
User Conference
2026 SAN DIEGO

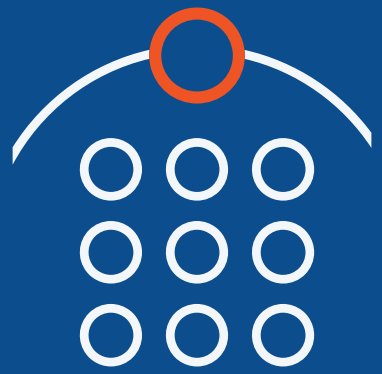
SPEAKER

Precision at Scale

The Next Wave in Spatially Intelligent Infrastructure

SPEAKER

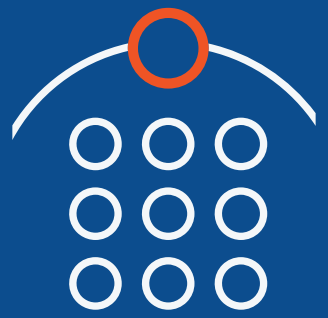
Dominique Meyer, Ph.D.



Tuesday

Wednesday

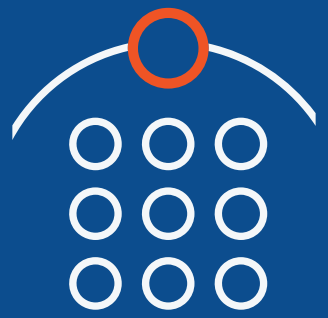
Thursday



Tuesday

Wednesday

Thursday



