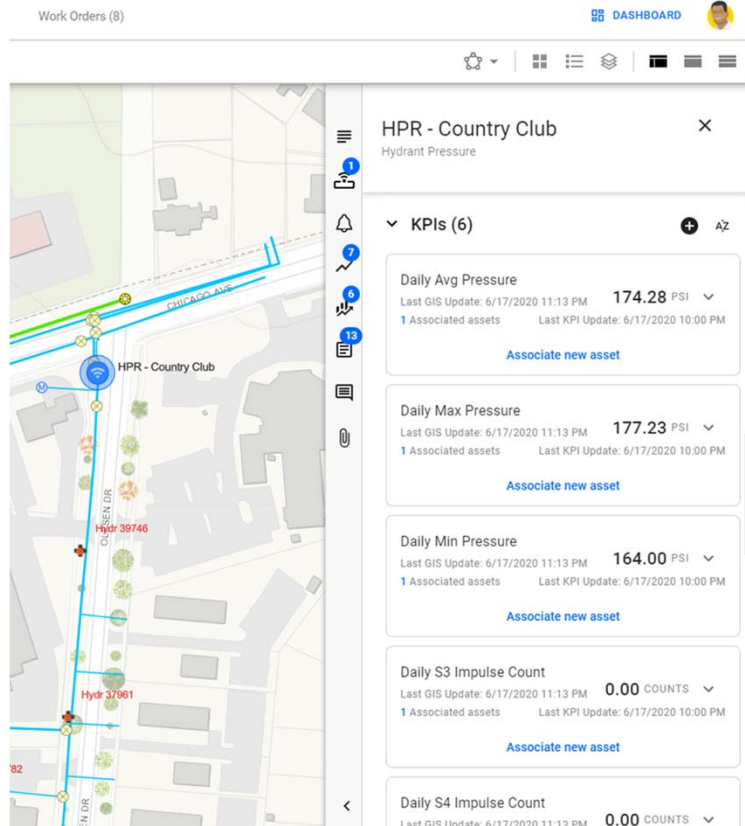
## Cityworks Respond

provides tools to manage customer inquiries, work orders and inspections with a dynamic map providing context of infrastructure and related activities.

This enables detailed tracking of applied resources (equipment, labor and material), project association, attachments and condition assessment.



# Risk Strategy



**Cityworks Operational Insights** provides built-in analytics and tools to calculate probability of failure, consequence of failure, and business risk exposure.

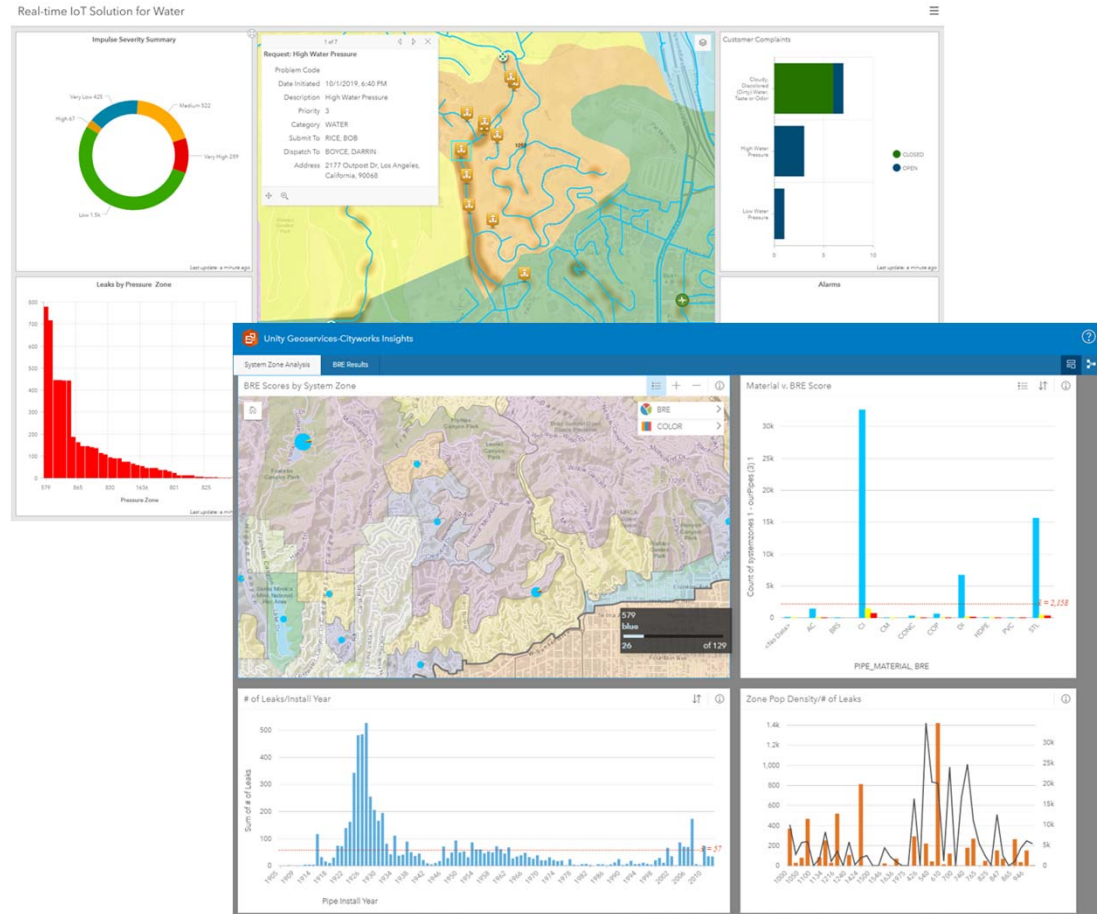
Factors such as asset age, material, historic inspection and repair activities, and key performance indicators (KPIs) captured via the Telog sensors and stored in the GIS can prioritize asset repair activities, perform more expansive monitoring, and enrich analysis with asset replacement cost data to support capital improvement planning.

# Analytics

## Operations Dashboard for ArcGIS

enables a dynamic and real-time view of data from all three platforms - Unity, Cityworks and Esri. This gives users immediate insight to key metrics.

**ArcGIS Insights** delivers spatial analytics and visualization of historic trends. Users can filter between data from Unity, Cityworks or Esri to identify root causes and the association between variables such as pipe age, material, risk prioritization and historic leak concentrations.



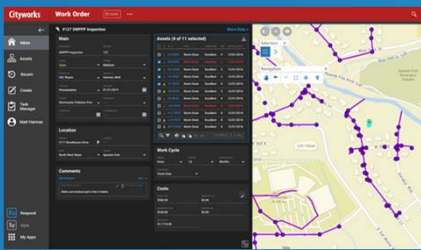
# Open Platform APIs Webhooks



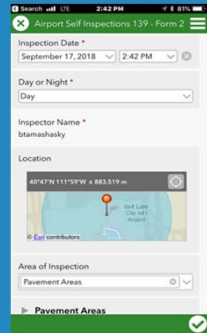
*Using location to integrate everything*

Take your Esri investment to the next level with the Trimble O&PS suite of products

Cityworks®



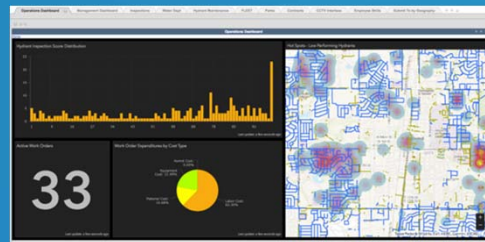
Cityworks Respond with ArcGIS API for JavaScript 4.x



