



WELCOME

VIRTUAL MEETING WILL BEGIN AT

11:30 AM Central

Society of American Military Engineers

Omaha Post

March 10th 2026 Meeting



Omaha Post Meeting

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March 10th, 2026 Meeting

Meeting Agenda

- Pledge of Allegiance
- New Member/Guest Introductions
- Invocation
- Lunch
- Announcements
- Member Spotlight
- Presentation
- Q&A
- Split Kitty Drawing
- Closing Remarks

Pledge of Allegiance



I pledge allegiance to the Flag of the United States of America, and to the Republic for which it stands, one Nation under God, indivisible, with liberty and justice for all.

Introductions

- Welcome Student Chapter Members
- Welcome New SAME Members
- Introduction of Guests

Invocation

Please join us in the invocation before we dismiss for lunch

Lunch

Dismiss by table

Announcements

- ▶ Bloomsdale Excavating's Federal Construction Meet & Greet
 - Connect with contractors, partners, and industry professionals working within the Omaha District. The event is intended to foster meaningful relationships and introduce the Bloomsdale team as they expand their presence in the region.
 - Tuesday, March 10, 4:30-7:00 pm
 - Embassy Suites by Hilton Omaha Downtown Old Market, 555 South 10th St, Omaha NE 68102

[Federal Construction Meet & Greet - Invite.social](#)

Announcements

- ▶ SAME Engineering and Construction Camps
 - Applications are now open for the six SAME STEM Camps.
 - The Students are selected by HQ SAME and the Camp Directors.
 - **Camp Applications due March 11, 2026**
 - **<https://www.same.org/omaha/scholarships/>**
- ▶ Interested in being a SAME Mentor at the STEM Camps?
 - ▶ Email sbayer@hgl.com for more information

Announcements

■ SMP Judges and Volunteers Needed!

- ▶ Student Mentorship Program (SMP) Competition on **March 26th**
- ▶ Location: Scott Conference Center
- ▶ Please contact Nicole Hunter at samesmp@gmail.com if you are interested in judging or volunteering for the competition.

Announcements

■ **A/E/C Masters: Teeing Up for Connections**

- ▶ Tee up for an afternoon of great connections, friendly competition, and a chance to learn more about the organizations that help our industry thrive!
- ▶ Whether you're new to the field or a seasoned pro, this event is your chance to meet fellow "Masters" of the A/E/C industry and expand your professional network.
- ▶ Date/Time: April 15th from 3:00-5:00 PM (CST)
- ▶ Location: Legends Patio Grill & Bar, 6920 Pacific St, Unit 100, Omaha, NE 68106
- ▶ Cost: \$25 for members of participating organizations or \$30 for non-members
- ▶ [Click Here for More Information and to Register](#)

Announcements

- **SAME Monthly Post Meeting – April**
 - ▶ April 14th at Field Club of Omaha
 - ▶ Topic: Synthetic Turf Revetment Systems – Watershed Geo

Announcements

- **Save the Date for the SAME Missouri River Joint Engineer Training Symposium (JETS)**
 - ▶ Mark your calendars for 2026 SAME Missouri River Joint Engineer Training Symposium (JETS) hosted by Omaha & GKC Posts in Omaha, Nebraska -
 - ▶ **May 27-29, 2026**
 - ▶ More information coming soon!
 - ▶ [Click here for more information and for registration once it is open.](#)



Announcements

- **Congratulations to Omaha Post's Newest Fellow!**



Tom Svoboda

Tom has been a member of the Omaha Post for over 35 years as a SAME Member including 15 years as a member of the Omaha Post, serving most recently on the Board of Direction as the Vice President for Leadership and Mentoring.

Member Spotlight

IMEG

Markus Henneke, PE, USAF(Ret)
Principal/Director of Military Programs



FIRM OVERVIEW & INTRODUCTION

LOCAL CONNECTIONS. NATIONAL EXPERTISE. OUTCOME DRIVEN.