Tuesday

Wednesday

Thursday

Capture San Diego

Qr code to events page https://looq.ai/uc26-evenings/

INFO

looq.ai/user-conference

Tuesday, 5PM–7PM

Scripps Seaside Forum Patio

Wednesday, 6PM–8PM

Duke’s La Jolla

Thursday, 6PM–9PM

Monarch Ocean Pub

SECONDS TOGETHER

0

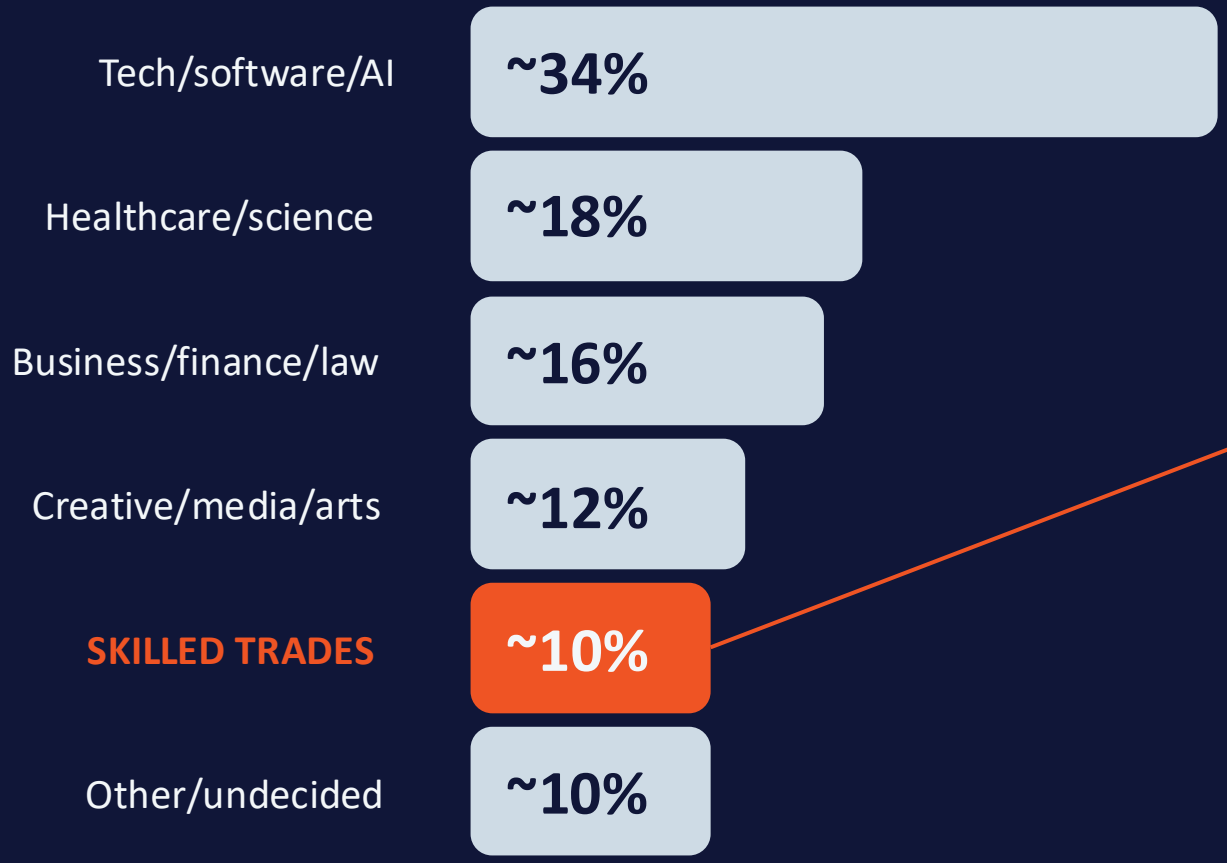
What happens in one second?

