Spatially Enabling Campus Utility Data

Justin Anderson – Esri
Brian Baldwin – Esri
John Young – Patrick Engineering
Michael Parkin – Patrick Engineering

CAMPUS OPERATIONS
FALL WEBINAR SERIES – Session #1

Spatially Enabling Campus Utility Data: Outline

- Justin Anderson - Intro
- Brian Baldwin – Getting Started with Utility GIS
- John Young – Patrick Engineering
- Justin Anderson - Esri Resources
- Q & A

Webinar Housekeeping

- Please enter your questions in the chat box
- Microphones will be muted
- Q&A session at the conclusion of the webinar
- Webinar & slides will be available
- Survey following the webinar

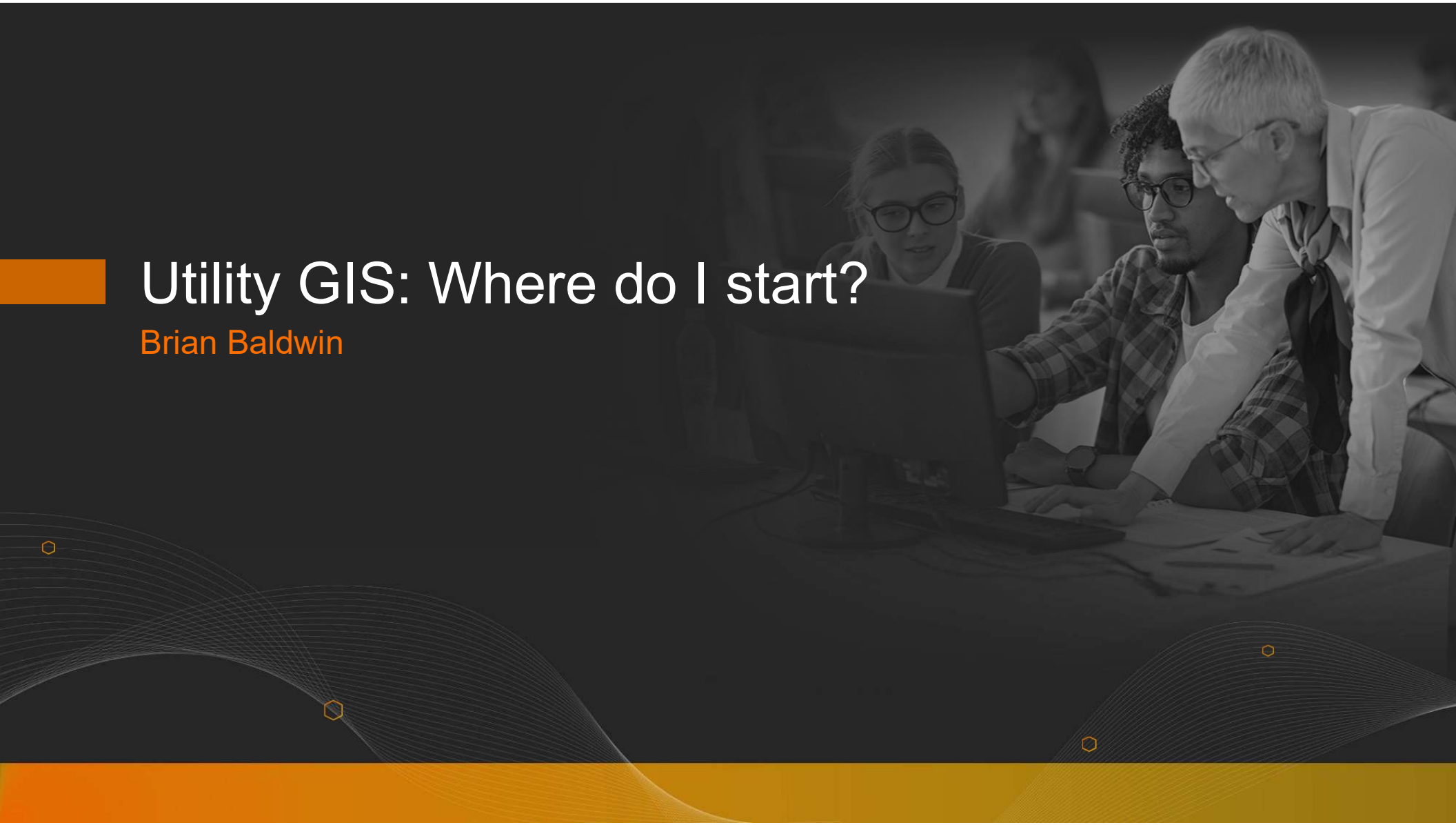
Advancing GIS & *The Science of Where*
Engineering and Science Focused
esri SERVING OUR USERS
Strong and Growing
…Working Together to Make a Difference

Welcome to the 'Spatially Enabling Campuses with GIS' webinar series!

- Spatially Enabling Campus Utility Data
  - (September 23rd at 12pm EST)
- Network Management for Campuses with ArcGIS Utility Network
  - (October 21st at 12pm EST)
- Spatially Enabling Campus Public Safety Data
  - (November 18th at 12pm EST)

Utility GIS: Where do I start?