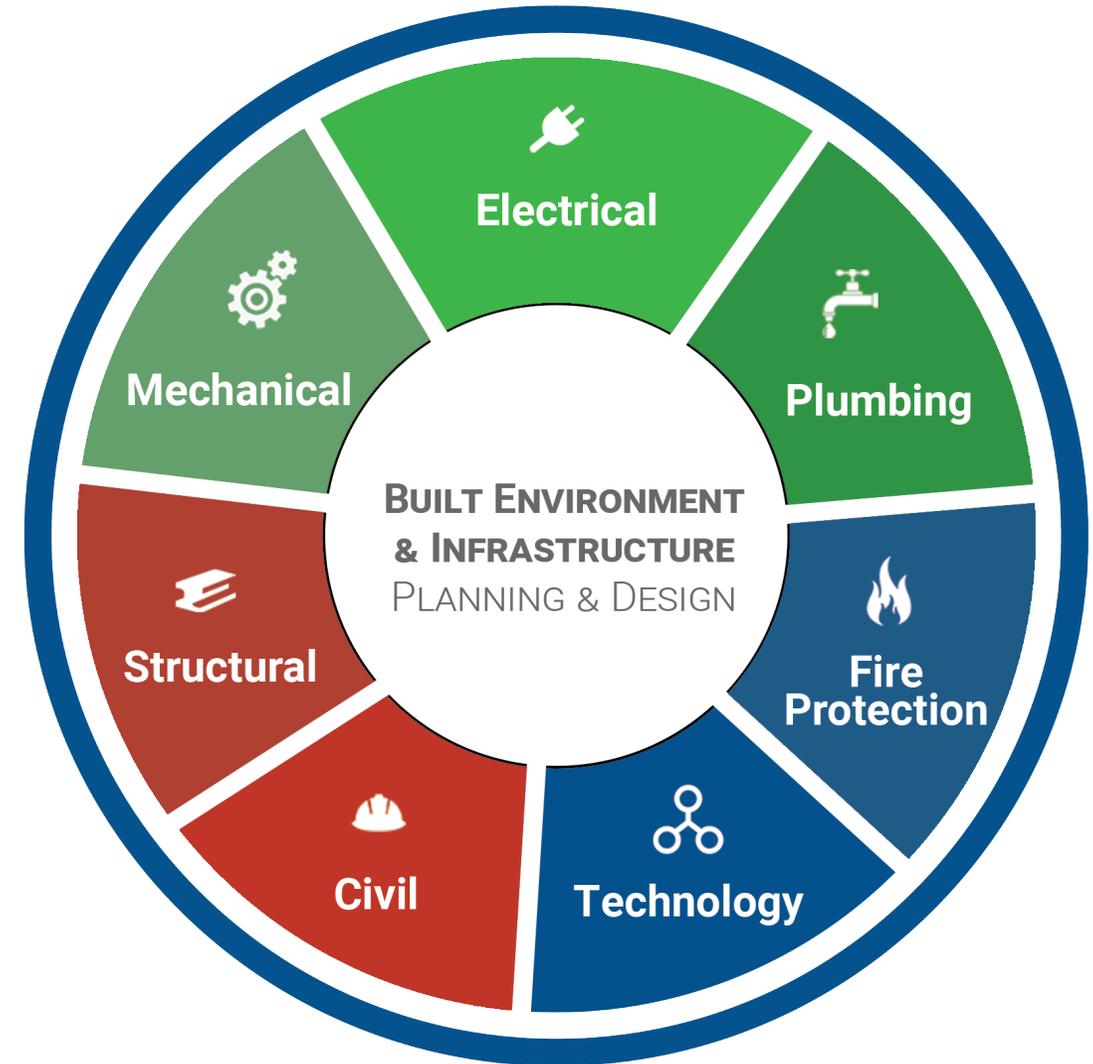
IMEG's WHY!

Together we create positive outcomes for people, communities, and our planet.





- › 105 collective years
- › 3,000+ Employees
- › U.S. based & employee-owned
- › 100+ Locations
- › 650+ Licensed Engineers
- › \$540M in Annual Revenue
- › #48 / Top 500 design firm





Strong roots and continued expansion of talent & expertise...