Cityworks with ArcGIS Survey123



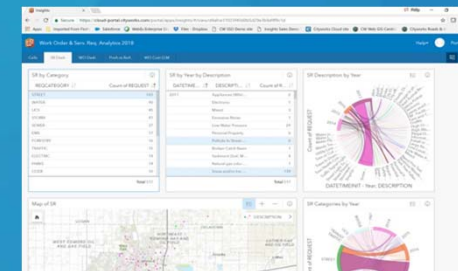
Cityworks with ArcGIS Hub



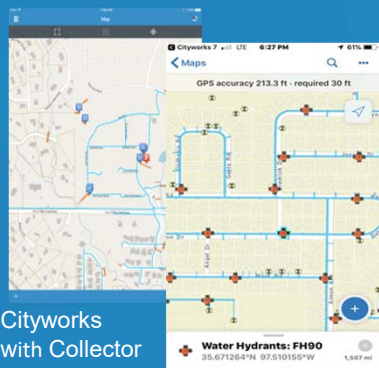
Cityworks with ArcGIS Dashboards



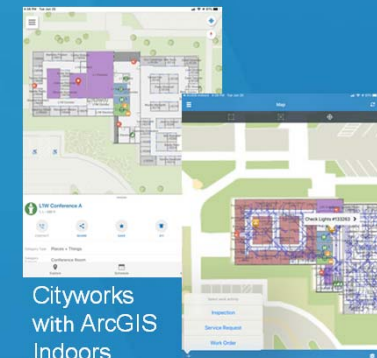
Cityworks with Citizen Problem Reporter



Cityworks Analytics with ArcGIS Insights



Cityworks with Collector and Field Maps

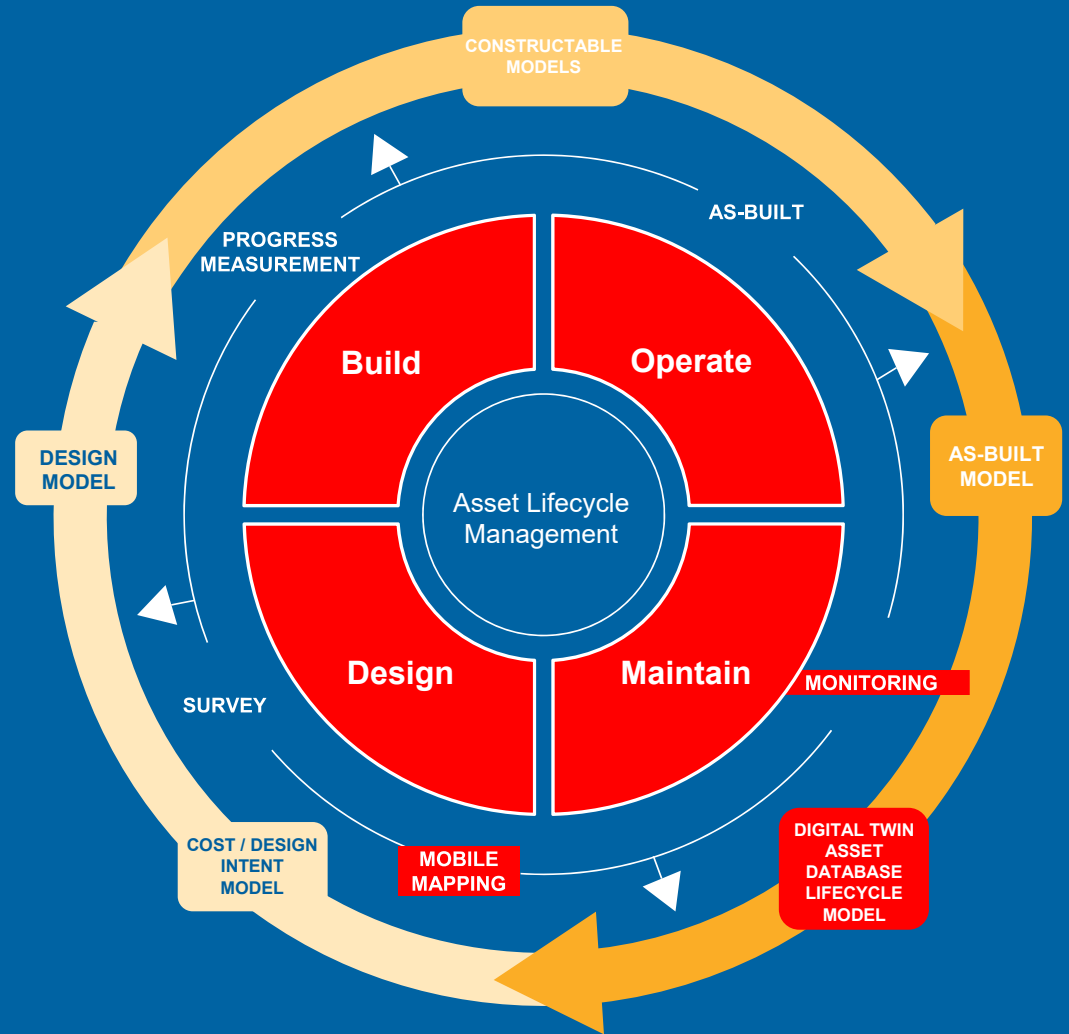


Cityworks with ArcGIS Indoors



# Trimble's Asset Platform

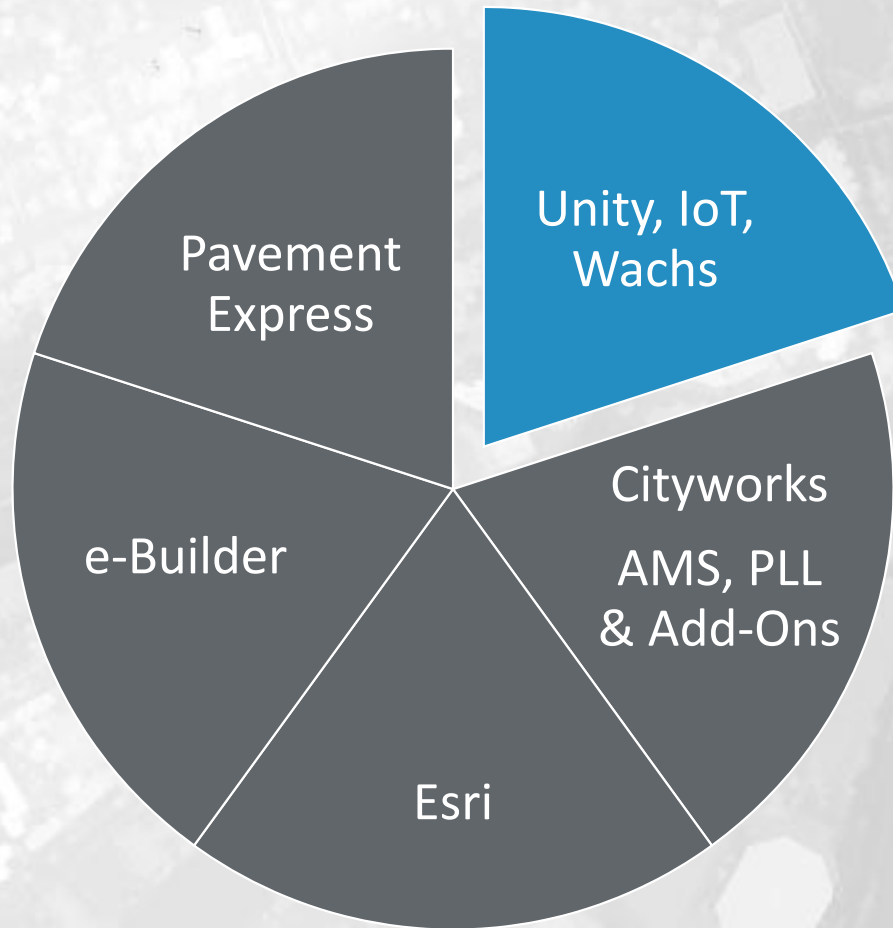
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LEGEND

- Common Data Environment
- Reality Capture
- Workflows





# Industry Challenges the Trimble Solution Solves

- Aging water infrastructure is a global challenge.
- Many utilities don't have visibility into asset performance.
- Utilities don't have access to real time performance data to identify root cause of problems causing chronic repairs, or to identify future infrastructure damage and service disruptions.
- There isn't access to the tools to help them identify high risk assets for prioritizing asset repairs and capital planning projects.
- Utilities follow reactive asset management practices, perform reactive repairs causing higher repair costs, disruption of service and poor customer service.
- Utilities that have some asset performance monitoring tools, are using them siloed from GIS and EAM, and not realizing the full value of the tools or a fully integrated solution.



# The System of Action

## Real-time IoT and Intelligent Asset Management Platform



### Trimble Telog Remote Monitoring

A Broad Range of Rugged, Battery Powered, Wireless Recorders and Sensors

IoT Performance Data



### Trimble Unity RM

Real-time Asset Performance and Alarming. IoT KPIs for Insights and Analysis

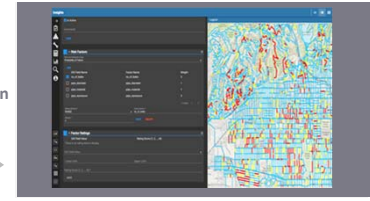
Inspections Work Orders KPIs



### Cityworks<sup>®</sup> AMS

Asset Management and Event Response

Asset Condition Performance KPIs



### Cityworks<sup>®</sup> Operational Insights

Risk Strategy and Repair Prioritization

Integrated view of asset data from GIS, real-time asset performance from IoT sensors, and condition and work activities.