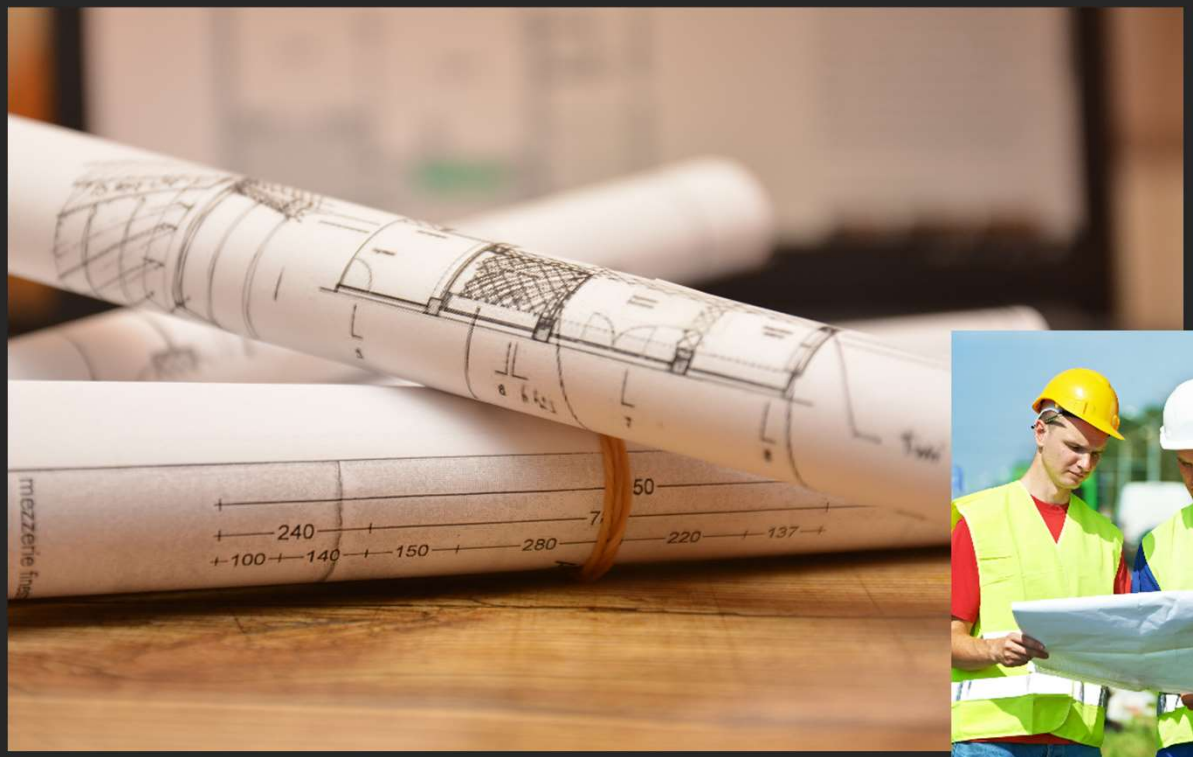
Brian Baldwin



Campus Utility Challenges

- Aging Infrastructure
- Aging Workforce
- Data Quality
- Resources

Campus Utility Mapping Platform…



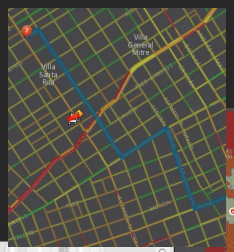
“mobile maps”

“Isn’t GIS just a campus basemap…?”