BUILDING DESIGN: ENGINEERING & PLANNING

- MEP / FP Engineering
- Structural Engineering
- Civil Engineering
- Technology Design
- Security Design & Engineering
- Acoustics & Noise Control
- Lighting Design
- Medical Equipment Planning
- Parking Design & Planning
- Seismic Engineering
- Silo Design & Inspection

INFRASTRUCTURE: DESIGN & PLANNING

- Civil Engineering
- Land Development & Surveying
- Urban Planning & Design
- Transportation Planning & Design
- Environmental Planning & Permitting
- Landscape Architecture & Planning
- Water / Wastewater
- Materials Testing
- Subsurface Utility Engineering
- Construction Observation
- Community Engagement

SUSTAINABILITY & ENERGY SOLUTIONS

- Daylighting
- Decarbonization Planning
- Energy Modeling
- Embodied Carbon Analysis
- Life-cycle Cost Analysis
- LEED & WELL Consulting
- Net Zero Energy
- Rapid Performance Modeling

BUILDING PERFORMANCE & OPERATIONS

- Commissioning
- Retro-Commissioning
- Monitored-based Commissioning
- Building Performance Optimization

CONSULTING & ADVISORY SERVICES

- Vision & Planning (all project types)
- Building Intelligence & Integration
- Healthcare Information Technology
- Security Consulting
- Capital Planning and FEED studies
- Operational Readiness
- Owners Rep and SME Consulting

PROCESS ENGINEERING

- Automation & Controls
- Chemical Process
- Bulk Processing

FIRM LOCATIONS



KEY MARKETS



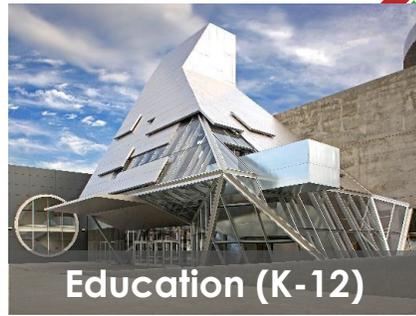
Aviation



Commercial



Corporate



Education (K-12)



Education (Higher)



Entertainment



Federal



Government (State/Local)



Healthcare



Housing



Hospitality



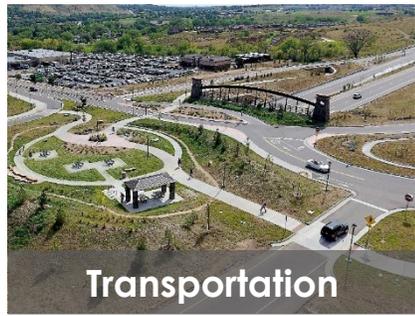
Industrial



Science & Technology



Sports & Recreation



Transportation



Water & Wastewater



› National Recognized

- Top 20 Greenest Design Firms
- Delivering sustainable design for decades

› Hundreds of Certified Engineers

› Hundreds of Certified Projects

- Many “firsts” in the industry

› Industry Commitment

- Partners in MEP 2040, SE 2050, AIA 2030, and more

› Corporate Sustainability Policies & Initiatives



AIA 2030 Commitment



FEDERAL/DEFENSE PORTFOLIO

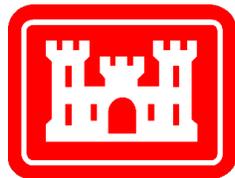
#20 FEDERAL
Engineering Firm in U.S.
(BD+C)

- › 100+ federal contracts
- › 60+ years of experience
- › 5,000+ projects
- › \$25.5 billion in construction value



Illinois Army National Guard Readiness Center, Kankakee, IL

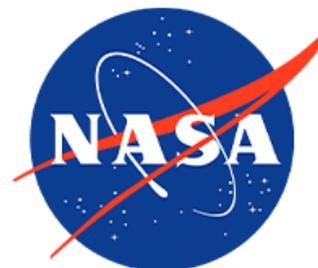
FEDERAL CLIENTS - NATIONAL



**US Army Corps
of Engineers®**



**U.S. DEPARTMENT
of ENERGY**



U.S. DEPARTMENT OF AGRICULTURE



**UNITED STATES
POSTAL SERVICE®**



**General Services
Administration**



FEDERAL PROJECT HIGHLIGHTS FIRM-WIDE



GSA - Frank E. Moss Historic Courthouse Renovation (UT)



National Park Service - St. Louis Arch Museum and Visitor Center Expansion & Addition (MO)



USACE Omaha District - Non-Kinetic Operations Facility (NE)