### esri Insights and Analytics

Location-aware Data Visualizations and Analytics

Make informed decisions, prioritize maintenance and capital improvement projects, and streamline event response.

# Telog: Proven IoT Solution



- **Applications across the cycle**
  - NRW, Pressure Mgt, Water Quality
  - Sewer Overflows, Level, Liftstations
- **Full situational awareness**
  - Accurate, timely, reliable data
  - Near real time alarms for anomalies
- **Easy & cost effective to install**
  - Rugged wireless, battery operated devices
- **Low cost of ownership**
  - Up to 5 years battery life



NW04: WASTEWATER FLOW REPORT



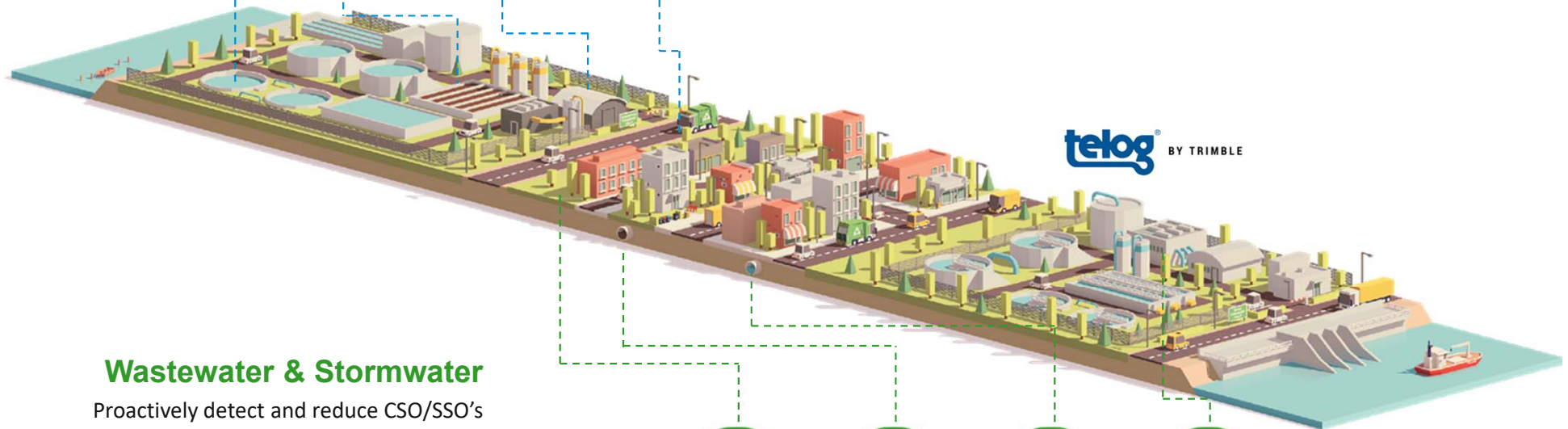
# IoT and Remote Monitoring... Across the Water Cycle



Flow      Pressure & Impulse Detection      Pressure      Level

## Water Supply & Distribution

Proactively monitor water level, flow, leaks, non-revenue water (NRW), pressure and pressure impulse events.



## Wastewater & Stormwater

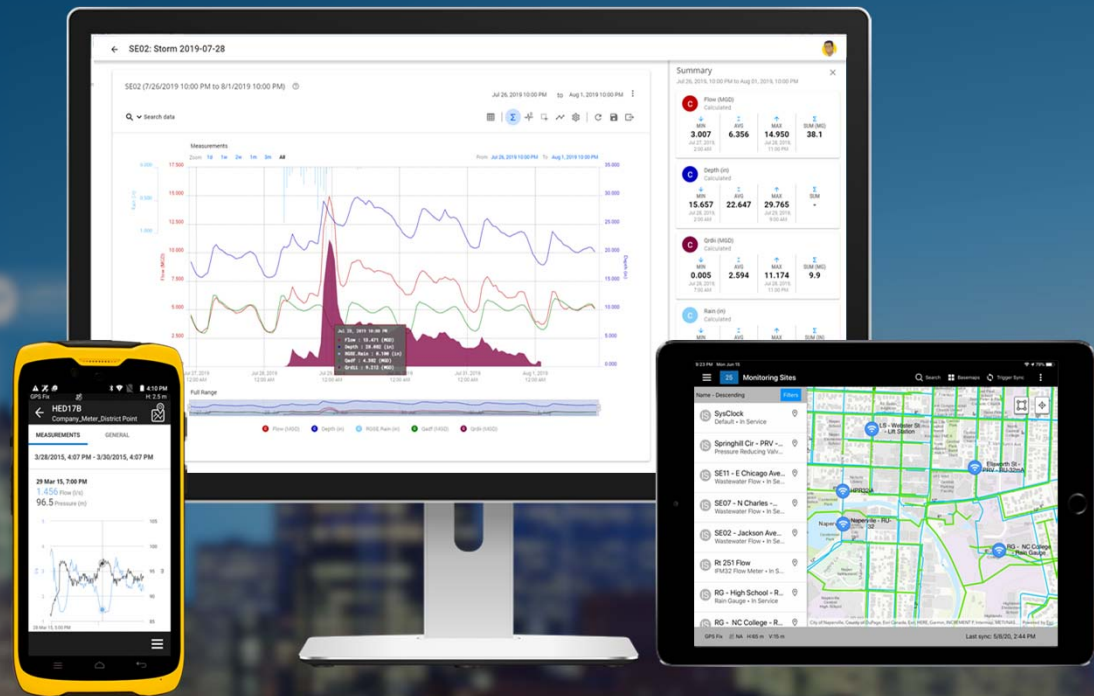
Proactively detect and reduce CSO/SSO's and monitor wastewater and stormwater flows, levels, rainfall and lift stations.



Rainfall      Open-channel Flow      Sewer Overflow      Lift Station

# Trimble Unity™ Remote Monitoring Real-time Asset Performance and Alarming

- GIS Centric
- Cloud and Mobile Software
- Integrates with Telog IoT Products
- Offers Real-time Situational Awareness
- Proactive Event Response
- Regulatory Compliance



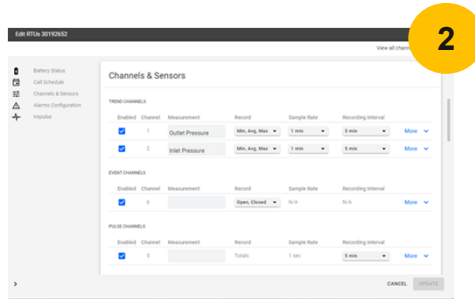
Trimble Unity



# Simple Steps to Gain Asset Performance Visibility



Install and Configure Telog RTUs and Sensors

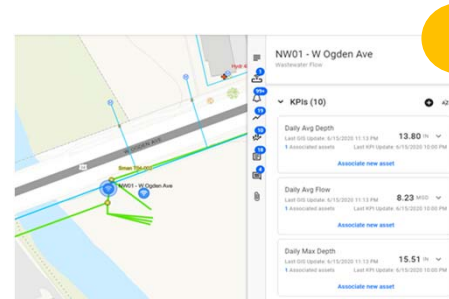


Alarm Activation History on June 10, 2020

All Site group Status: In Service All Site type SAVED FILTERS: SITES IN SERVICE

Alarm Type	Site Name	Measurement Name	Alarm Activation
10 Alarm	HPR - Bower School	Pressure	June 10, 2020 3:08 PM
10 Alarm	Well Level	Level	June 10, 2020 7:16 AM
10 Alarm	Well Level	Level	June 10, 2020 7:16 AM
Alert Alarm	NW01 - W Ogden Ave	Low Level	June 10, 2020 2:50 AM
10 Alarm	MS55 - McCoy Dr	Flow	June 10, 2020 12:15 AM

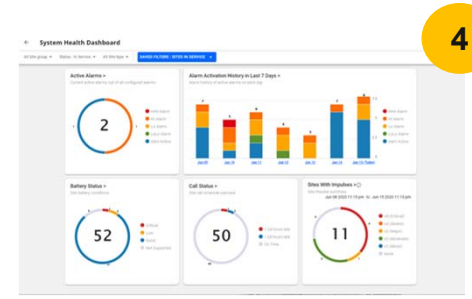
Set up Alarms and Events Triggers



Asset Daily Flow (Features: 21, Selected: 0)

KPI_Dimension	KPI_ID	KPI_Value	Reported/Alerted/Permissions
5/10/2020, 10:00 AM	NW01 - W Ogden Ave	7.84	(0) Show
5/10/2020, 10:00 PM	NW01 - W Ogden Ave	4.02	(0) Show
6/10/2020, 10:00 AM	NW01 - W Ogden Ave	8.26	(0) Show
6/10/2020, 10:00 PM	NW01 - W Ogden Ave	4.39	(0) Show
6/10/2020, 10:00 AM	NW01 - W Ogden Ave	8.26	(0) Show

Set up KPIs and GIS Updates



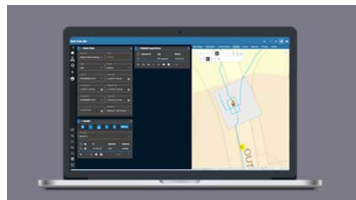
Analyze and Report on Asset Performance





# Trimble Unity Mobile for Cityworks – Valve Exercising

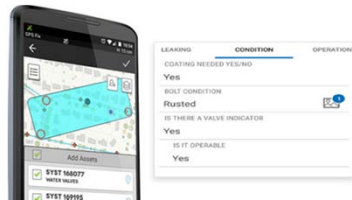
Offering premium mobile capabilities to streamline water field operations, data collection, and analytics.