One more time

(0.1 speed)


0.000

Declining labor intentions



SKILLED TRADES

~10%

Electrical, plumbing, linework, etc.

Source basis: ACTE (2023), ManpowerGroup Talent Shortage Survey, NAHB Workforce Survey, U.S. Census Bureau ACS vocational enrollment data.

2026–TODAY

10.8M

Core sector workers

2034–THE CLIFF

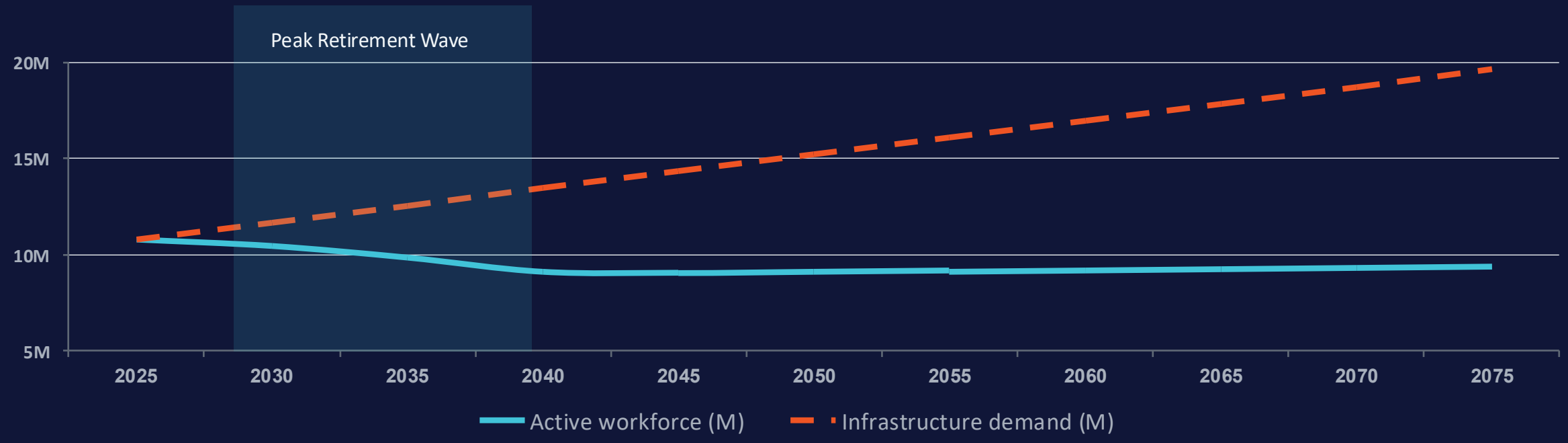
610K

Annual departure

2075–THE GAP

9.83M

Total worker shortfall



Labor gap costs have exponential impact

1. Material Inflation
2. Physical Asset Degradation
