Welcome

Nexus of Engineering & Technology
Dickerson Wright, Chairman & CEO

Buildings & Technology
Ben Heraud, CEO – Buildings & Technology

Geospatial
Dan Levine, President – Geospatial

Infrastructure
Alex Hockman, CEO - Infrastructure

Geospatial Technology Demonstrations
(Live Audience Only)

Dan Levine, President – Geospatial

Jon Witmann – VP, Data Acquisition

Safe Harbor – Disclaimer

This presentation contains forward-looking statements about the Company's future business and financial performance. These are based on current expectations and are subject to risk and uncertainties. In this presentation, non-GAAP financials measures are discussed. Non-GAAP financial measures included in this presentation is Adjusted EBITDA Margin. All statements other than statements of historical fact contained in this presentation - including statements regarding our future goals, targets, net revenue goals, EBITDA margins objectives, targeted growth sectors, organic growth objectives, and profit margins - are forward-looking statements. Forward-looking statements are based on current expectations of future events. We cannot guarantee that any forward-looking statement will be accurate, although we believe that we have been reasonable in our expectations and assumptions. Investors should realize that if underlying assumptions prove inaccurate or that known or unknown risks or uncertainties materialize, actual results could vary materially from the Company's expectations and projections. Investors are therefore cautioned not to place undue reliance on any forward-looking statements. All forward-looking statements are based on information available to the Company on the date hereof, and the Company assumes no obligation to update such statements, expect as required by law.
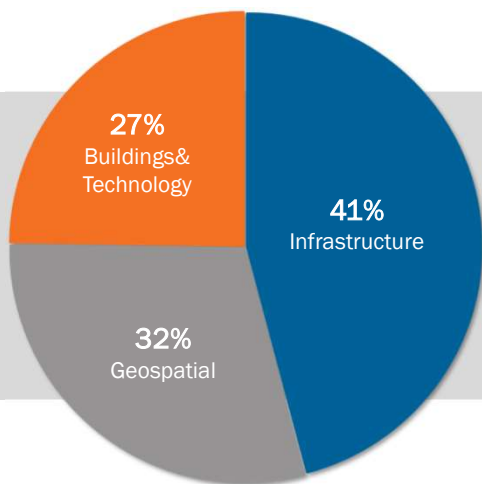
27%
Buildings & Technology

41%
Infrastructure

32%
Geospatial

$1B Gross Revenue Goal End of 2024

(Figures are only a representation of goals and should not be considered guidance by NV5)

16–18%
Adjusted EBITDA
Margin Objective
(on gross revenues)

6–10%
Organic Growth Objective

$1.7B
Market Cap

16.2M
Average Shares
Outstanding

TECHNICAL & LICENSED PROFESSIONAL STAFF

5,000
FTEs

25 - 43 Yrs
Average Employee Age

8 - 10 Yrs
Employee Tenure

Certified Specialists in All Disciplines

Licensed Engineers
- Civil
- Mechanical
- Electrical
- Geotechnical
- Structural
- Environmental