## Cityworks® AMS

Asset Management and Activity Planning

Inspections



## Trimble Unity Mobile

Field Execution & Data Collection

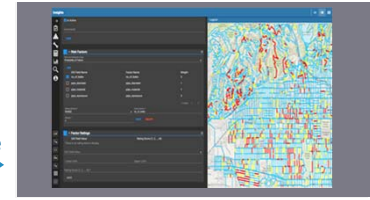
Field Results & Ad-Hoc Inspections



## Cityworks® AMS

Asset Management and Activity Follow-Up

Asset Condition Performance



## Cityworks® Operational Insights

Risk Strategy and Repair Prioritization



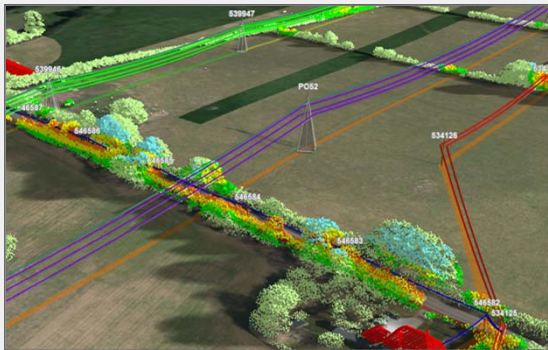
## esri Insights and Analytics

Location-aware Data Visualizations and Analytics

Integrated view of asset data from GIS, condition and work activities.

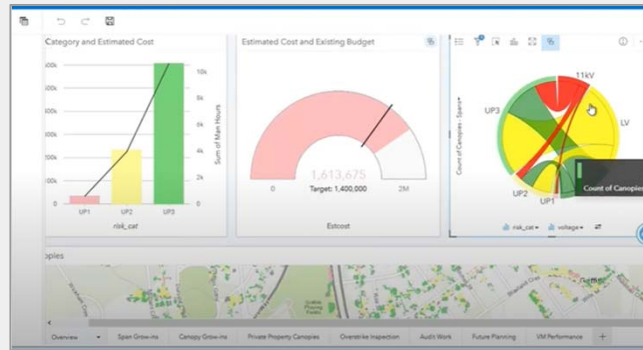
Make informed decisions, prioritize maintenance and capital improvement projects, and streamline event response.

# Trimble Vegetation Manager



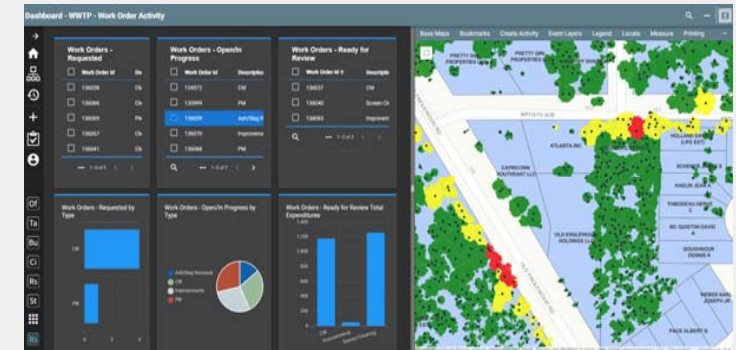
## LiDAR Analyzer

Integrate LiDAR, 3D line models & GIS data for a highly accurate vegetation hazard inventory.



## Program Optimizer

Visualise network & vegetation information to design optimized work programs - **targeting costs, risks or both.**



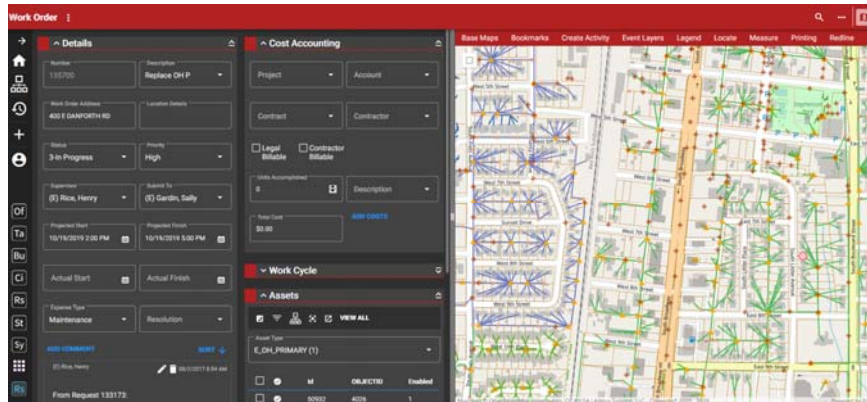
## Operational Manager

Execute projects for staff & contractors in office and field - **get visibility and drive performance.**

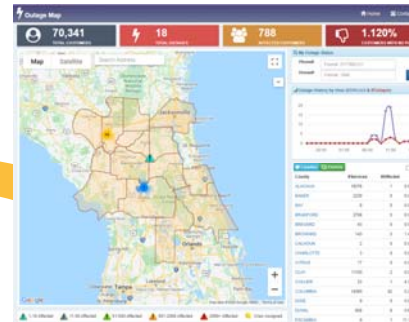
# Cityworks for Utilities

## Extending into Electric and Gas Utilities

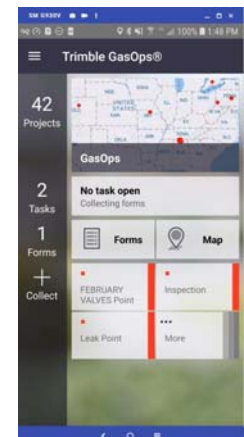
Cityworks Respond



Outage Map (Trimble)



GasOps (Trimble)



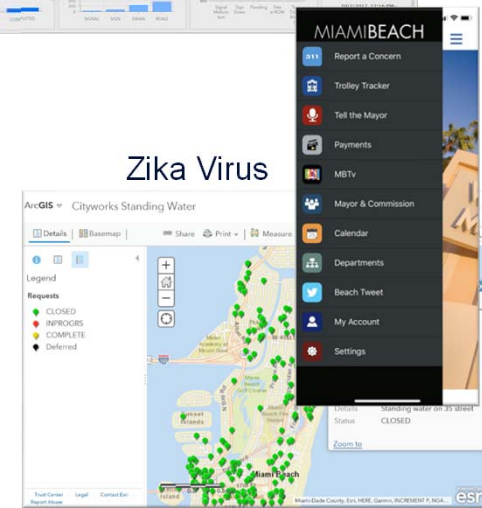
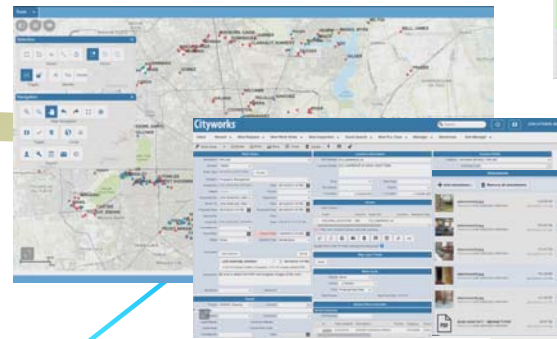
SiteVision (Trimble)