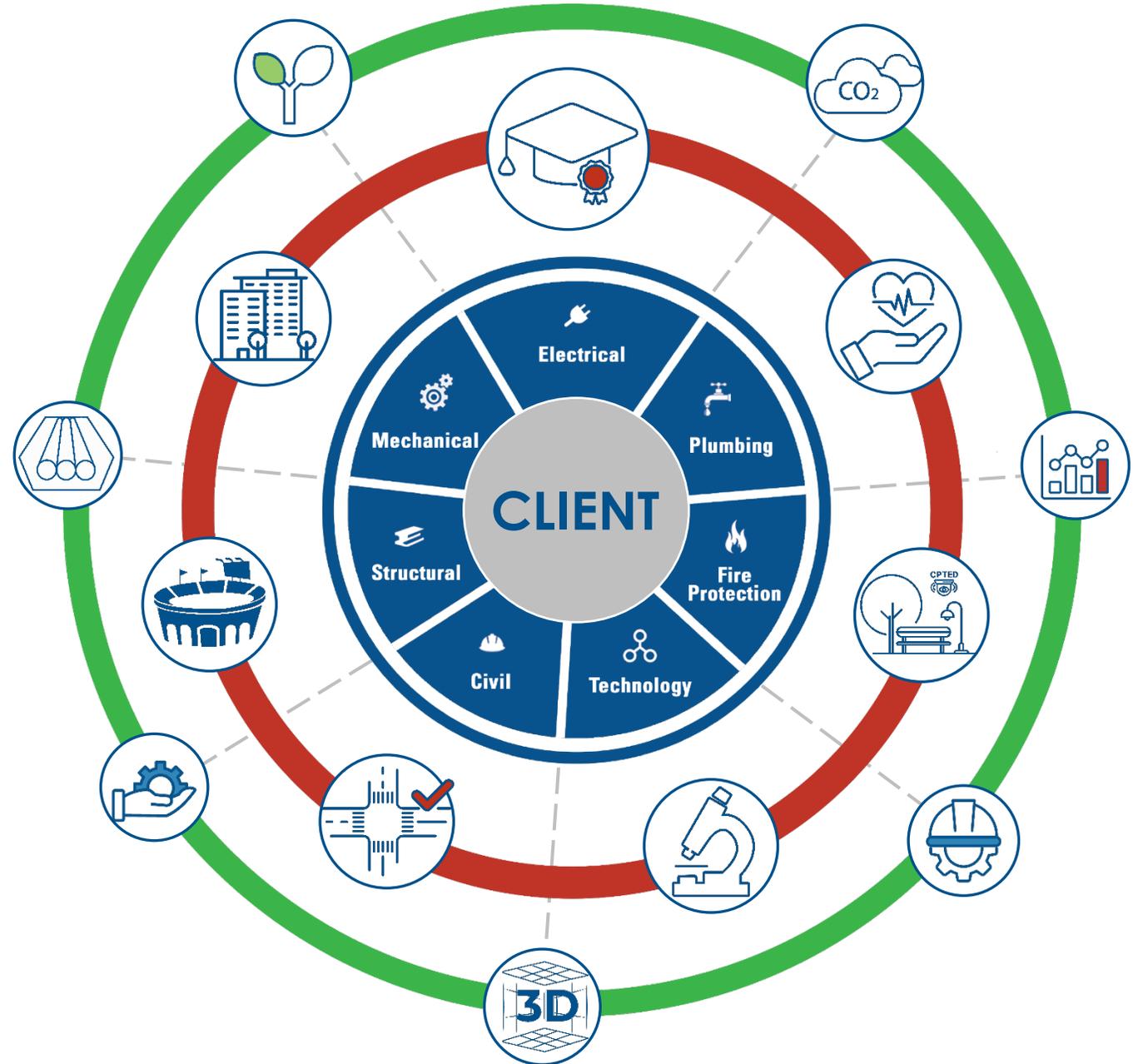
Dept of Energy - SLAC LCLS-II LEIT (CA)



USACE New England District - VA West Haven New Surgical Clinical Tower Building (CT)

OUR VALUE PROPOSITION

- › **Client Centric**
- › **Local Connections**
- › **Deep Bench of Expertise**
 - Core Disciplines
 - Market Sector Specialists
 - Design Innovations & Specialties
- › **Interconnected ONE IMEG**





IMEG's WHY!

Together we create positive outcomes for people, communities, and our planet.