Architects

Licensed Surveyors

Geologists

Audiovisual/Technology Designers

Energy Efficiency & Sustainability Experts

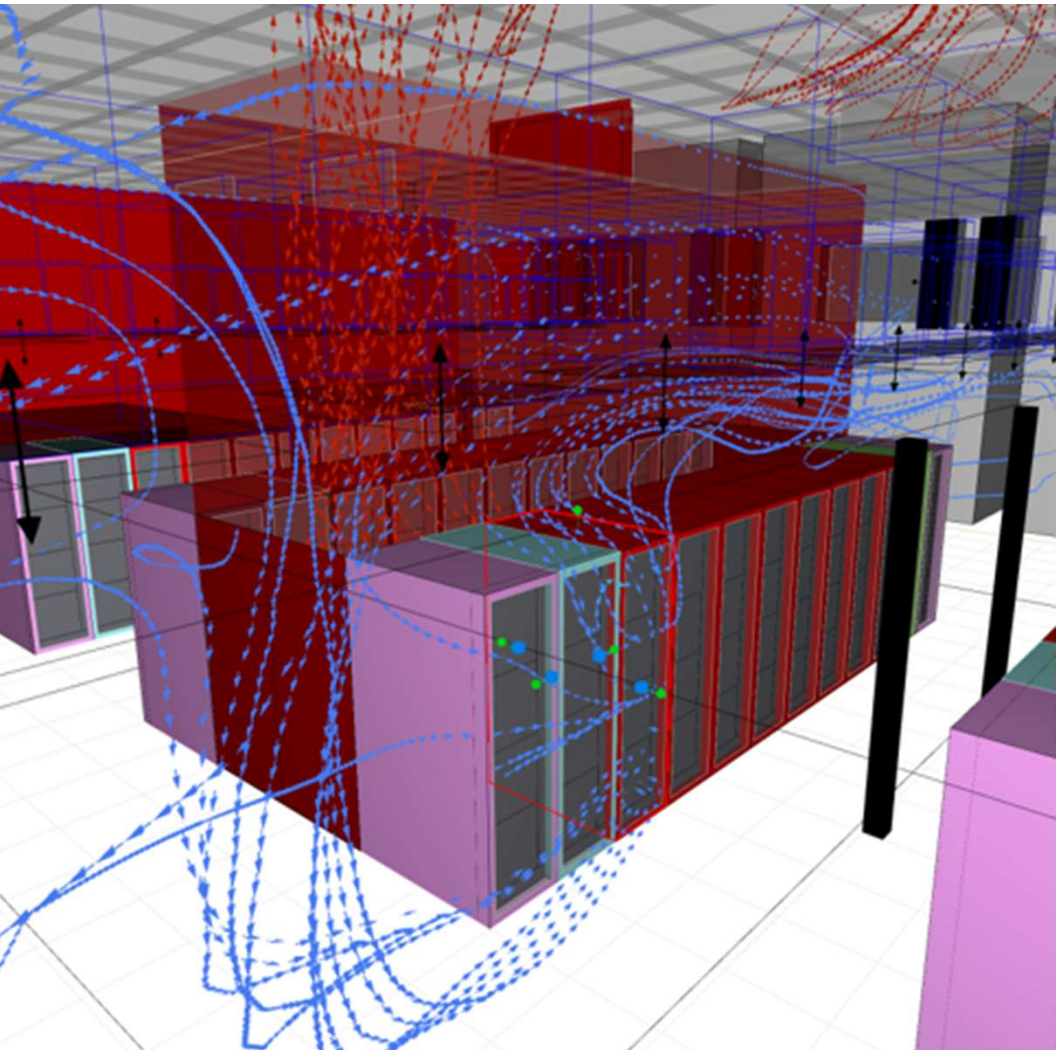**Geospatial Data Analysts**

Environmental Scientists

BUILDINGS & TECHNOLOGY

Ben Heraud
CEO, Buildings & Technology

Buildings & Technology

- 34% Building Systems Engineering
- 31% Environmental
- 16% Data Centers
- 19% Clean Energy
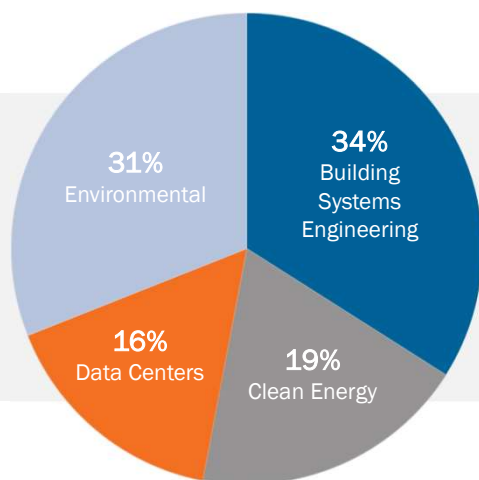
$270 Million
Gross Revenue Goal End of 2024

(Figures are only a representation of goals and should not be considered guidance by NV5)

Targeted Growth Sectors

- **Data Centers**
- **Clean Energy/Decarbonization**
- **Building Digitization**

15%
Adjusted EBITDA Margin Objective
(on gross revenues)

12%
Organic Growth Objective

TECHNICAL & LICENSED PROFESSIONAL STAFF

1,600 Employees

25-45 Yrs.
Average Employee Age

8-10 Yrs.
Employee Tenure

Licensed Engineers
- Mechanical
- Electrical
- Structural
- Environmental

BIM Specialists

Energy Experts

Environmental Scientists

Industrial Hygienists

Technology Designers

NV|5

Clean Energy & Decarbonization

Driver for More Traditional Services

Significant Government & Private Sector Investment

High Growth − 21% Q1'24 Organic Growth

High Margin − EBITDA over 20%

Building Digitization

Engages Multiple NV5 Service Lines

Subscription-Based Revenue

Services the Entire Asset Lifecycle

Improves Efficiency of Traditional Services

Highly-Scalable

High-Margin

Barriers to Entry

GROWTH IN DATA CENTRES

Locations
- NV5 Office
- Office in Planning
- NV5 Projects

400 MIL
2029 Target

40 MIL
Current Volume

50%
CAGR 2021-2024 (with M&A)

31%
CAGR 2021-2024 (Organic)

260+ BIL
Addressable Market Size (2029)

20%+
Profit Margin

NV5

LOCATIONS (DATA CENTRE SERVICES)

600+

Staff

Locations
- NV5 Office
- Office in Planning
- NV5 Projects

US
Irvine, CA
Phoenix, AZ
Las Vegas, NV
Reno, NV
Washington DC
Austin, TX
Dallas, TX
Chicago, IL
New York, NY
Cary, NC
Cleveland, OH

HONG KONG

CHINA
Shanghai
Beijing
Shenzhen
Macau

INDIA
Mumbai
Bangalore
Pune
Chennai
Hyderabad

INDONESIA
Jakarta
Batam

SINGAPORE

JAPAN
Tokyo
Osaka

UAE
Dubai

SAUDI ARABIA
Riyadh

MALAYSIA
Kuala Lumpur
Johor Bahru

PHILIPINES
Manila

Transformation to AI Computing Data Centers

Investment

Driven by Tech Companies & Hyperscaler Data Centers

Many of the Same Clients NV5 Serves Internationally

Estimates up to $1 Trillion

Amazon Announced $100B Investment

Engineering Challenges to AI Expansion

2X - 8X Higher Requirements for Electricity, Cooling, and Airflow

NV5 Cooling & Airflow Solutions

- 15+ Years Working in Hyperscale Cooling & Airflow Design
- Coordination with AI Manufacturers
- Leaders in Direct to Chip Simulation of 300kW Per Rack
- Computational Fluid Dynamics (CFD) for Performance Optimization

NV5 Electrical Distribution Solutions

- Currently Working on Substation Expansions for AI Data Centers
- Electrical Distribution Design & Consulting Solutions
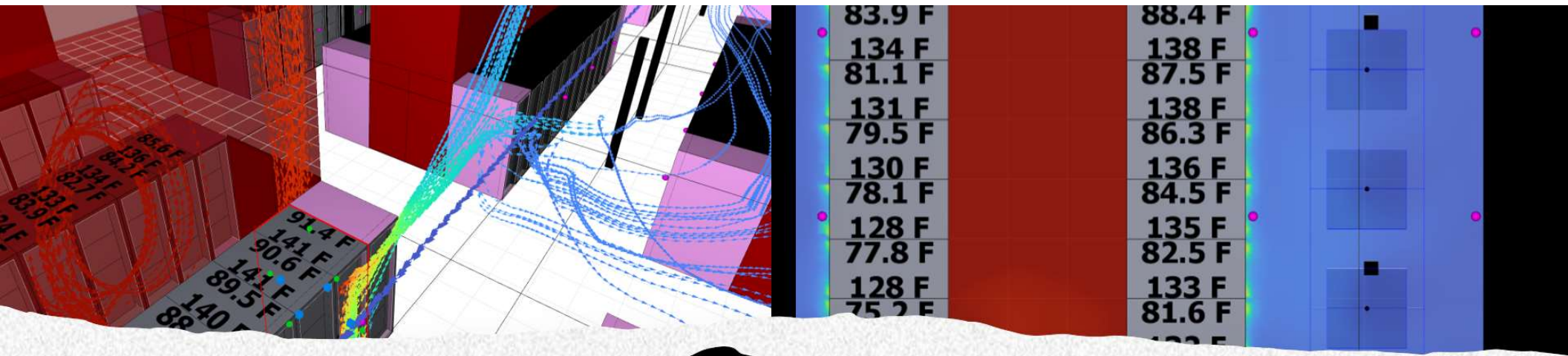
AI Data Center Stranded Capacity Optimization Through CFD

- CFD has enabled us to assist customers add as much as **400%** more capacity than they had previously installed due to being able to model a data center scenario closer to industry limits (which are also constantly changing)

- Utilizing CFD enables us to demonstrate not just additional capacity, but additional redundancy to the clients.