3. Compounding emergency likelihood

TODAY COST

$ 1M

On-schedule replacement

2035 EXPECTED COST

$ 8.28M

6.2x + P(emergency) 85%

2045 EXPECTED COST

$ 24.12M

13.4x + P(emergency) 85%

2075 EXPECTED COST

$ 364.3M

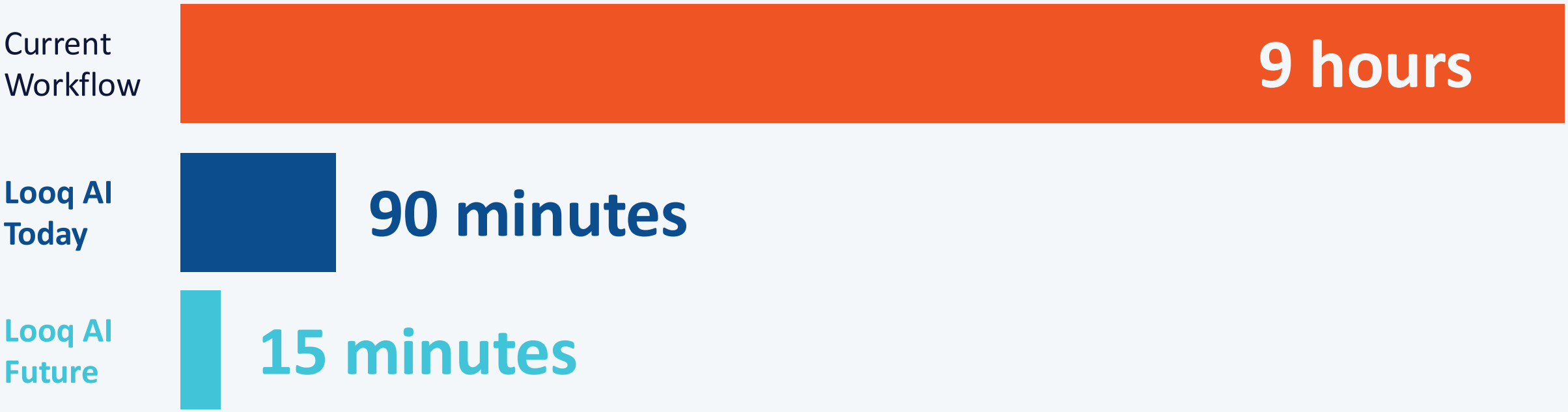
83.1x + P(emergency) 85%

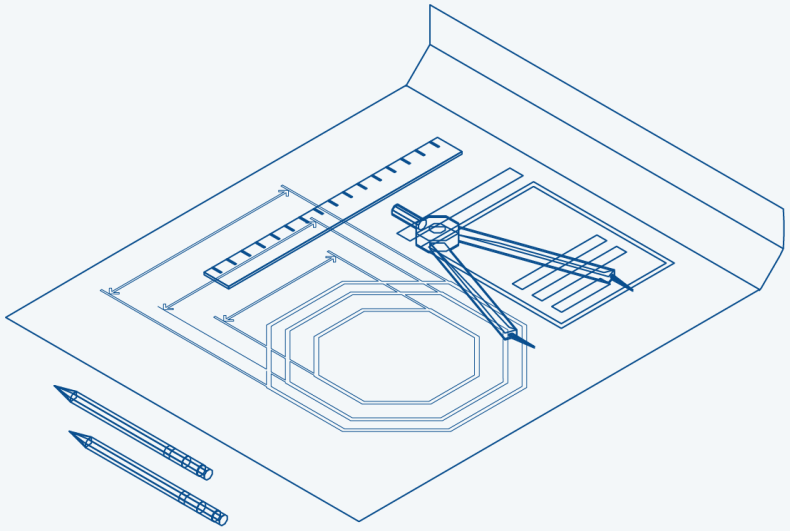
2,780,000

worker-years

Annual Gap in 2035, in the U.S. for Infrastructure

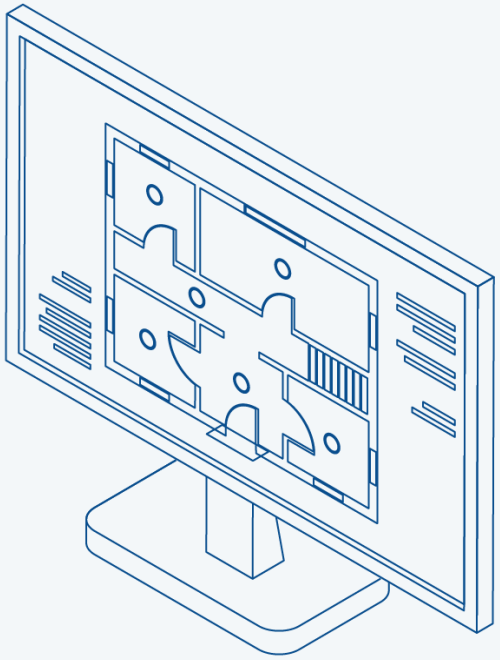
We can’t make more workers.
We can give them back their time.