GIS today

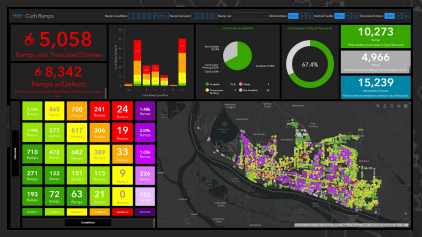
Wi-Fi Planning

Emergency Routing

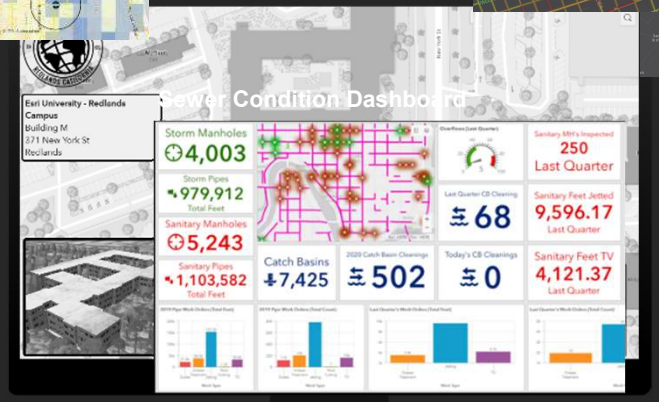


Travel Analysis

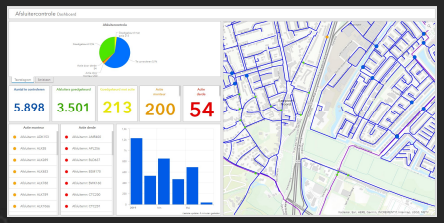
Sidewalk Ramp Status



Age of Network

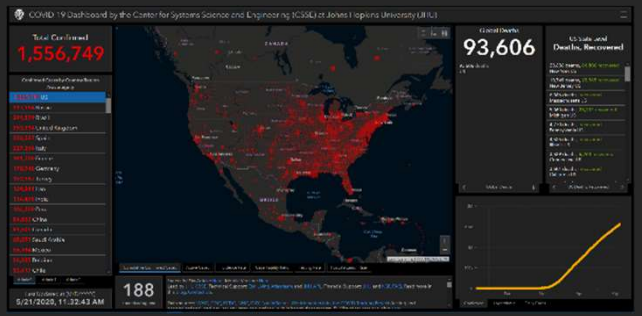


Water Management

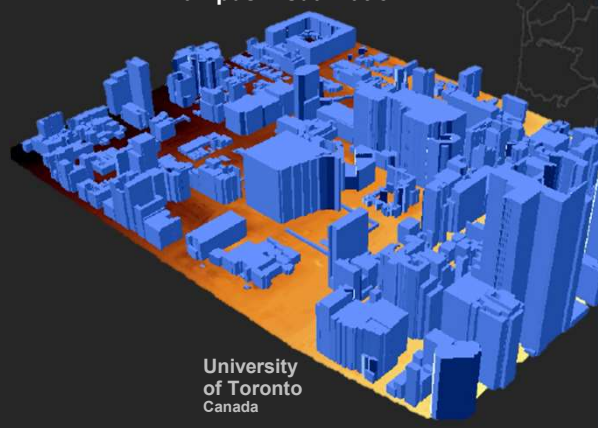


Tree Inventory

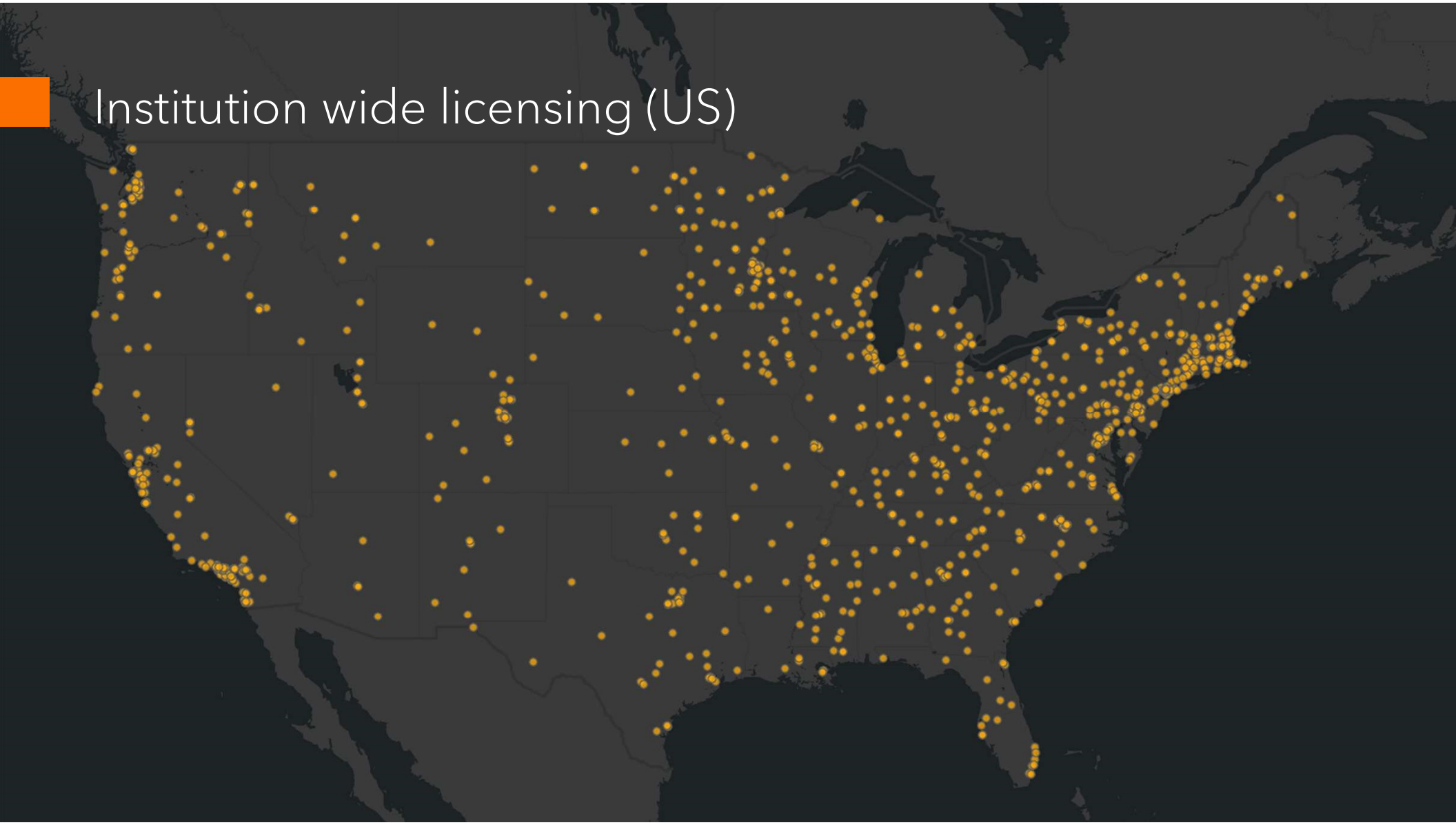
COVID-19 JHU Dashboard



Campus Visualization



Institution wide licensing (US)