- Improved Sustainability by significantly better using available power

- NV5 is a leader in modeling the AI environment in temperature, airflow, controls and architecture

- Modeling controls and failure scenarios

NV5 and Cadence

Partnering for high-performing, sustainable data centers

Sherman Ikemoto, Group Director

July 24, 2024

cādence®

The Rise of Zombie Data Centers

105
Gigawatts

"There are 7 million data centers globally with *105 gigawatts of built capacity*.

>30
Gigawatts

"*Over 30 gigawatts* … *remains unused.* This is not economically or ecologically sustainable."

- Cato Digital, 2022

~$1 trillion
The global total cost of unused capacity*

*Based on industry estimated capacity cost rates from the Chamber of Commerce – Technology Engagement and CBRE Research

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The Perfect Storm

Rapid change in IT technologies
12 X rack density increase in AI factories, liquid cooling, direct-to-chip cooling, HPC and other high-density IT technologies

1-5 Million Gallons of Water/Day
Used by the average Google data center – same as a town of 50,000 people

European Energy Efficiency Directive
From May 2024 requires reporting on data center's energy performance

California's New Emissions Disclosure Law
Measure and report their emissions using standardized methods and tools

Virginia Legislation
12 new filings in 2024 to limit where and how data centers are built and operated

Data Center Moratoriums
Singapore, Netherlands and Ireland all impose restrictions and bans on new builds due to lack of resources

50% of New Builds Pre-Leased
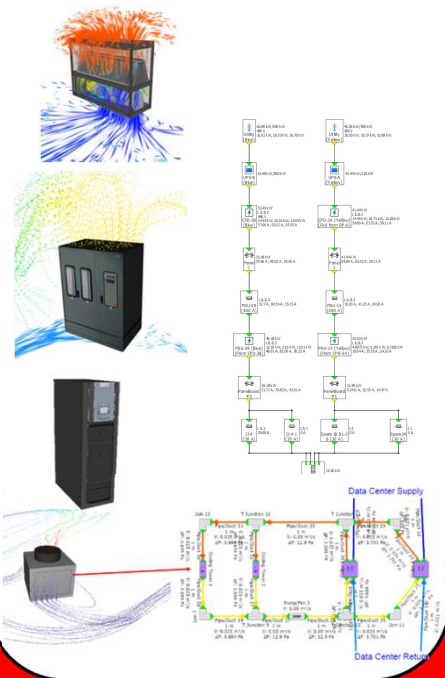Intense competition for new space means almost half are pre-leased before completion

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Data Center Management Maturity Model

Data center management maturity model

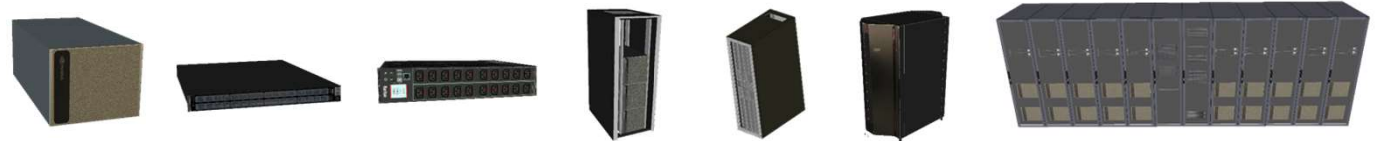| LEVEL	DESCRIPTION	OPERATING EFFICIENCY	SOFTWARE
Level 5: Self-optimizing, autonomic	AI-driven integrated management software adjusts data center behavior and makes best use of resources according to goals, rules and service requirements throughout its lifecycle.	HIGH	AI-driven, integrated DCIM with automation
Level 4: Optimizing	Physical and virtual IT and data center subsystems integrated; models used for prediction, service management and multiple views, optimizing in near real time. AI is applied to DCIM-based data lakes for advanced analytics.	MEDIUM	AI-driven, integrated DCIM
Level 3: Proactive	Physical data center equipment characteristics, location and operational status is tracked. Energy and environmental data is used to reduce risks and waste.	MEDIUM	Integrated DCIM
Level 2: Reactive	Software installed to monitor environmentals and equipment power use. Able to adjust basic controls (e.g., cooling) to demand.	LOW	DCIM monitoring
Level 1: Basic	No integration of infrastructure data. Basic monitoring supplied with equipment. Relies on BMS data. Simple alarming, error messaging.	LOW	Ad hoc