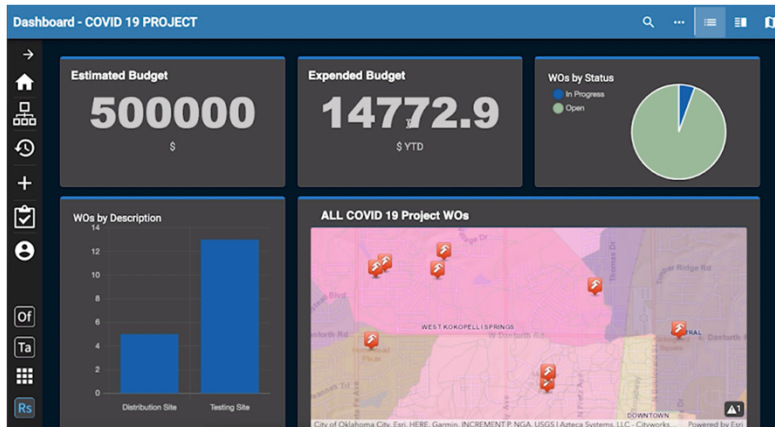
# Cityworks for Emergency Management

## Extending into Disaster Recovery and Relief

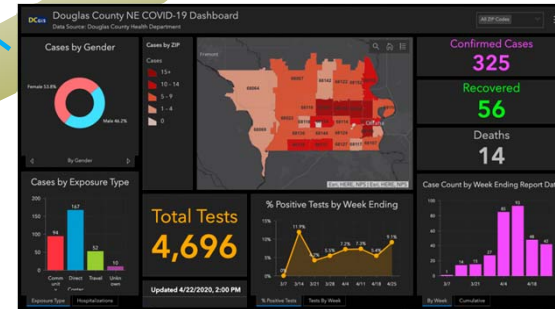
FEMA Blue Roof and Hurricane cleanup



Cityworks Respond

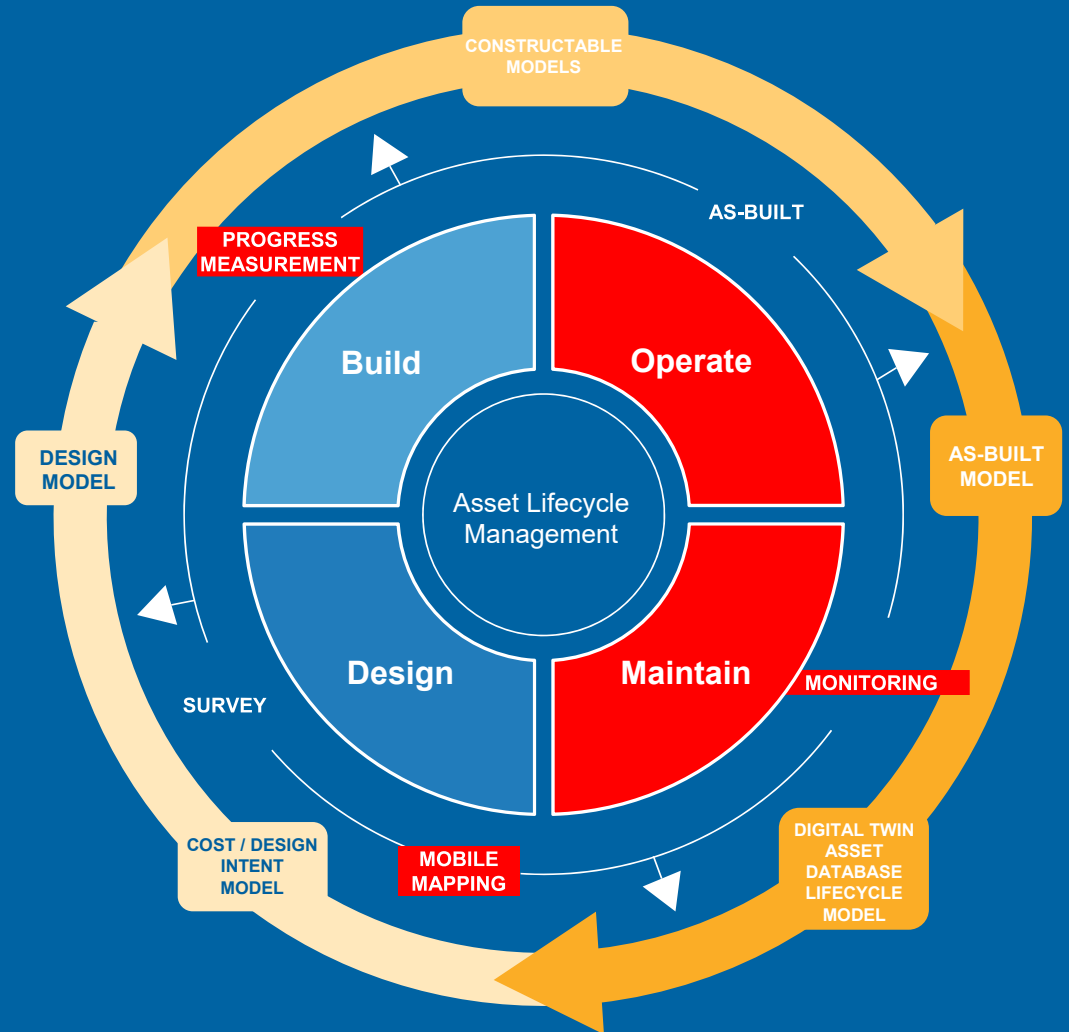


Covid-19



# Trimble's Asset Platform

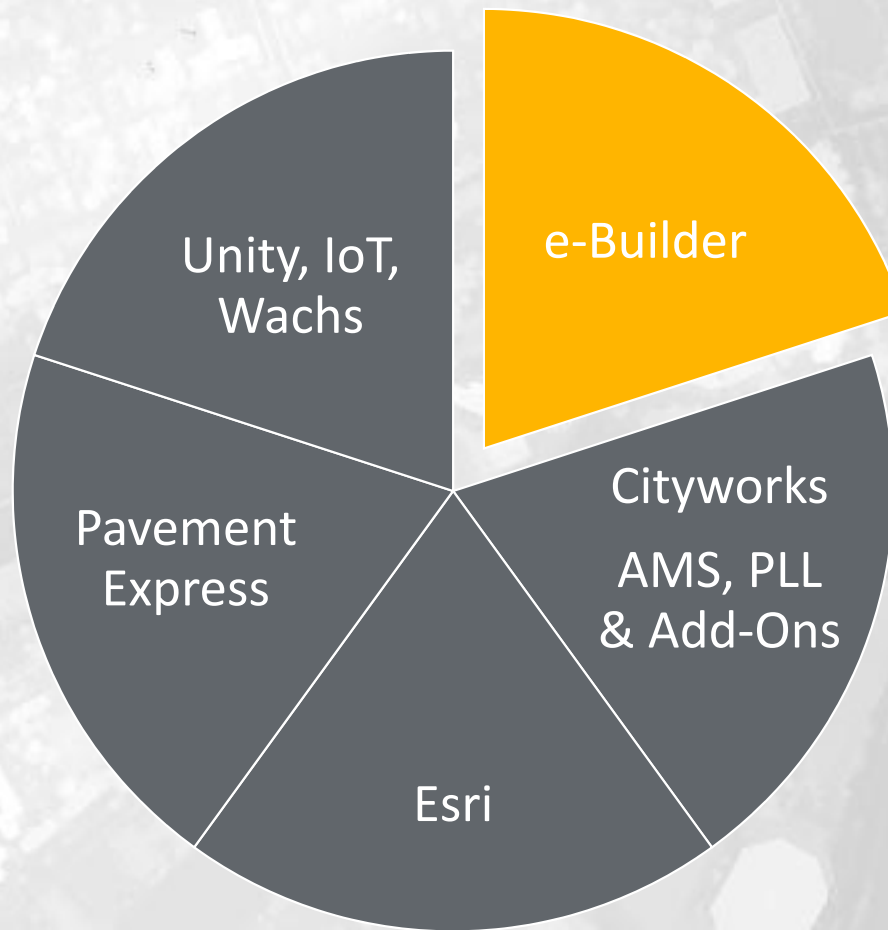
- Connects **systems of record** from design through operations by being **open and interoperable**
- From the start, every asset gets a **digital id**
- **Digital delivery** process is used throughout each phase
- This builds & maintains **digital twin**
- Physical world reality is captured and informs a **common data environment**



LEGEND

- Common Data Environment
- Reality Capture
- Workflows






My Home Dashboard **Projects** Forms Processes Documents Calendar Contacts Cost Schedule Reports ...

Project Details For **Brent's First Project** Hidden Projects

Export Address Book Printable Participants Directory Edit Cancel

Project Name	Brent's First Project
e-Builder Project Administrator	BWeBAdmin , Test
Project Status	Active
(view map) Address	City Hall Waxahachie, TX 75167
Country	US
Start Date	09
Target Date	11



Recent Pages...