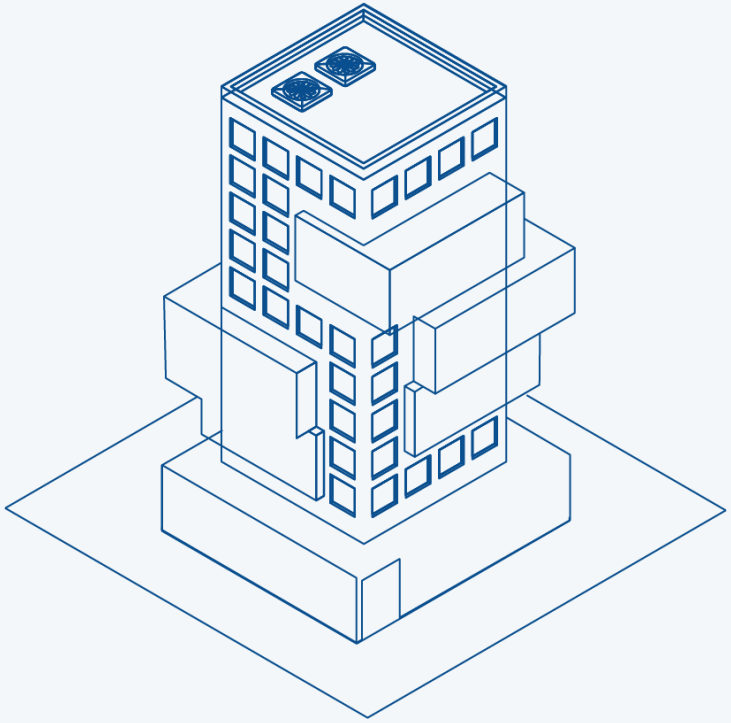
1980s

Paper



1980s

2D CAD

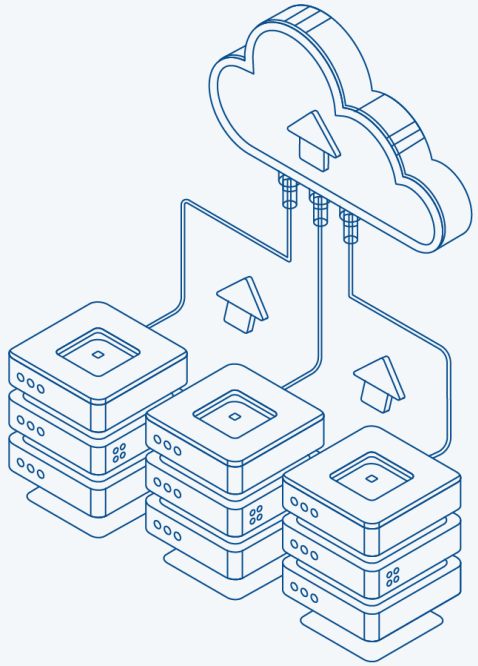


1990s

3D Modeling
Modeling

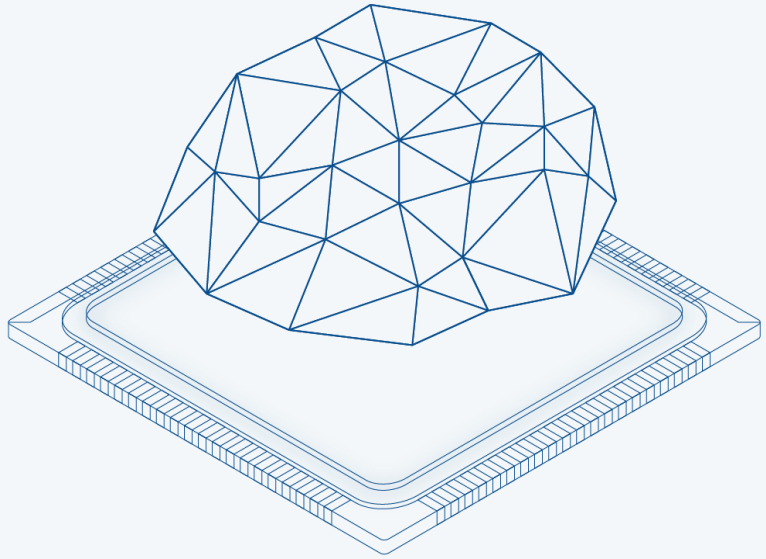
1993

Web



2006

Cloud

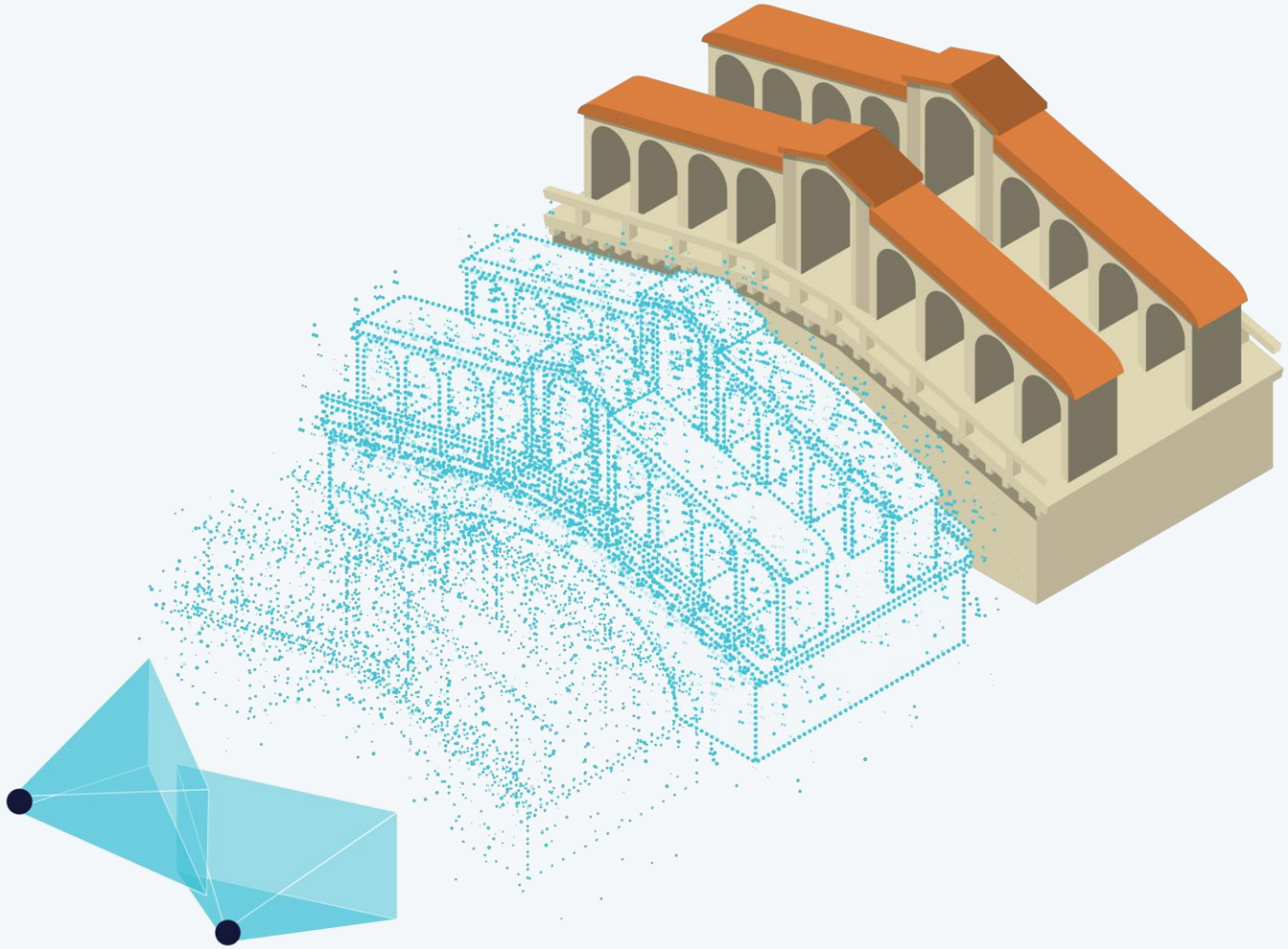


2017

AI (LLM)

What **Photogrammetry** holds

Feature-rich image data provides the anchors that keep reconstruction stable




LHCb
ATLAS
CERN Meyrin
PS 628 m
CERN Prévessin
SPS 7 km
SUISSE
FRANCE
CMS
ALICE
LHC 27 km

Reasoning is next.
Most people haven't seen it yet.

THE DEFINITION

geo·phys·i·cal rea·son·ing

/ˌjē-ō-ˈfi-zi-kəl ˈrē-zə-niŋ/ noun

the ability of a system to perceive, interpret, and draw conclusions from the physical world using spatial data, computer vision, and AI — the way a trained expert would, at unlimited scale and speed.

THE TAKEAWAY

What we are building is the intelligence layer the industry is always been missing