uptime®
INSTITUTE

Data Center Design and Lifecycle Management

Infrastructure ecosystem

IT ecosystem

Facility design

Lifecycle management

Cadence Reality DC
Digital Twin
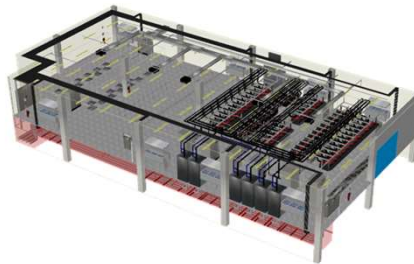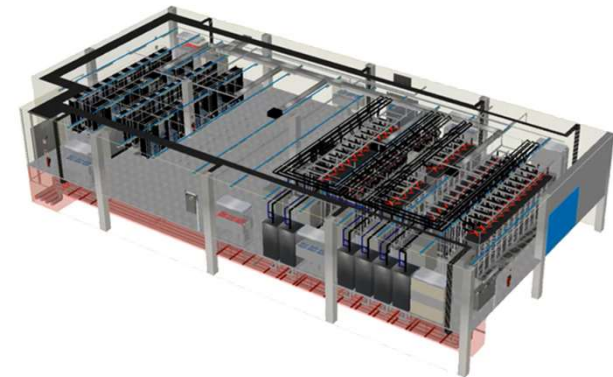
N|V|5
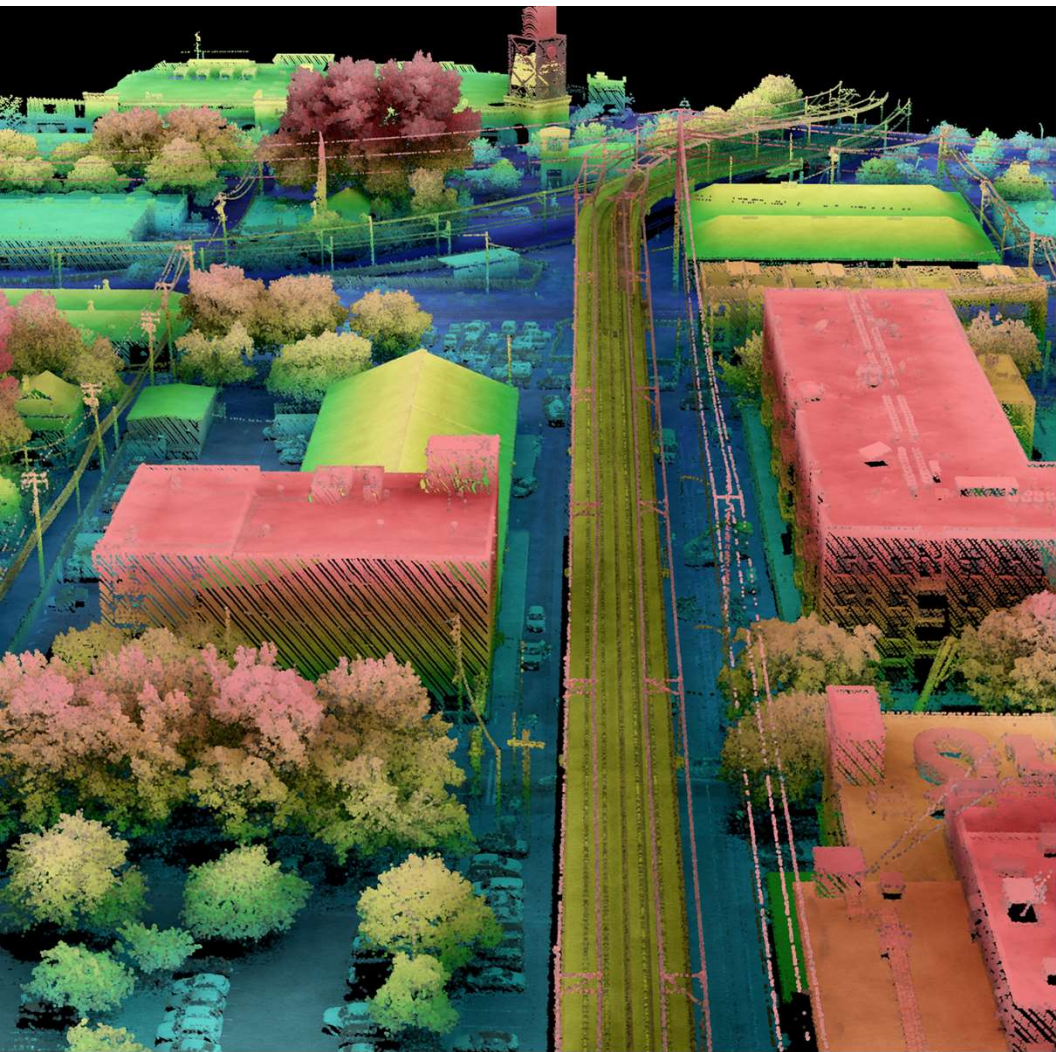
GEOSPATIAL

Dan Levine
President, Geospatial

Geospatial

- 21% Utilities
- 22% Government State & Local
- 57% Government Federal Civil & Defense
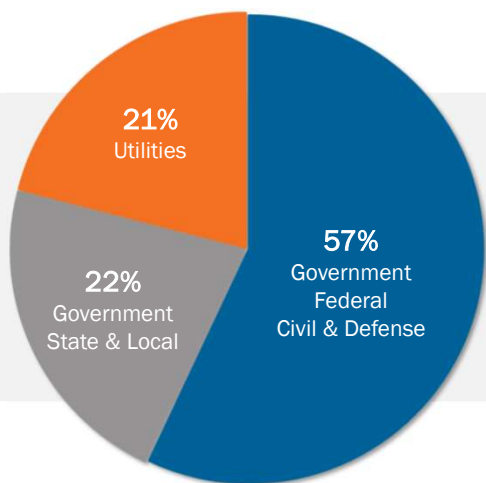
$320 Million
Gross Revenue Goal End of 2024

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Targeted Growth Sectors

- **Utility & DOT Asset Management**
- **Water Resources**
- **Subscription-Based Software**

26%
Adjusted EBITDA Margin Objective
(on gross revenues)

16%
Organic Growth Objective

TECHNICAL & LICENSED PROFESSIONAL STAFF

1,300 Employees

25-39 Yrs.
Average Employee Age

7-10 Yrs.
Employee Tenure

Licensed Surveyors

Systems/Software Engineers

IT Specialists

Data Scientists

GIS Professionals

Remote Sensing Professionals

Project Managers
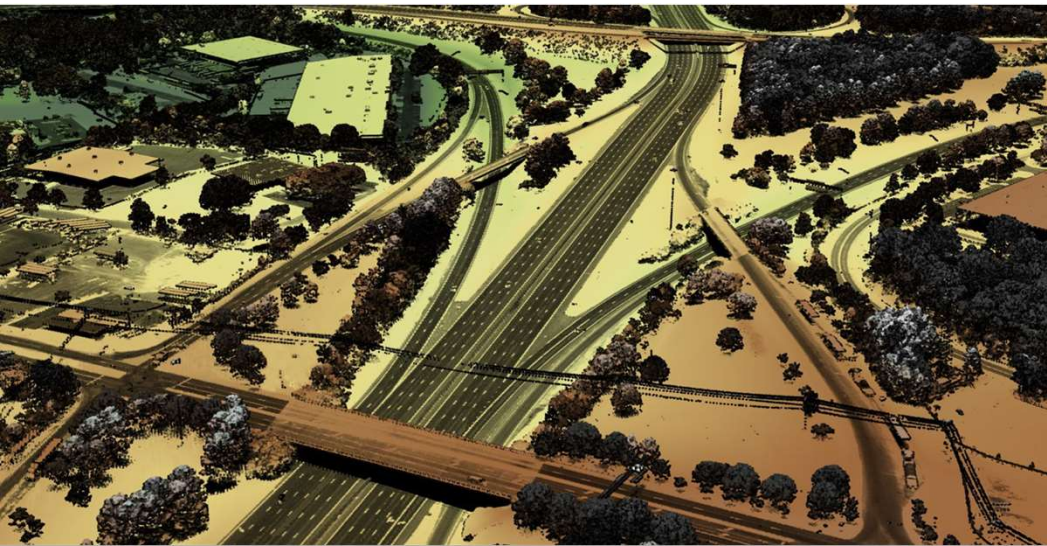
Pilots
- Aircraft
- Drone
- Vessel

NV5

Geospatial

A Technology Driven Business

We BUILD geospatial technology to enable our customers to solve challenges with global population growth and limited resources

- Commercial software with an international user footprint

- Custom solutions to enable our customers to solve problems

We USE geospatial technology including

- Platforms and sensors

- Targeted algorithms

- Tradecraft and proprietary workflows

Geospatial Is a Differentiator in Infrastructure Engineering & Building Technologies

Differentiators

Complete Solutions

Scalability

Proprietary

Innovation

Mandated Services

Infrastructure Asset & Risk Mgmt.