Presentation

Mobile Mapping & Aerial LiDAR

Andrew Pokorny

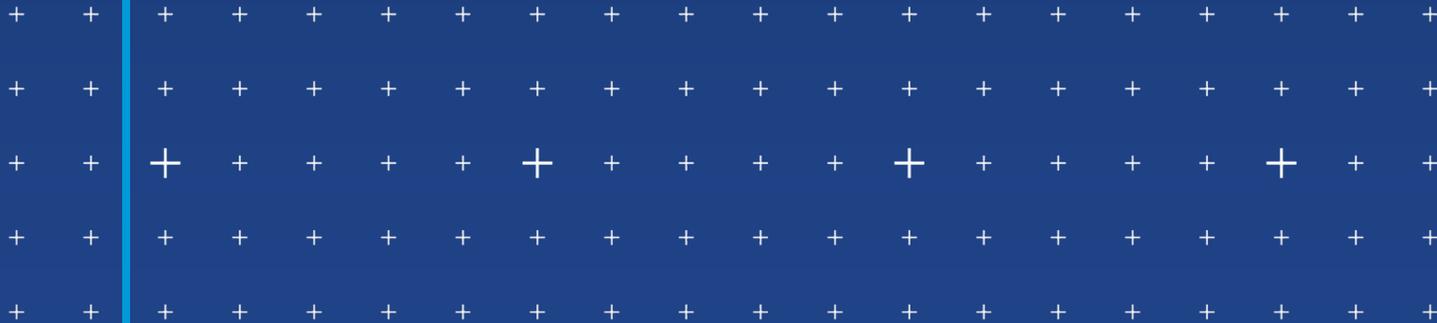
Associate/3D Scanning Director

RW Engineering & Surveying, Inc.