Email
Meetings
GIS
Component Catalogue
Web information
Asset Management

Public

Safety

Affordability

Acces

Home-owners

Maintenance

Rennovations

Utilities

Reduced outages

OpX/CapX optimization

Predictive maintenance

Contractors

Historical information

Material recommendation

Suppliers

Targeted sales

Installation feedback

Warranty conditions

Predictive demand

Municipalities

Public safety

Code compliance

Targeted subsidies

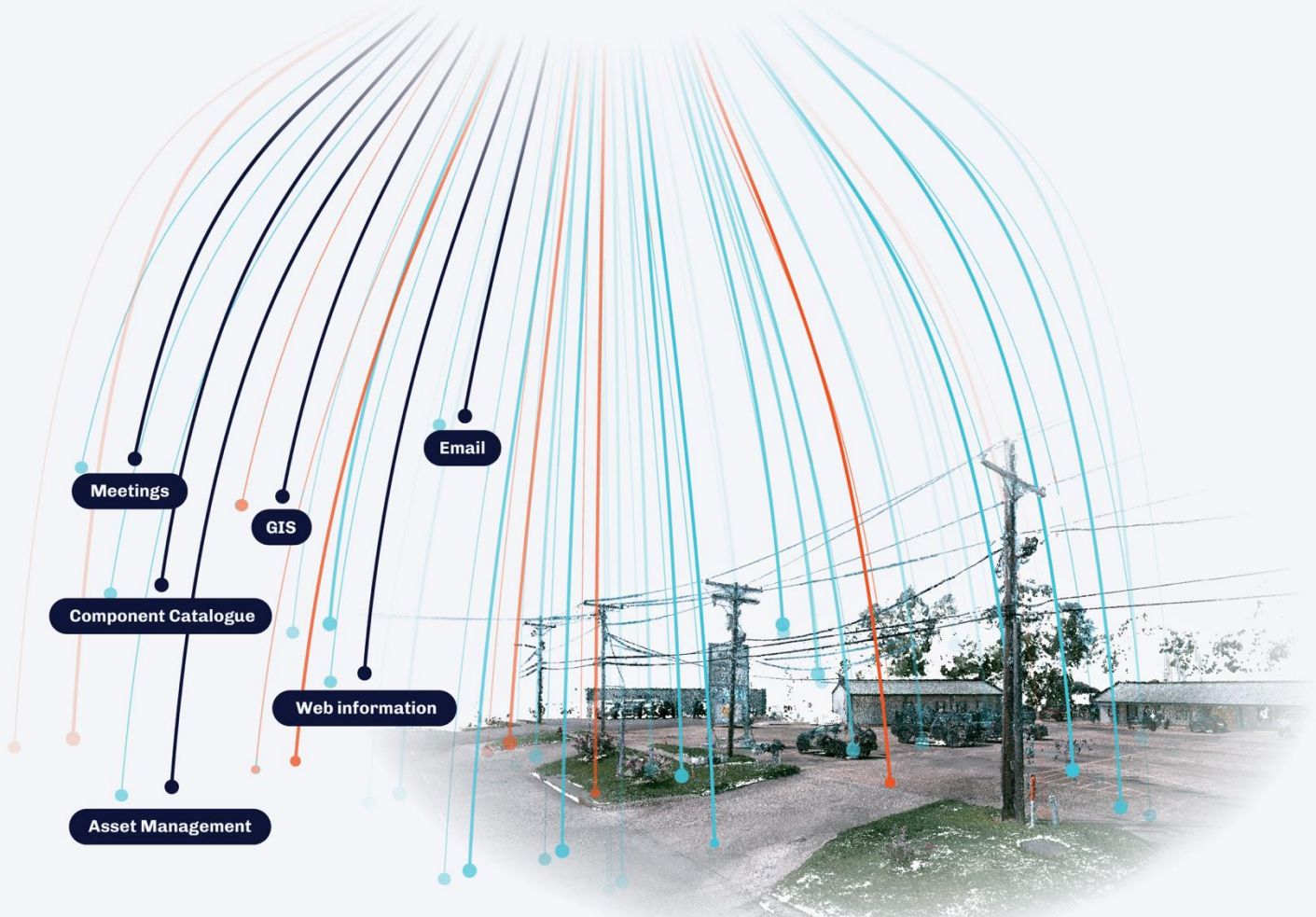
Insurances

Risk accuracy

Reduced premiums

Incentive programs

looq



Public
- Safety
- Affordability
- Acces

Home-owners
- Maintenance
- Rennovations

Utilities
- Reduced outages
- OpX/CapX optimization
- Predictive maintenance

Contractors
- Historical information
- Material recommendation

Suppliers
- Targeted sales
- Installation feedback
- Warranty conditions
- Predictive demand

Municipalities
- Public safety
- Code compliance
- Targeted subsidies

Insurances
- Risk accuracy
- Reduced premiums
- Incentive programs

What’s next?