Water & Natural Resources

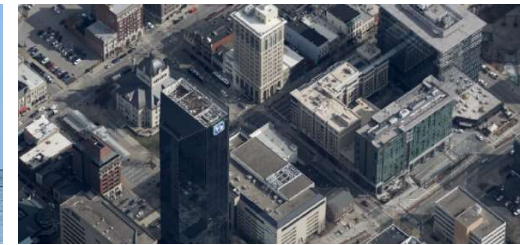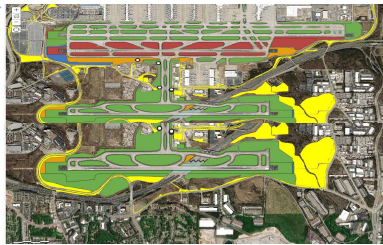Maritime Infrastructure

Defense & Intelligence

Sample Segments
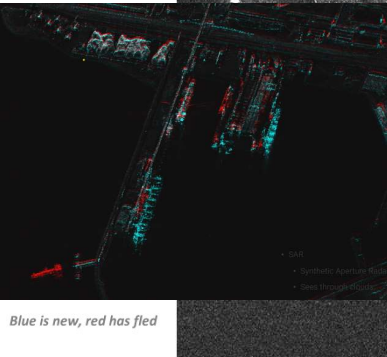
Infrastructure

Resilience

Maritime

Government

Artificial Intelligence In Action

Commercial Software

SAR Essentials - New Product Release!

- AI Change Detection
- AI Object Detection
- AI Velocity Measurement

Automated feature detection

Blue is new, red has fled

Velocity estimation annotation (yellow) at a rail yard. White lines are the moving trains.

Enterprise GIS

Cloud migration and managed services

System design and implementation

Increase customer stickiness

Large language models to derive products
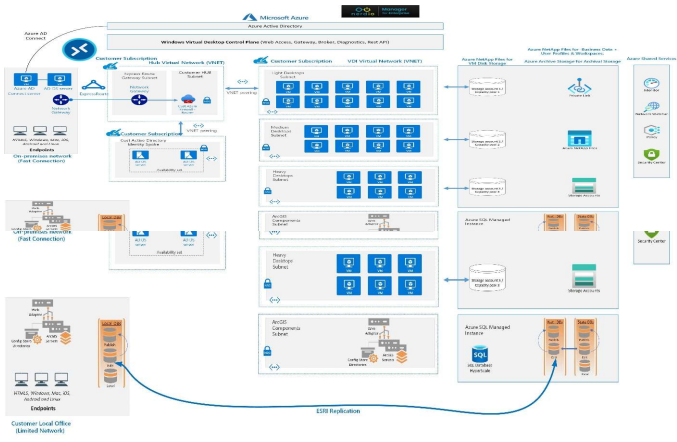
The Solution

ENVI Ecosystem

Imagery Excellence for All.

The Products

Create. Develop. Analyze.

Use **ENVI®** to extract timely, reliable, and accurate information from geospatial data.
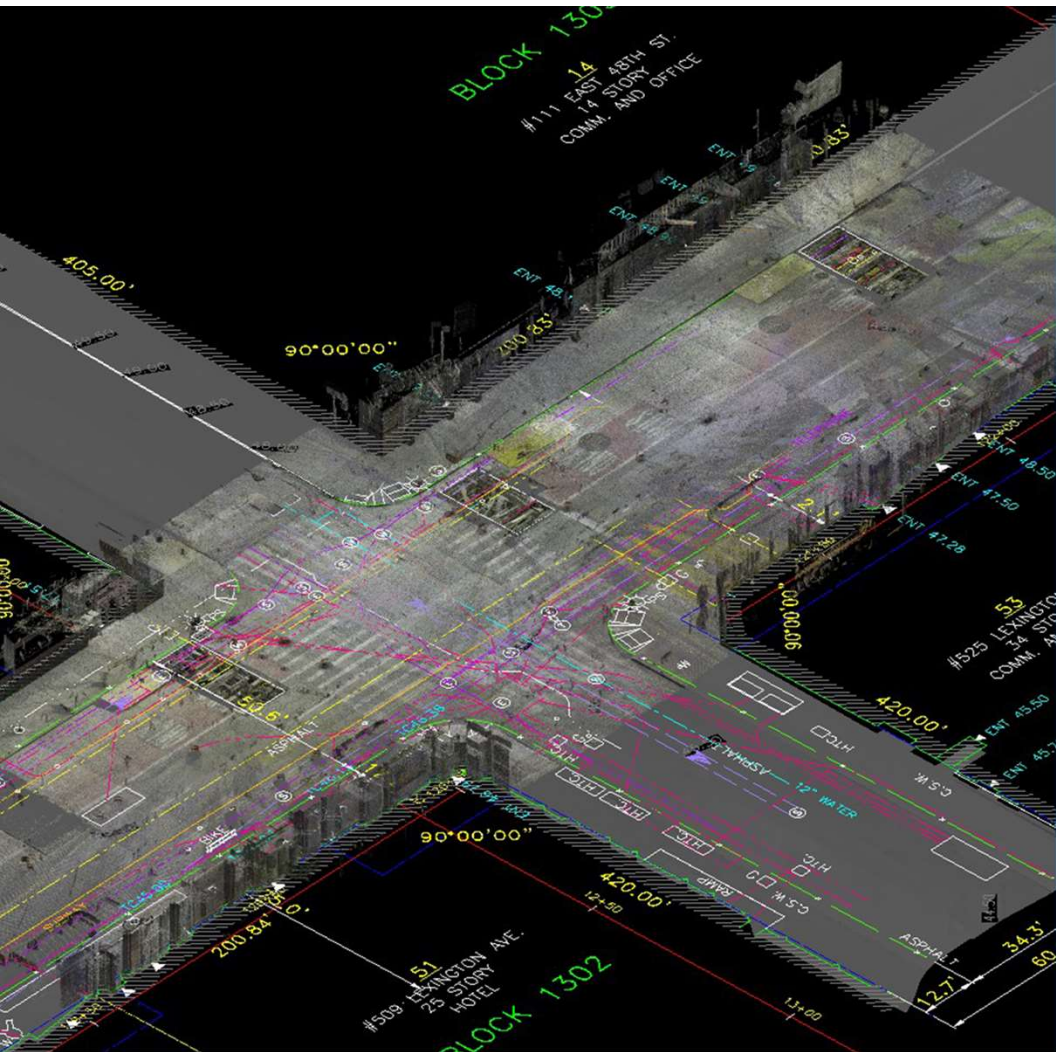
View. Collaborate. Solve.