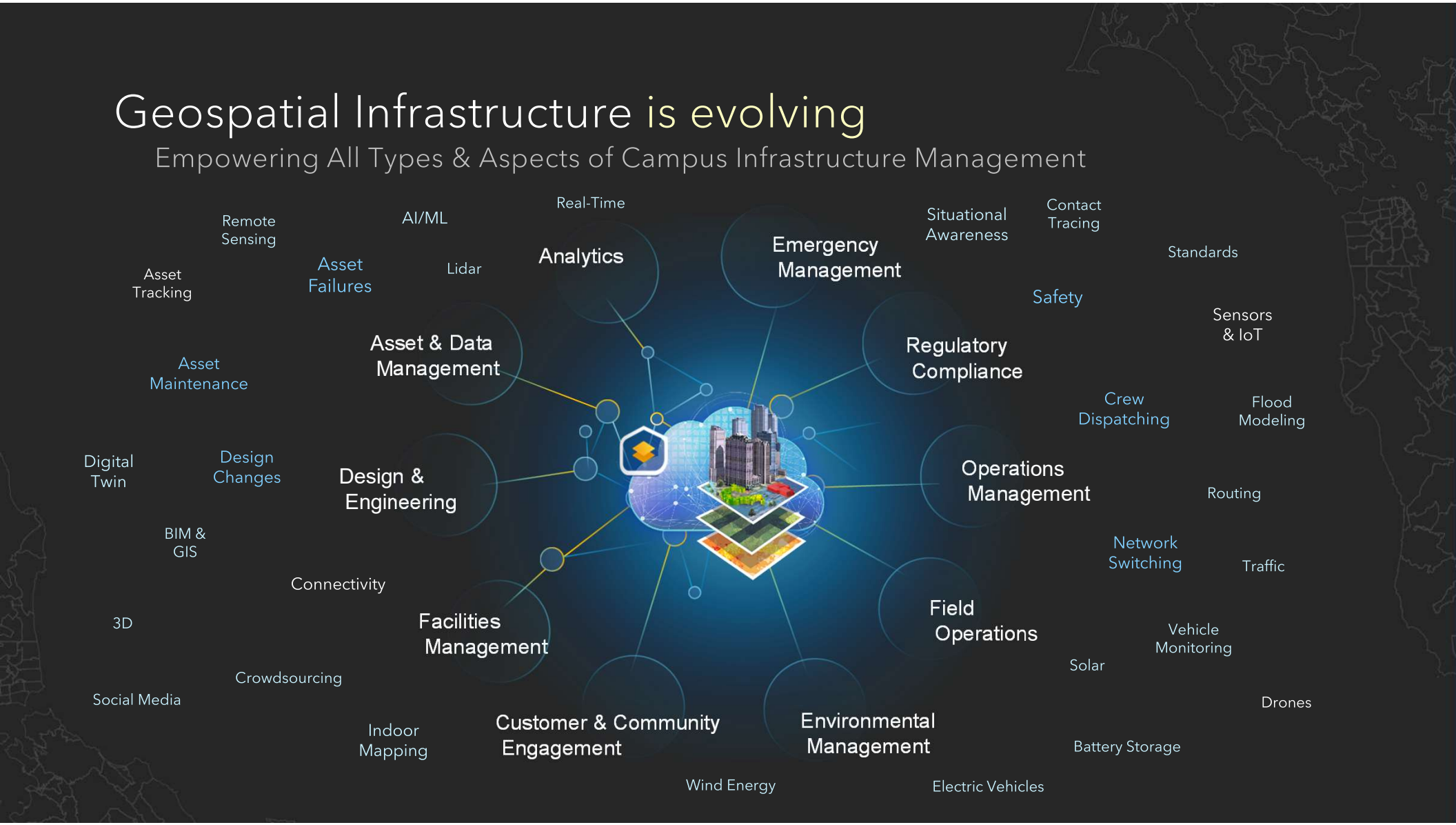


Geospatial Infrastructure

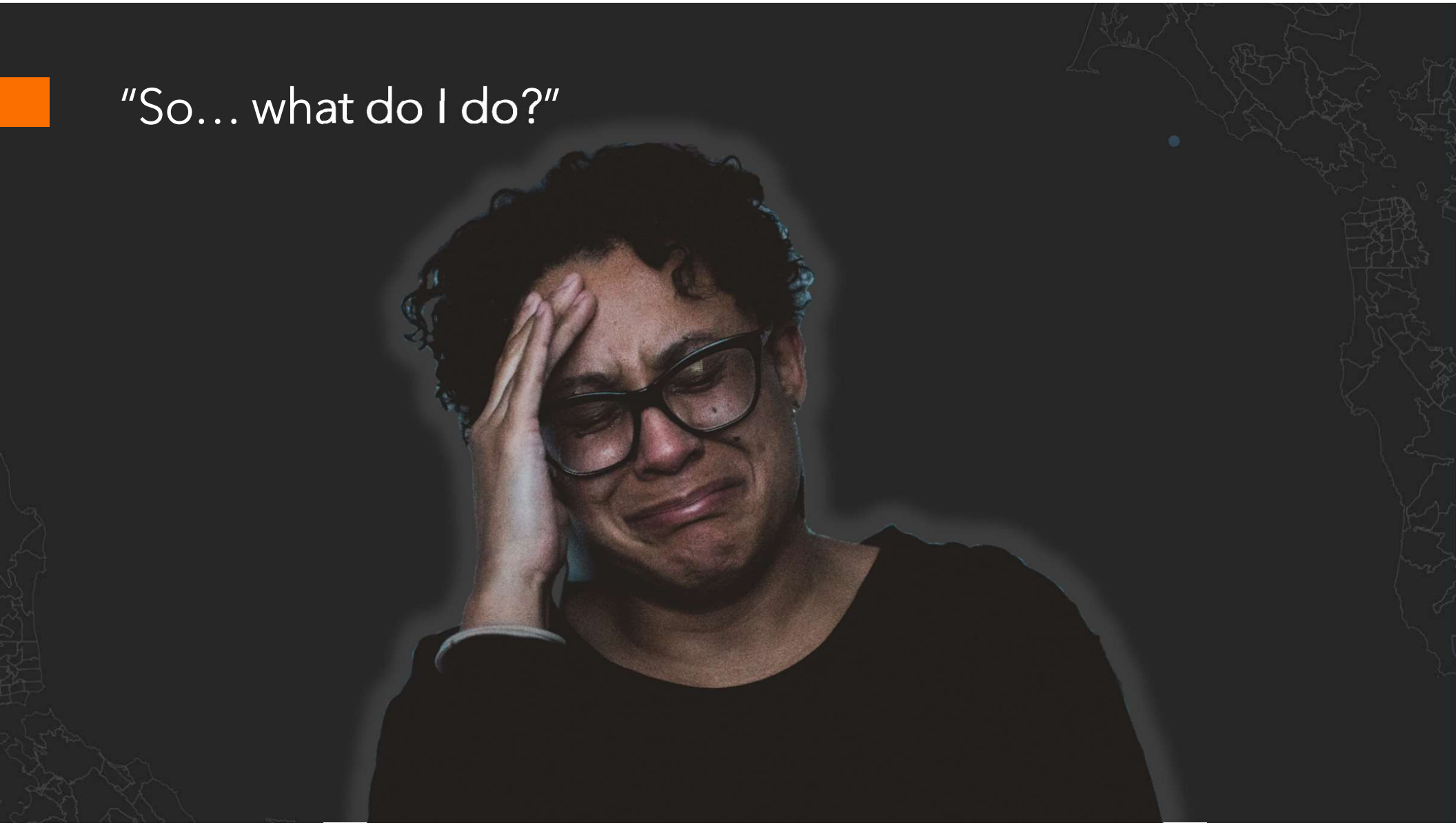
Empowering All Types & Aspects of Campus Infrastructure Management