**Project Menu**

- Details
- Forms
- Issues
- Processes
- Documents
- Schedule
- Cost


e-Builder. jen.kouns@woolpert.com

My Home Dashboard **Projects** Planning Forms Processes Documents Calendar Contacts Bidding Cost Schedule Reports ...

Project Details For **Asphalt Crack Seal** Hidden Projects

Export Address Book Printable Participants Directory Edit Cancel

Project Name	Asphalt Crack Seal
e-Builder Project Administrator	Hewlett , Natasha
Project Status	Active
(view map) Address	Phoenix, AZ 85016
Country	USA
Start Date	12.01.2022
Target Date	12.15.2023
Description	
Project Webcam	
Last Modified By	Eng, Edward
Date Last Modified	10.10.2022



Recent Pages...

**Project Menu**

- Details
- Apply Templates
- Project Participants
- Manage Form Types
- Manage Permissions
- Permissions By User
- Process Notification
- Settings
- Sent Items
- Project Level
- Options
- Planning

# e-Builder



### Project Menu

- > Details
- > Forms
- > Issues
- > Processes
- > Documents
- > Schedule
- > Cost

### Cost Summary

Cost Summary For **Brent's First Project**

Cost Summary | Items Pending Approval | Unfinished Drafts | Data Entry

Financial Summary Layout: **Brent's Actual Columns** Group By: **Line Item** \* - Click on the amount to see more details

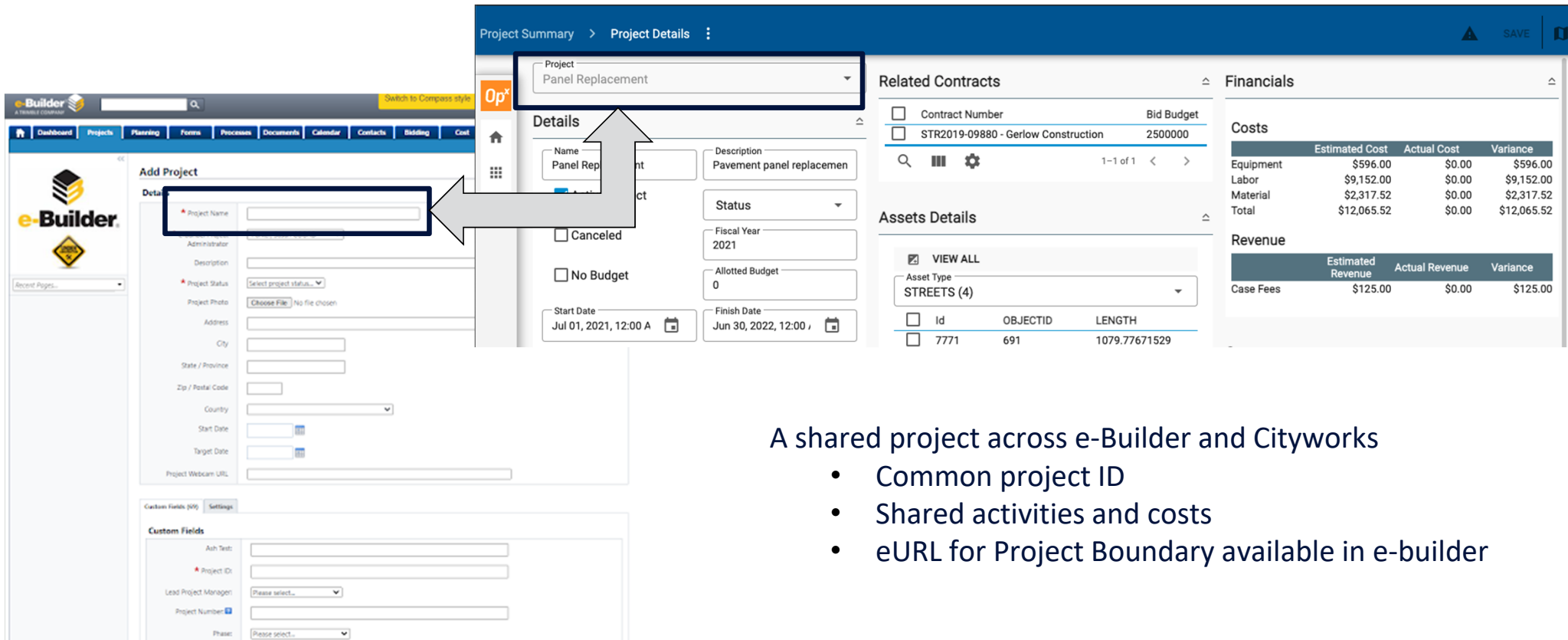
Line Item	Description	A Actuals Received *	B Actuals Approved *	C Actuals Paid *	D Current Over/(Under)	E Projected Over/(Under)	F Forecasted Over/(Under) *
01-110	Pre-Planning	0.00	0.00	0.00	(125,000.00)	(125,000.00)	(75,000.00)
01-120	Planning	0.00	0.00	0.00	(157,000.00)	(142,000.00)	0.00
01-130	Improvements	0.00	0.00	0.00	(135,000.00)	(135,000.00)	0.00
02-200	Design	0.00	0.00	0.00	(205,000.00)	(205,000.00)	0.00
<b>Totals</b>		<b>199,460.00</b>	<b>199,460.00</b>	<b>149,460.00</b>	<b>(2,567,850.00)</b>	<b>(2,552,850.00)</b>	<b>5,000.00</b>

Commitments Invoices Layout Group By: **Category** \* - Click on the amount to see more details

	A Current Budget *	B Current Commitments *	C Actuals Approved *
	3,500.00	0.00	0.00
10.10100	0.00	0.00	0.00
10.10200	2,000.00	0.00	0.00
10.10300	0.00	0.00	0.00
10.10400	0.00	0.00	0.00
10.10500	1,500.00	0.00	0.00
<b>20</b>	<b>2,000.00</b>	<b>0.00</b>	<b>0.00</b>
20.20100	0.00	0.00	0.00
20.20200	0.00	0.00	0.00
20.20300	0.00	0.00	0.00
20.20400	2,000.00	0.00	0.00
20.20500	0.00	0.00	0.00
20.20600	0.00	0.00	0.00
20.20700	0.00	0.00	0.00
<b>30</b>	<b>25,000.00</b>	<b>23,150.00</b>	<b>0.00</b>
30.30100	0.00	0.00	0.00
<b>Totals</b>	<b>268,500.00</b>	<b>23,150.00</b>	<b>0.00</b>



# e-Builder + Cityworks



The screenshot displays the 'Project Details' view in Cityworks, which is linked to the 'Add Project' form in e-Builder. A 'Project Name' field in e-Builder is highlighted with a blue box, and a grey arrow points from it to the 'Project Name' field in Cityworks, which is also highlighted with a blue box. The Cityworks interface shows a project named 'Panel Replacement' with a description of 'Pavement panel replacemen'. Other fields include 'Status', 'Fiscal Year 2021', 'Allotted Budget 0', 'Start Date Jul 01, 2021, 12:00 A', and 'Finish Date Jun 30, 2022, 12:00'. The 'Related Contracts' section lists 'STR2019-09880 - Gerlow Construction' with a 'Bid Budget' of '2500000'. The 'Assets Details' section shows 'VIEW ALL' for 'STREETS (4)' with a table of assets:

Id	OBJECTID	LENGTH
7771	691	1079.77671529

The 'Financials' section includes 'Costs' and 'Revenue' tables:

	Estimated Cost	Actual Cost	Variance
Equipment	\$596.00	\$0.00	\$596.00
Labor	\$9,152.00	\$0.00	\$9,152.00
Material	\$2,317.52	\$0.00	\$2,317.52
Total	\$12,065.52	\$0.00	\$12,065.52