ENVI® Connect is a web application that enables users to easily work together and solve geospatial problems.

Monitor. Answer. Scale

Harness the power of persistent monitoring with **ENVI® Inform** to enhance critical decision making.
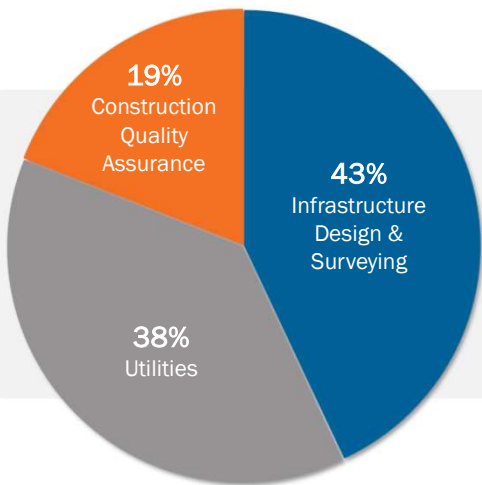
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INFRASTRUCTURE

The intersection (Nexus) between all NV5 services

Alex Hockman
CEO, Infrastructure

Infrastructure

- 19% Construction Quality Assurance
- 43% Infrastructure Design & Surveying
- 38% Utilities

$410 Million
Gross Revenue Goal End of 2024

(Figures are only a representation of goals and should not be considered guidance by NV5)

Targeted Growth Sectors

- **Sustainable Infrastructure**
- **Departments of Transportation**
- **Utility Transmission & Distribution**

15%
Adjusted EBITDA Margin Objective
(on gross revenues)

10%
Organic Growth Objective

TECHNICAL & LICENSED PROFESSIONAL STAFF

2,100 Employees

25-45 Yrs.
Average Employee Age

8-10 Yrs.
Employee Tenure

Licensed Engineers
- Civil
- Mechanical
- Electrical
- Geotechnical
- Structural
- Environmental

Traffic Engineers

Water/Coastal Engineers

Licensed Surveyors
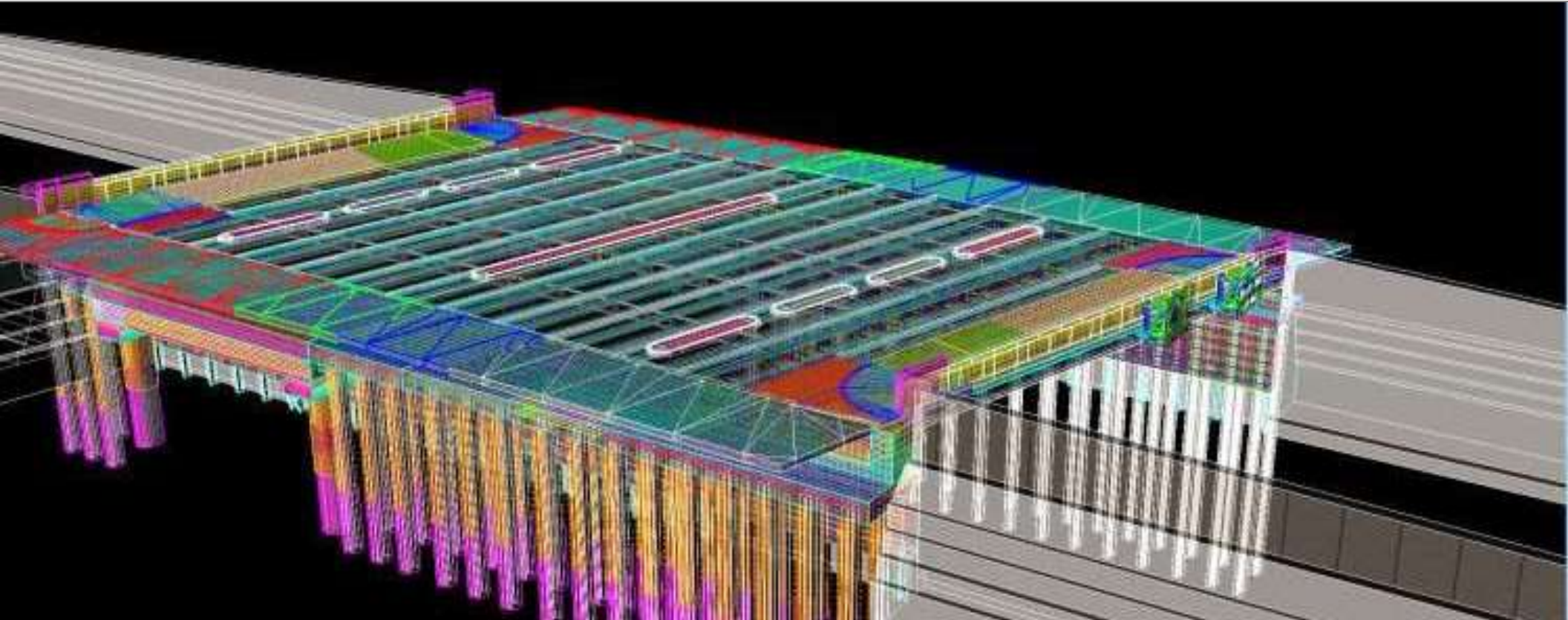
Certified Professional Planners