Geospatial Infrastructure is evolving

Empowering All Types & Aspects of Campus Infrastructure Management



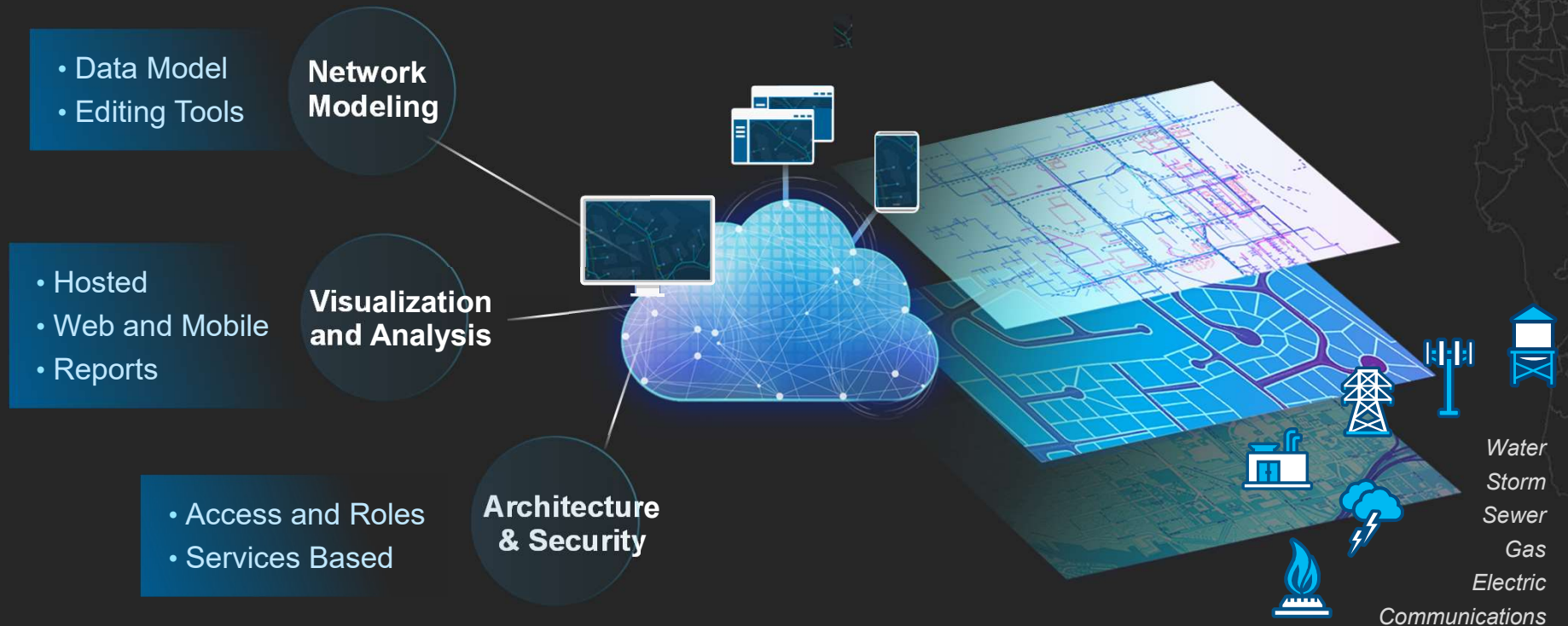
“So… what do I do?”