	Estimated Revenue	Actual Revenue	Variance
Case Fees	\$125.00	\$0.00	\$125.00

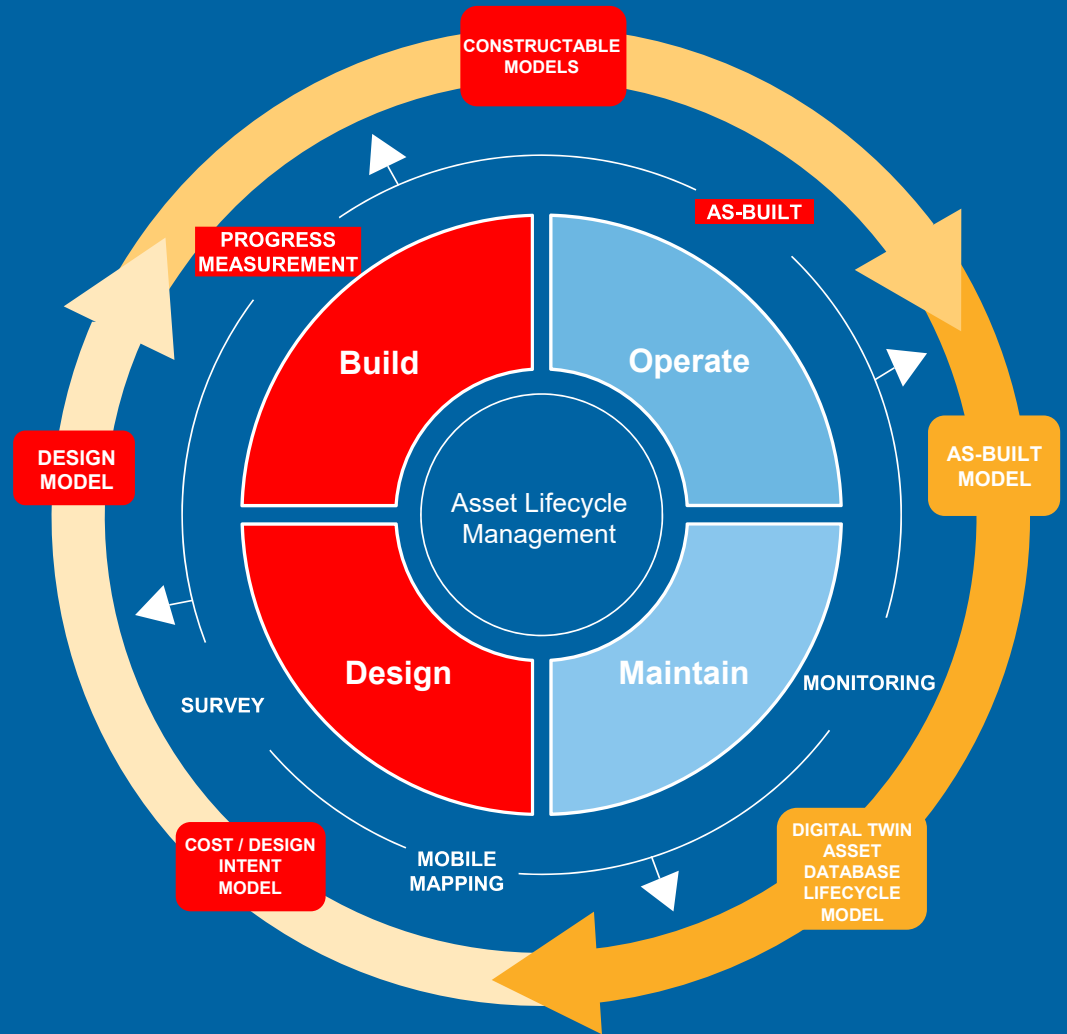
The e-Builder 'Add Project' form includes fields for 'Project Name', 'Administrator', 'Project Status', 'Project Photo', 'Address', 'City', 'State / Province', 'Zip / Postal Code', 'Country', 'Start Date', 'Target Date', and 'Project Webcam URL'. The 'Custom Fields' section includes 'Auth Test', 'Project ID', 'Lead Project Manager', 'Project Number', and 'Phase'.

## A shared project across e-Builder and Cityworks

- Common project ID
- Shared activities and costs
- eURL for Project Boundary available in e-builder

# Trimble's Asset Platform

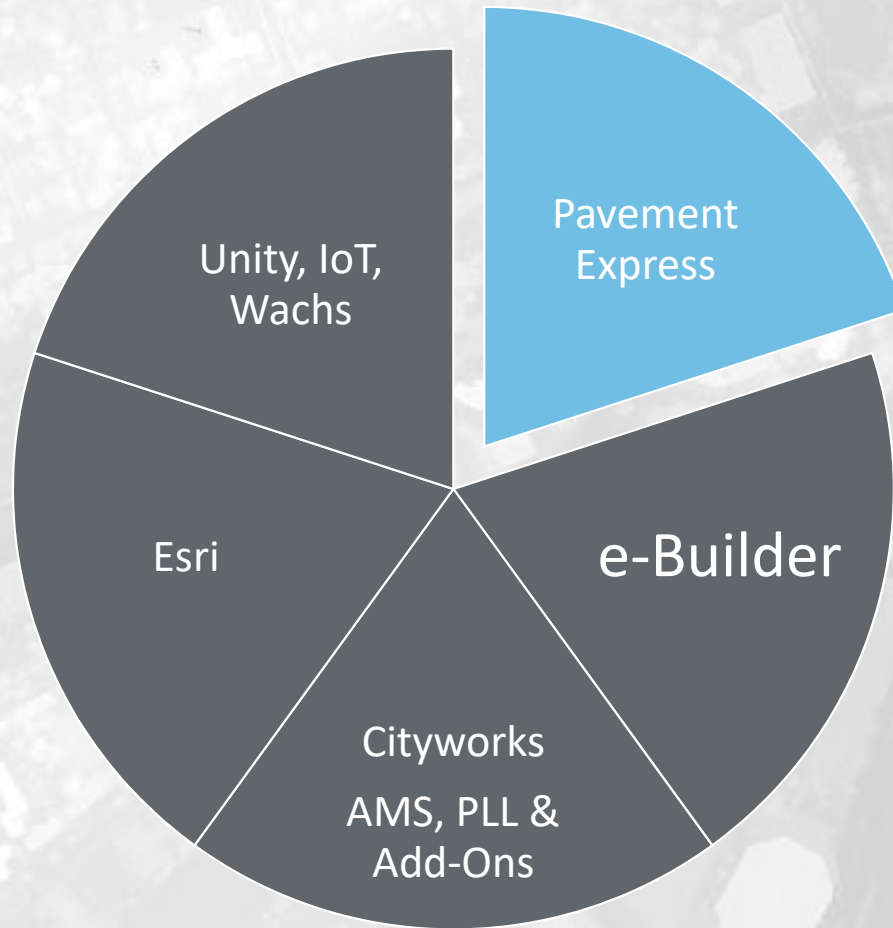
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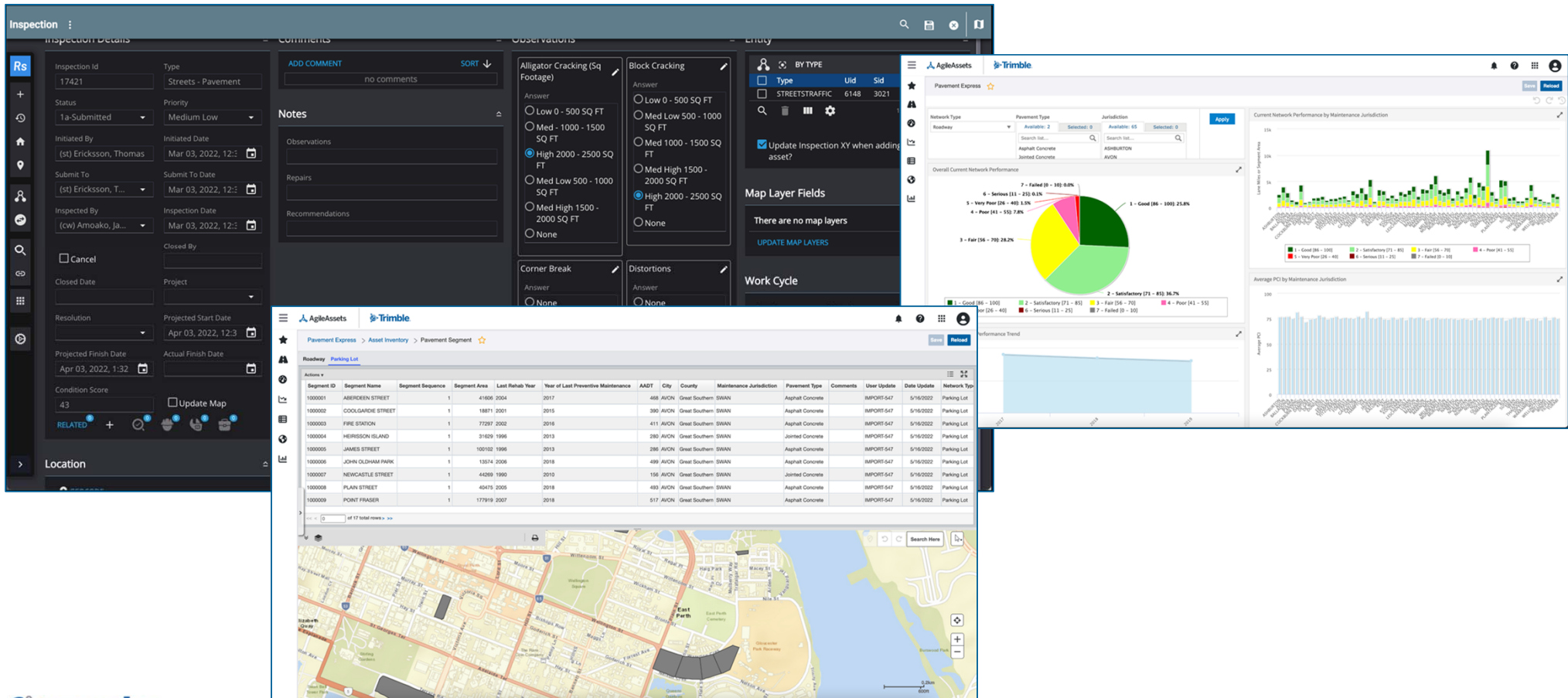
LEGEND