Certified Building Officials

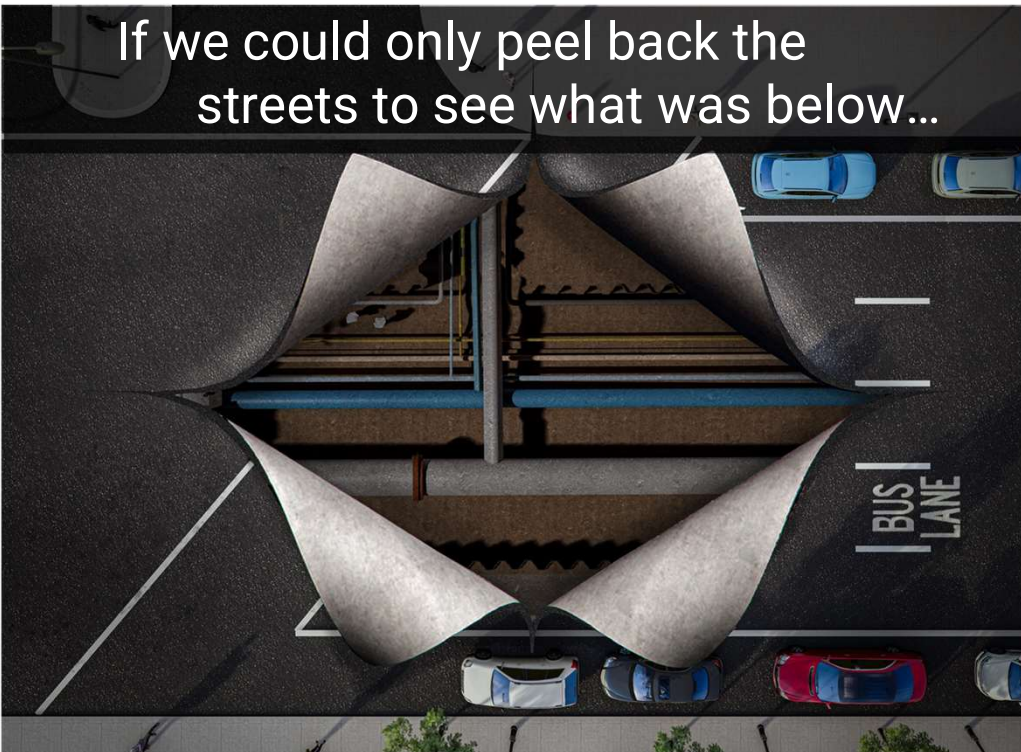**Landscape Architects**

Geologists

Technology in Infrastructure

Technology in Infrastructure

If we could only peel back the streets to see what was below…

We can!