MULTI-PLATFORM REALITY CAPTURE

+ MOBILE AND AERIAL LIDAR SOLUTIONS FOR DESIGN, INSPECTION, AND AS-BUILT ACCURACY

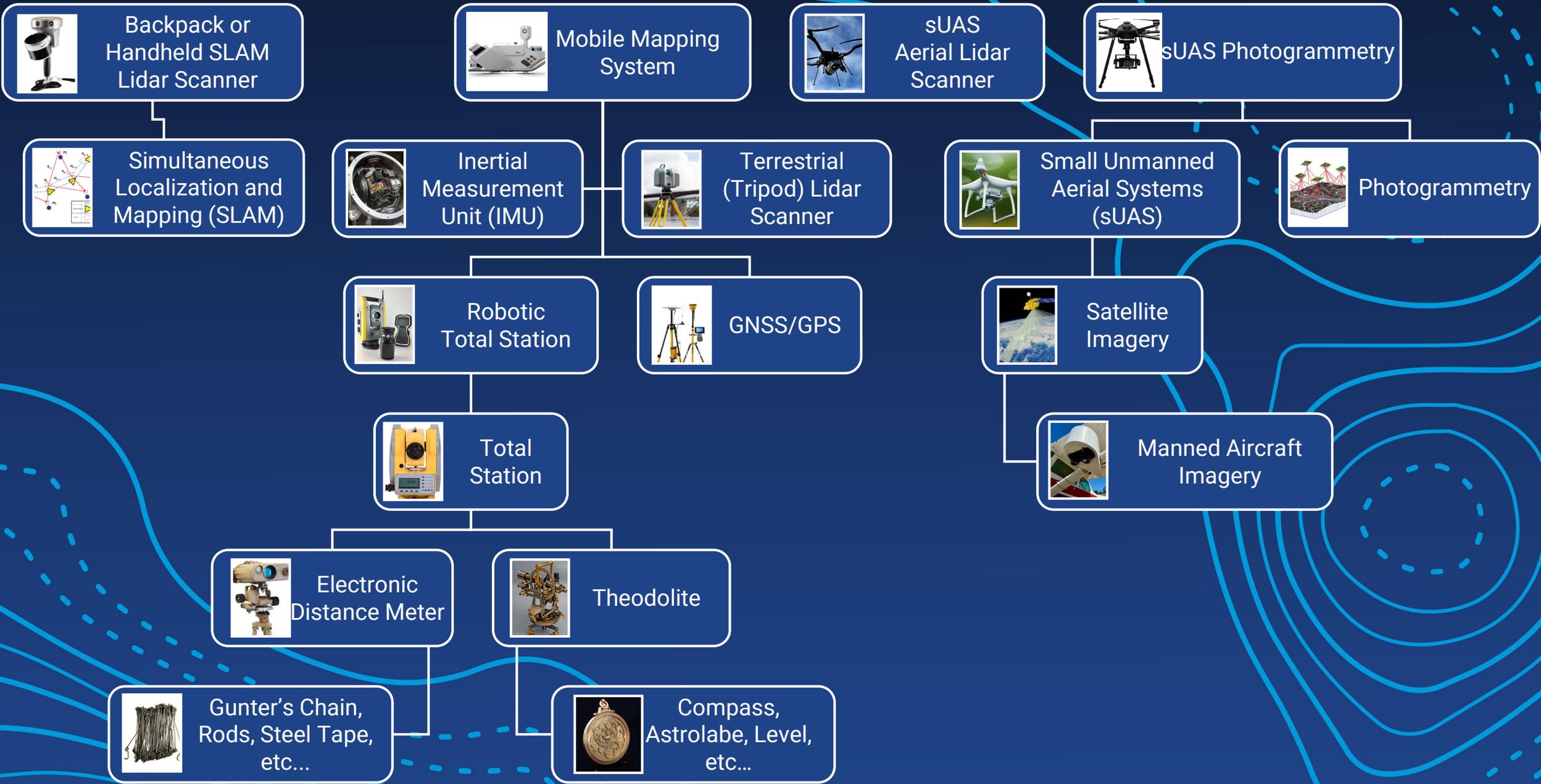


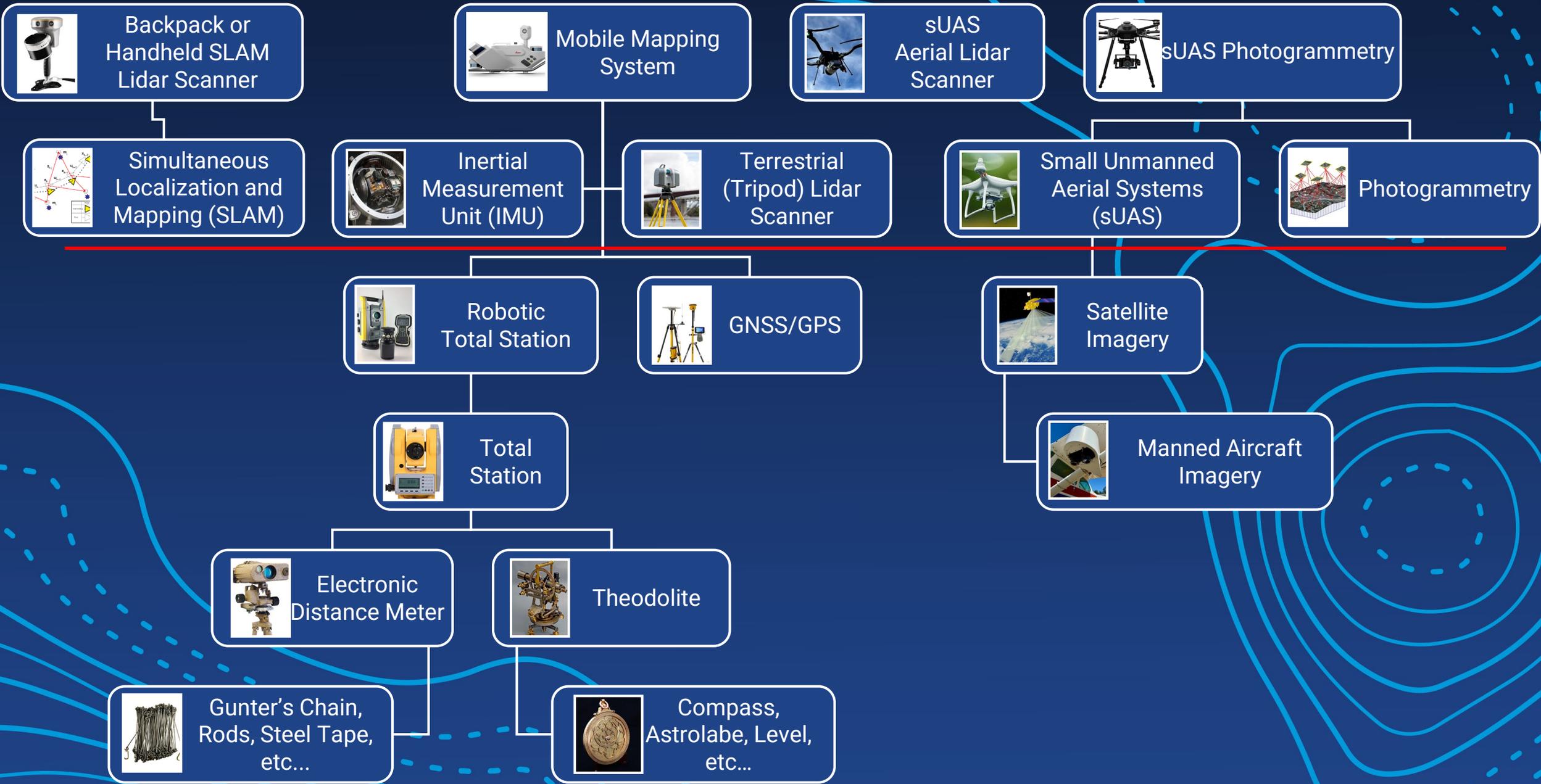
INTRODUCTION

ANDREW POKORNY, PLS

- + Professional Licensed Surveyor (Nebraska)
- + Scanning Director at RW Engineering & Surveying
- + Spent the last 4 years integrating advanced surveying technology into RW's workflows.
 - + Terrestrial LiDAR
 - + Mobile LiDAR Systems
 - + Aerial LiDAR and Photogrammetry
 - + Bathymetric Sonar
 - + More







TERRESTRIAL LIDAR SYSTEM

ULTRA-ACCURATE, GROUND BASED DATA COLLECTION

- + **High Accuracy Potential:** Stationary scanning from tripods yields exceptionally dense and clean point clouds.
- + **Customizable Angles:** Operators can control unit placement to capture fine details or hard-to-reach elements.
- **Comparatively Slower:** Data capture takes 3–15 minutes per scan.
- **High Equipment Cost:** Startup costs range from \$30,000 to \$120,000, plus training and data processing overhead.



SUAS PHOTOGRAMMETRY

LOW-COST, HIGH-EFFICIENCY AERIAL DATA CAPTURE

- + **Cost Effective Entry:** System costs range from \$1,500 to \$25,000—affordable for many firms.
- + **Ease of Use:** Simple operation and fast deployment for site tracking and DTM generation.
- **Accuracy Challenges:** Performance depends on flight settings, environmental conditions, and control quality.



AERIAL LIDAR SYSTEMS