- Common Data Environment
- Reality Capture
- Workflows





# AgileAssets + Cityworks



The screenshot displays the AgileAssets software interface, which is integrated with Cityworks. The interface is divided into several panels:

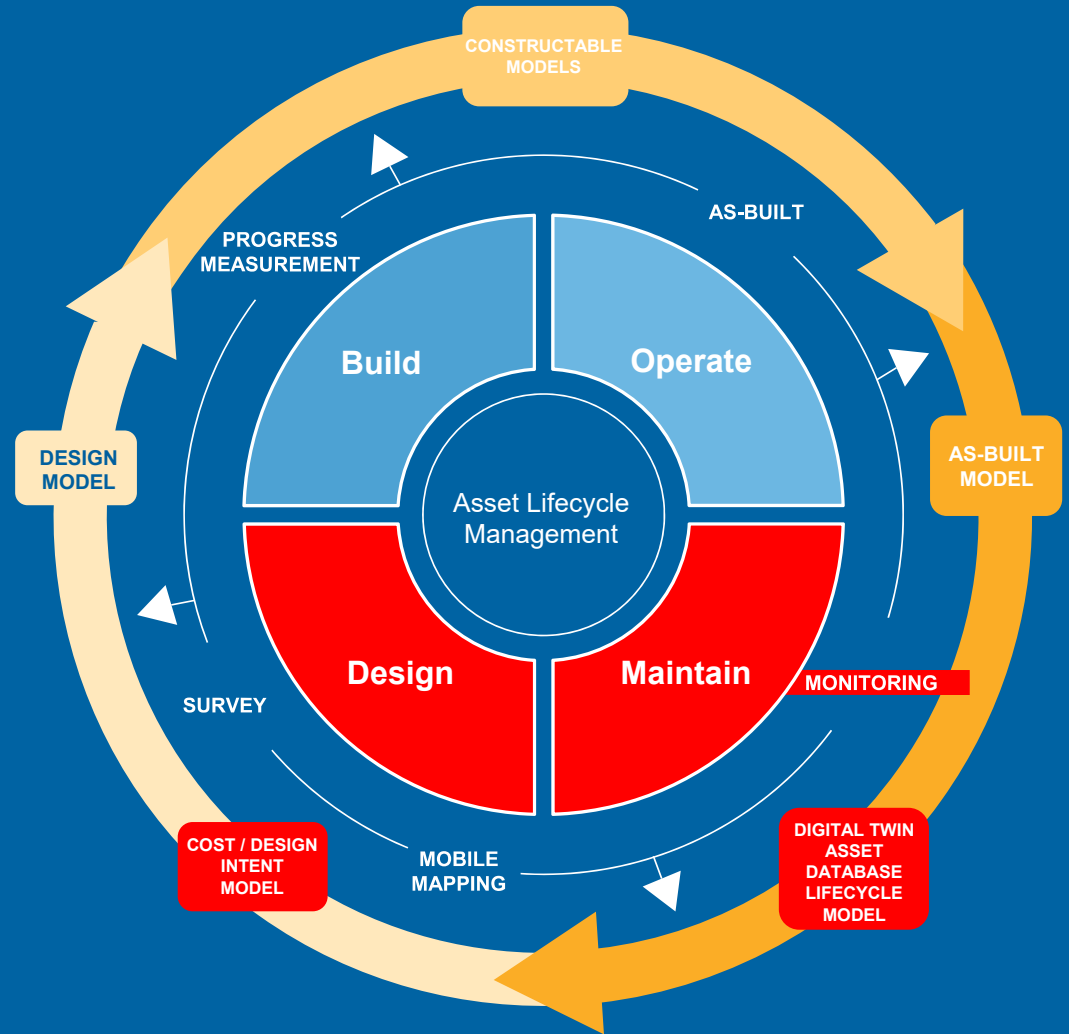
- Inspection Details Panel (Left):** Shows metadata for inspection 17421, including status (1a-Submitted), priority (Medium Low), and dates (Initiated: Mar 03, 2022; Submitted: Mar 03, 2022; Inspected: Mar 03, 2022).
- Comments and Observations Panel (Top Middle):** Includes a 'Comments' section with 'no comments' and an 'Observations' section with radio button options for 'Alligator Cracking (Sq Footage)' and 'Block Cracking'.
- Map Layer Fields Panel (Middle Right):** A sidebar with options like 'BY TYPE', 'STREETTRAFFIC', and 'Update Inspection XY when adding asset?'. It also contains 'Map Layer Fields' and 'Work Cycle' sections.
- Asset Inventory Table (Bottom Middle):** A table listing pavement segments with columns for Segment ID, Name, Sequence, Area, Last Rehab Year, Maintenance Jurisdiction, Pavement Type, and User Update.
 

Segment ID	Segment Name	Segment Sequence	Segment Area	Last Rehab Year	Year of Last Preventive Maintenance	AADT	City	County	Maintenance Jurisdiction	Pavement Type	Comments	User Update	Date Update	Network Type
1000001	ABERDEEN STREET	1	4166	2004	2017	468	AVON	Great Southern	SWAN	Asphalt Concrete		IMPORT-547	5/16/2022	Parking Lot
1000002	COOLGARDIE STREET	1	18871	2001	2015	380	AVON	Great Southern	SWAN	Asphalt Concrete		IMPORT-547	5/16/2022	Parking Lot
1000003	FIFE STATION	1	7728	2002	2016	411	AVON	Great Southern	SWAN	Asphalt Concrete		IMPORT-547	5/16/2022	Parking Lot
1000004	HERISSON ISLAND	1	31629	1998	2013	280	AVON	Great Southern	SWAN	Jointed Concrete		IMPORT-547	5/16/2022	Parking Lot
1000005	JAMES STREET	1	10102	1998	2013	286	AVON	Great Southern	SWAN	Asphalt Concrete		IMPORT-547	5/16/2022	Parking Lot
1000006	JOHN OLDHAM PARK	1	13574	2008	2018	499	AVON	Great Southern	SWAN	Asphalt Concrete		IMPORT-547	5/16/2022	Parking Lot
1000007	NEWCASTLE STREET	1	42689	1990	2010	156	AVON	Great Southern	SWAN	Jointed Concrete		IMPORT-547	5/16/2022	Parking Lot
1000008	PLAN STREET	1	46475	2005	2016	493	AVON	Great Southern	SWAN	Asphalt Concrete		IMPORT-547	5/16/2022	Parking Lot
1000009	POINT FRASER	1	177919	2007	2018	517	AVON	Great Southern	SWAN	Asphalt Concrete		IMPORT-547	5/16/2022	Parking Lot
- Performance Charts (Right):** Includes a pie chart for 'Overall Current Network Performance' and a bar chart for 'Current Network Performance by Maintenance Jurisdiction'.
 

Condition	Count	Percentage
1 - Good (26 - 100)	26	25.8%
2 - Satisfactory (71 - 85)	71	36.7%
3 - Fair (54 - 70)	54	26.2%
4 - Poor (41 - 53)	41	7.8%
5 - Very Poor (28 - 40)	40	5.3%
6 - Serious (13 - 25)	13	0.1%
7 - Failed (0 - 10)	0	0.0%

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LEGEND

- Common Data Environment
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## WHY WOOLPERT?



Internationally recognized **asset management thought leaders**



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A team **trained in ISO certification** and best practices



Proven **infrastructure and organizational management** domain expertise



**Successful track record** of implementing and integrating technologies



# Experience

## Woolpert's Cityworks Expertise



**Over 400** successful enterprise-class Cityworks implementations around the world



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