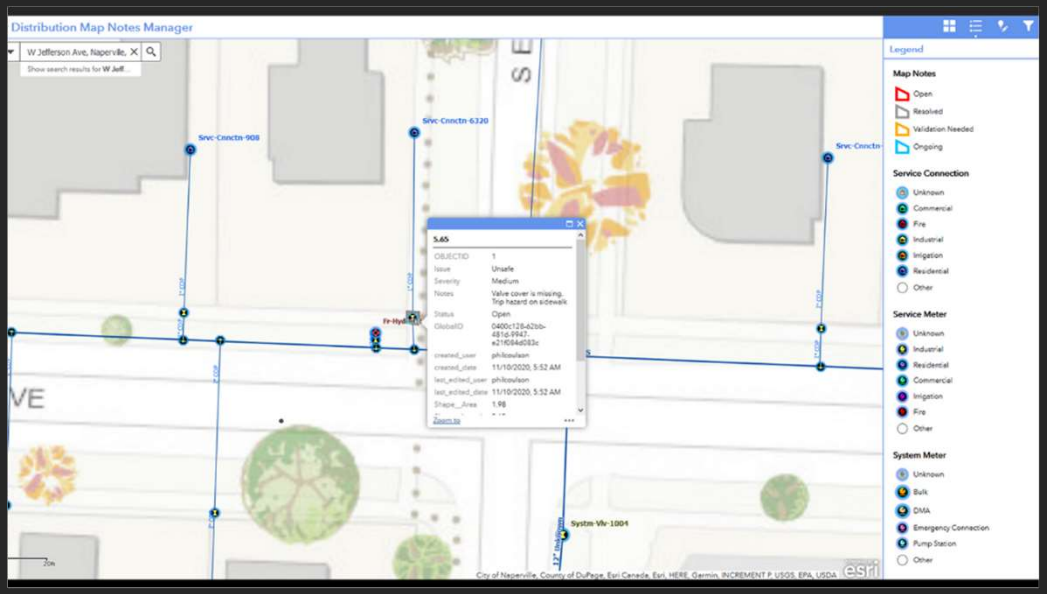


Network Management: ‘1-2-3’

1. Data Management for ArcGIS Online
2. Utility Network (FGDB)
3. Utility Network (Enterprise)

Network Management: ‘Data Management for ArcGIS Online’