HIGH- PRECISION SURVEYING WITH VEGETATION PENETRATION

- + **Rapid Overhead Capture:** Lidar sensors mounted on sUAS collect dense data rapidly—ideal for large or forested sites.
- + **Vegetation Penetration:** Unlike photogrammetry, lidar can penetrate through light to medium canopy.
- **High Equipment Cost:** Startup costs range from \$20,000 to \$200,000+, plus training and data processing overhead.



MOBILE MAPPING SYSTEMS

HIGH-SPEED, HIGH-RESOLUTION SURVEYING FROM GROUND OR WATER PLATFORMS

- + **Rapid Coverage:** Collects millions of lidar points per second while traveling at road speeds.
- + **Multiple Platforms:** Can be mounted to on-road, off-road, rail, and marine vehicles
- + **Integrated Sensors:** Combines lidar, SLAM, cameras, GNSS, IMU, and DMI for comprehensive datasets.
- **Very High Initial Cost:** Top-tier mobile mapping systems can exceed \$1 million over 5 years.





MODERN MAPPING VS. TRADITIONAL SURVEYING

A COST, SAFETY, AND PRECISION COMPARISON



Faster Data Collection

Modern aerial and mobile systems can reduce field time by over 70% on large projects.



Enhanced Safety

Less time on roadways or unstable terrain reduces risk for survey crews.



Higher Data Richness

Lidar and photogrammetry deliver denser, more detailed datasets for CAD and BIM integration.



LIMITATIONS & COST CONSIDERATIONS

BALANCING ACCURACY, SCALE, AND AFFORDABILITY



High Equipment Costs

Top-tier lidar setups and computing systems can cost over \$1M across five years.