Technology in Infrastructure – Superstorm Sandy

FLOODING CONDITIONS

PROPOSED CONDITIONS

FLOOD WATER CONTAINED WITHIN THIS ZONE

RAISED SIDEWALK
EXTENSION OF GREENWAY BIKE PATH
NEW FLOOD WALL PROTECTION

NEW RAMP CONNECTS GREENWAY FROM CLINTON WHARF TO FERRIS STREET

DELIVERING
SOLUTIONS FOR
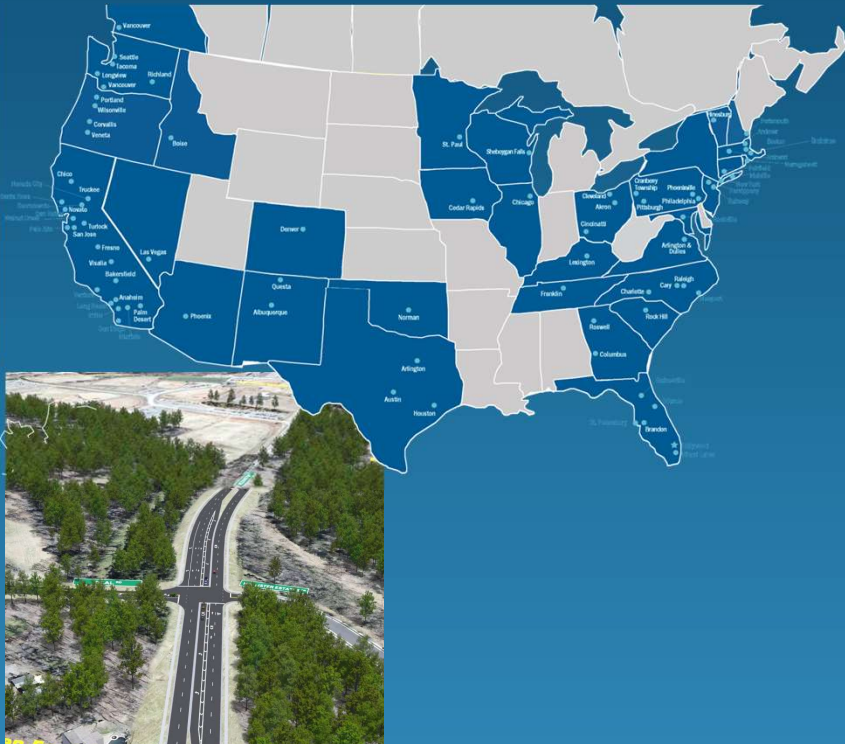MODERN
INFRASTRUCTURE
CHALLENGES

ORGANIC GROWTH TRANSPORTATION

Serving DOT's across the US
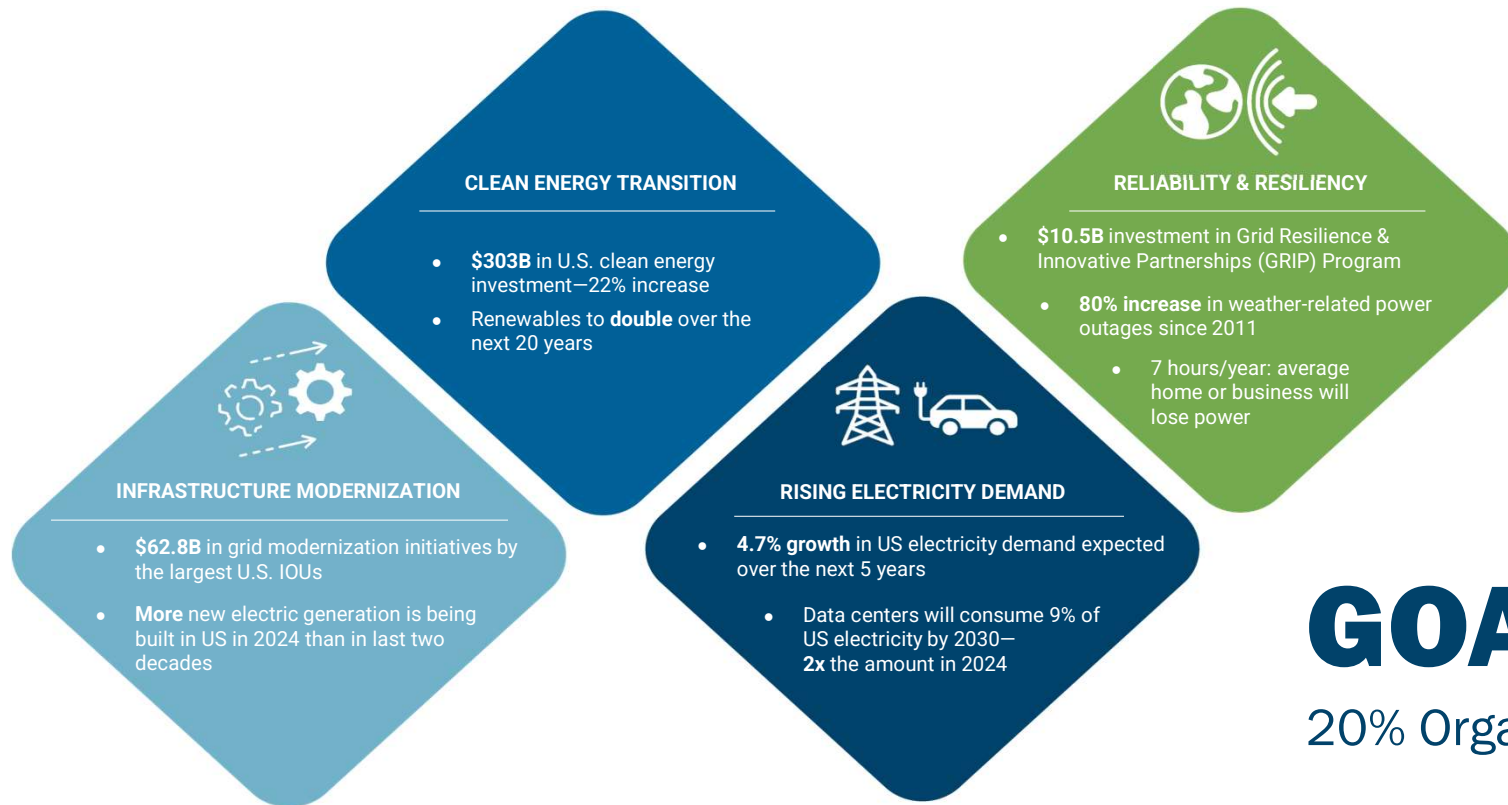
1 Organic Growth Opportunity for DOT of 25%

2 Work for all NY Metro State & City DOT's

3 Plus DOT's in Idaho, New Mexico, Oregon, Georgia, Pennsylvania, Connecticut

4 Resiliency & Sustainability inform all projects

- Founding Institute for Sustainable Infrastructure member
- Developed ENVISION rating system with Zofnass at Harvard

GOAL

20% Organic Growth

30
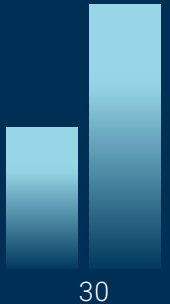
Utility Services Market Growth Drivers

CLEAN ENERGY TRANSITION

- **$303B** in U.S. clean energy investment—22% increase
- Renewables to **double** over the next 20 years

RELIABILITY & RESILIENCY

- **$10.5B** investment in Grid Resilience & Innovative Partnerships (GRIP) Program
- **80% increase** in weather-related power outages since 2011
  - 7 hours/year: average home or business will lose power

INFRASTRUCTURE MODERNIZATION

- **$62.8B** in grid modernization initiatives by the largest U.S. IOUs
- **More** new electric generation is being built in US in 2024 than in last two decades

RISING ELECTRICITY DEMAND

- **4.7% growth** in US electricity demand expected over the next 5 years
  - Data centers will consume 9% of US electricity by 2030— **2x** the amount in 2024

GOAL
20% Organic Growth

Undergrounding Powerlines: Leveraging Technology to Improve Electrical Delivery Reliability

700 MILES

4 YEARS

↑ **EFFICIENCY & COST SAVINGS**

52% SAVINGS

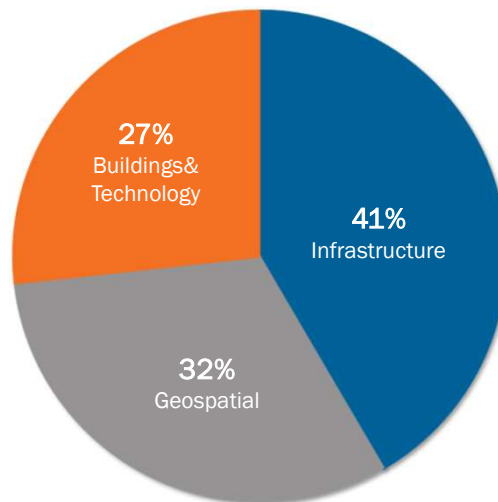| AVERAGE COSTS	
2019:	$5M/mile
CURRENT:	$2.4M/mile
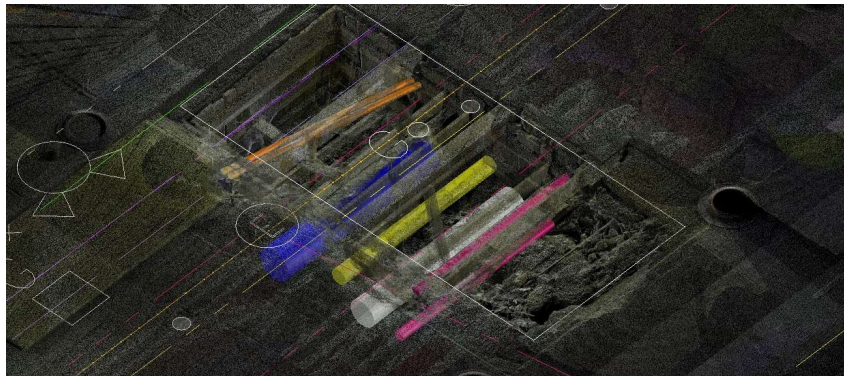
GROWTH

Lisa Kay
Chief Growth Officer

ORGANIC GROWTH GOAL
10%

$1B Gross Revenue Goal End of 2024

(Figures are only a representation of goals and should not be considered guidance by NV5)

27% Buildings& Technology

41% Infrastructure

32% Geospatial

GROWTH INITIATIVES

NATIONAL
TRANSPORTATION
WATER
AVIATION
ENERGY
DATA CENTERS

REGIONAL FOCUSED
PACIFIC NORTHWEST
SOUTHERN CA
FLORIDA

Visibility and Branding Across Verticals and Geographies

Expanding Large Client Relationships

Large Contract Positioning

NV5

N|V|5 2024 Investor Day

THE NEXUS OF ENGINEERING & TECHNOLOGY