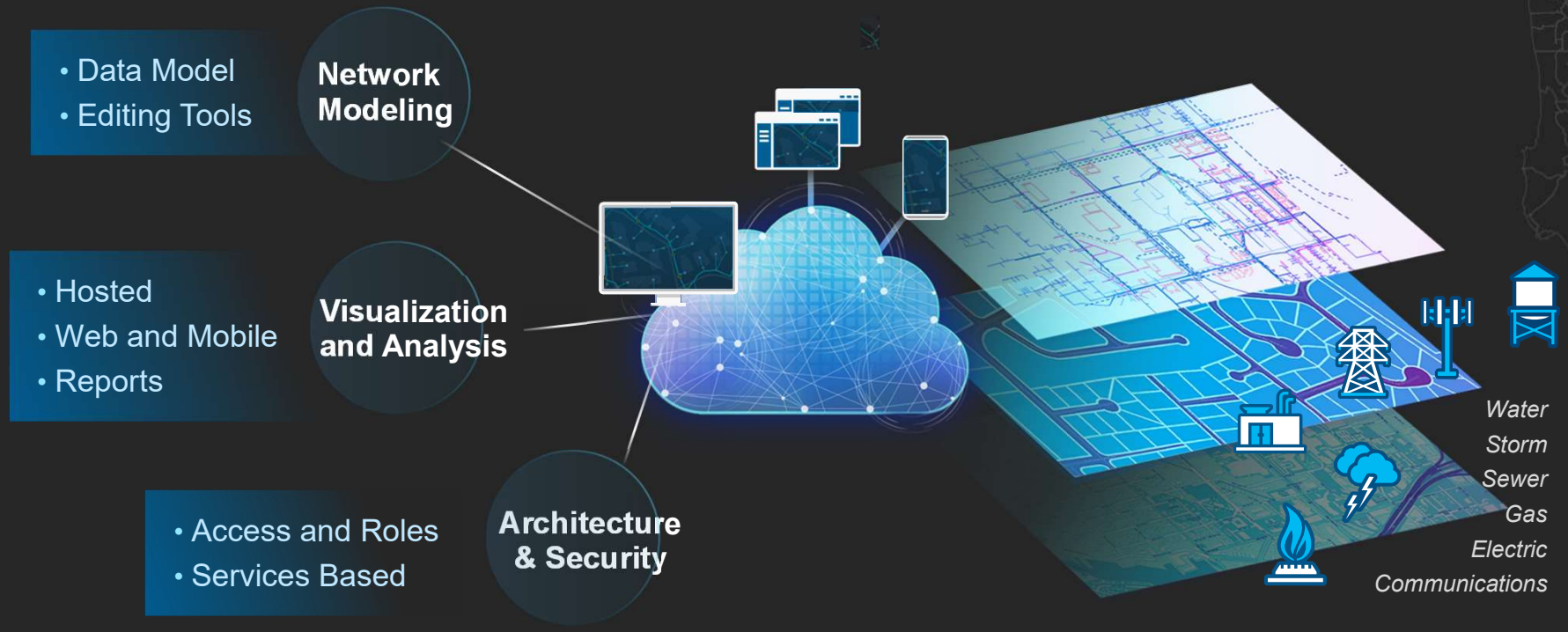




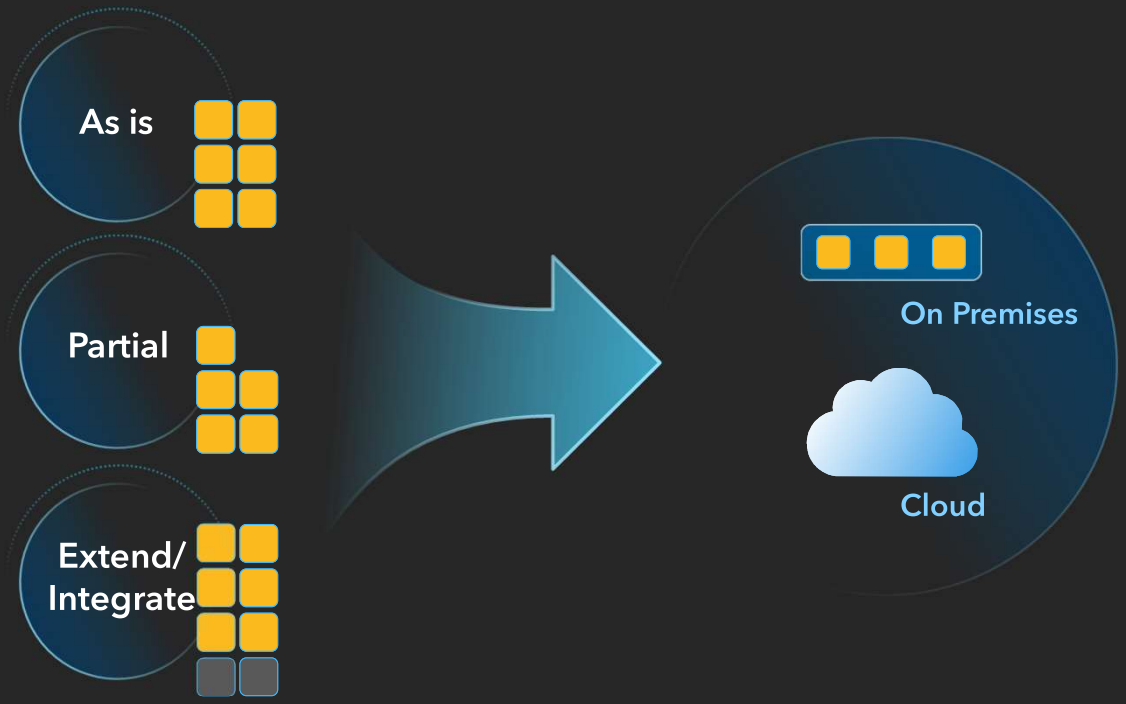
Data Management for ArcGIS Online

Demonstration

Network Management: ‘Data Management for ArcGIS Online’