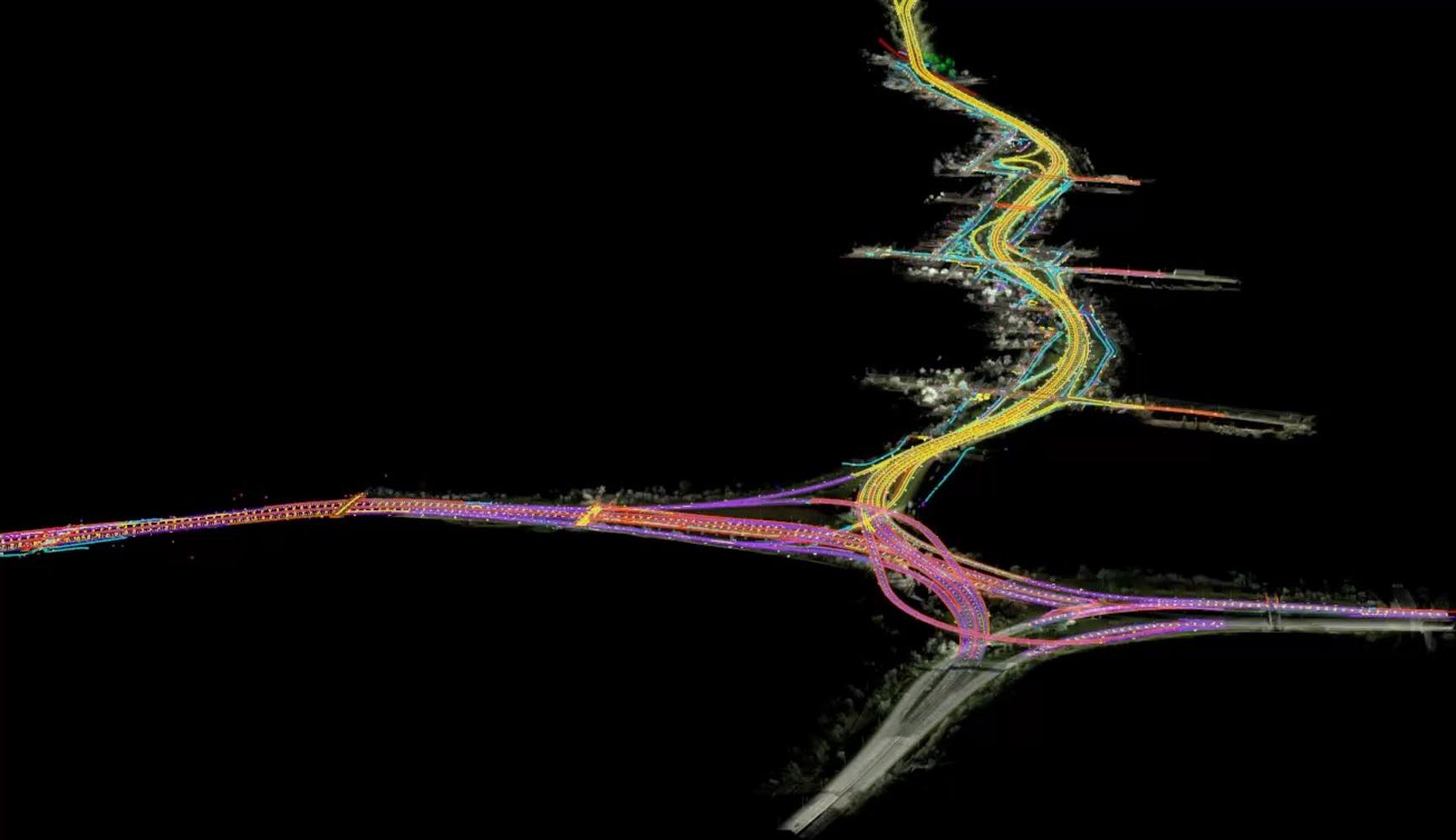
Data Complexity

Large datasets require high processing power and skilled operators to extract usable outputs.



Scalability Trade-offs

For small sites, mobilization costs may outweigh efficiency benefits.





CONTACT INFO:

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Meeting Close

- Split Kitty Drawing
- PDHs available from the Omaha Post Website
 - ▶ <https://www.same.org/omaha/resources/>