Solution Deployment Patterns



On Premise or in the Cloud

Conditions for Success

People

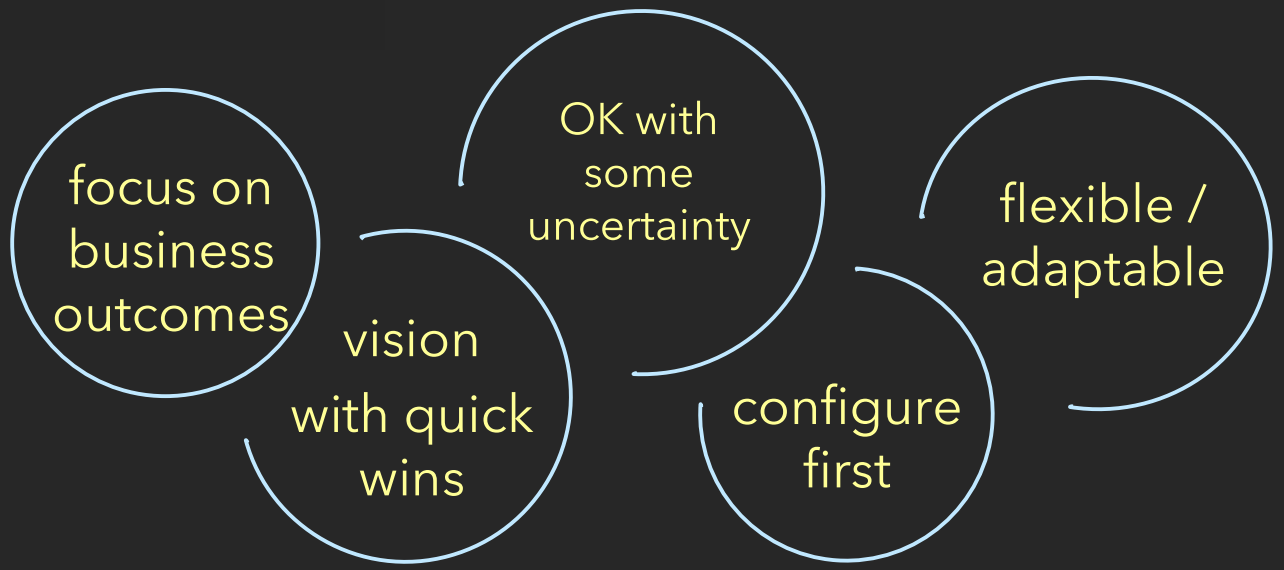
Executive Sponsor

Champion

Technical Leadership

Conditions for Success

Mindset

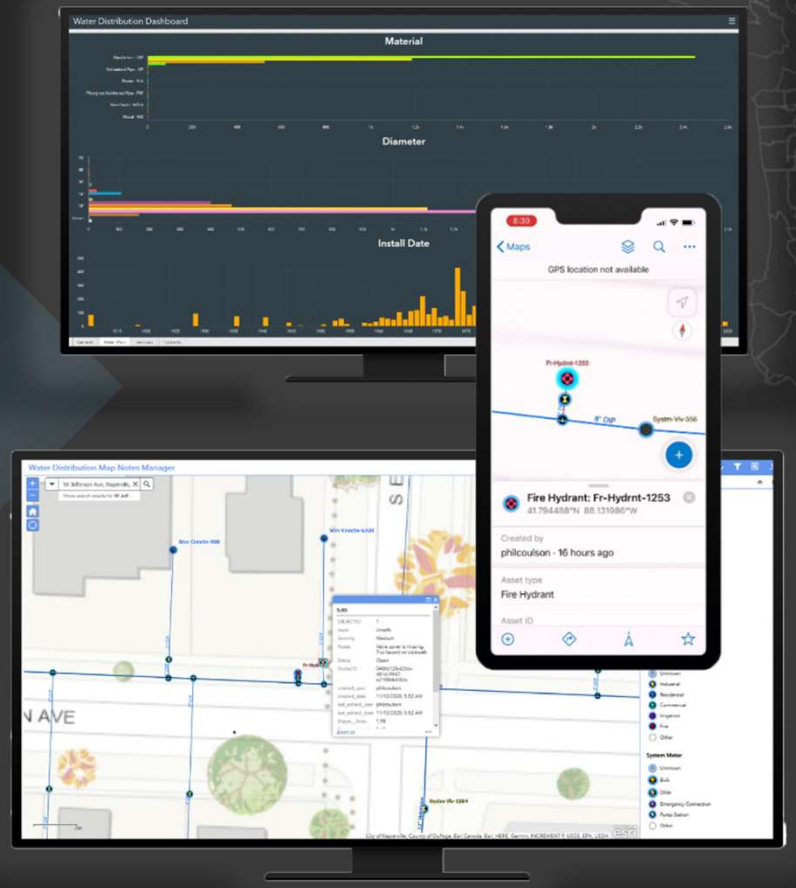


Conditions for Success

5 Steps

To Digitally Transform your Organization

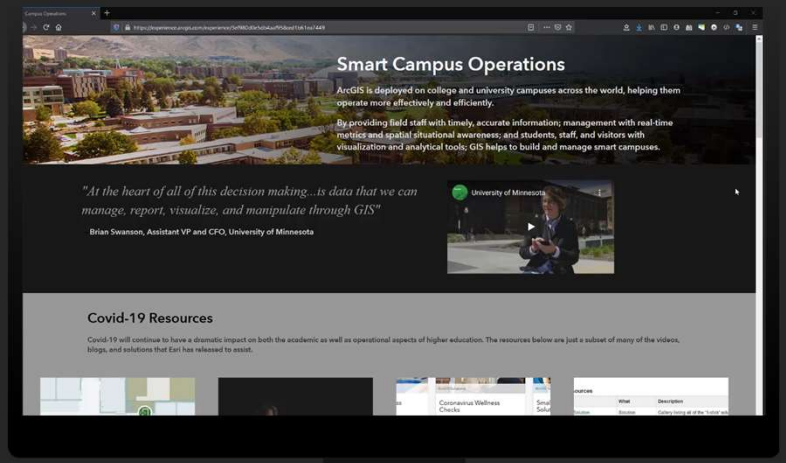
Utility Management in GIS

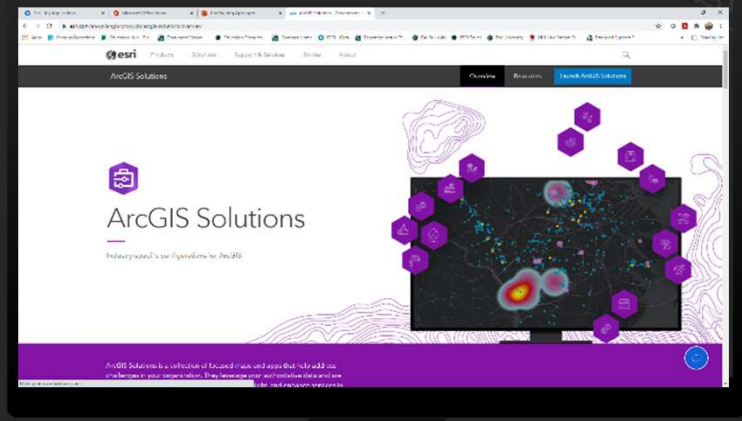


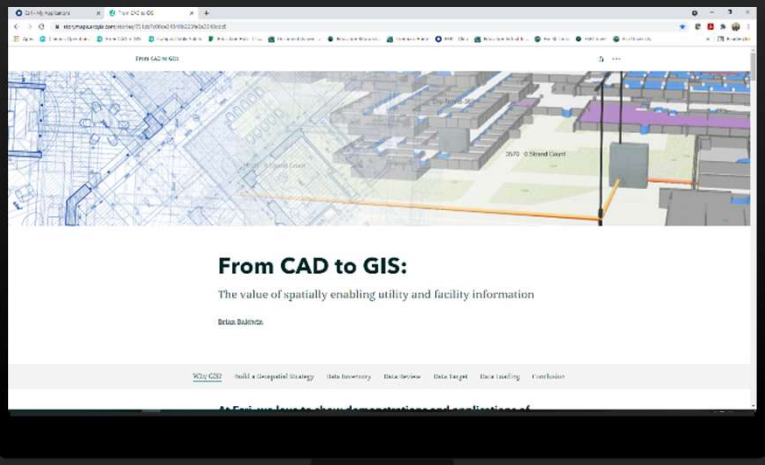
Patrick Engineering

John Young – Director, GIS & Asset Management
Michael Parkin – Senior Consultant

Resources


Smart Campus Operations
ArcGIS is deployed on college and university campuses across the world, helping them operate more effectively and efficiently.
By providing field staff with timely, accurate information; management with real-time metrics and spatial situational awareness; and students, staff, and visitors with visualization and analytical tools; GIS helps to build and manage smart campuses.
"At the heart of all of this decision making...is data that we can manage, report, visualize, and manipulate through GIS"
Brian Swanson, Assistant VP and CFO, University of Minnesota
University of Minnesota
Covid-19 Resources
Covid-19 will continue to have a dramatic impact on both the academic as well as operational aspects of higher education. The resources below are just a subset of many of the videos, blogs, and solutions that Esri has released to assist.
Coronavirus Wellness Checks


ArcGIS Solutions


From CAD to GIS:
The value of spatially enabling utility and facility information

Actions

- Contact account managers
  - Who do I contact?
  - What's my licensing?
- Survey
  - Let's talk!
  - Utility user group?
- Questions/Issues:
  - Justin Anderson – justin_anderson@esri.com

Q&A

Justin Anderson –
justin_anderson@esri.com

Copyright © 2020 Esri. All rights reserved.