

Embracing Robots in the Construction Workflow

Moderator:

Jeff Yoders, *Associate Editor, Technology, Equipment, Products, ENR*

Andrea Hernando, *Sr. Construction Technology and Innovation Engineer, Truebeck Construction*

Kevin Albert, *CEO, Canvas*

Ankoor Amin, *Innovation Leader, OES Equipment*

Scott Lewis, *Executive Director, Nor Cal Carpenters Training*

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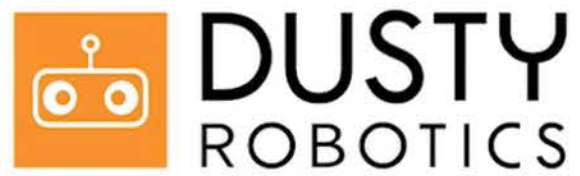
TRUEBECK

+



**DUSTY
ROBOTICS**





LESSONS LEARNED

- Accurate As-builts
- Comprehensive BIM and Layout Execution Plan
 - Buyout strategy and Labor Agreements

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CANVAS

Our Machine

- Faster
- Safer
- More Predictable
- Mitigates Labor Shortage



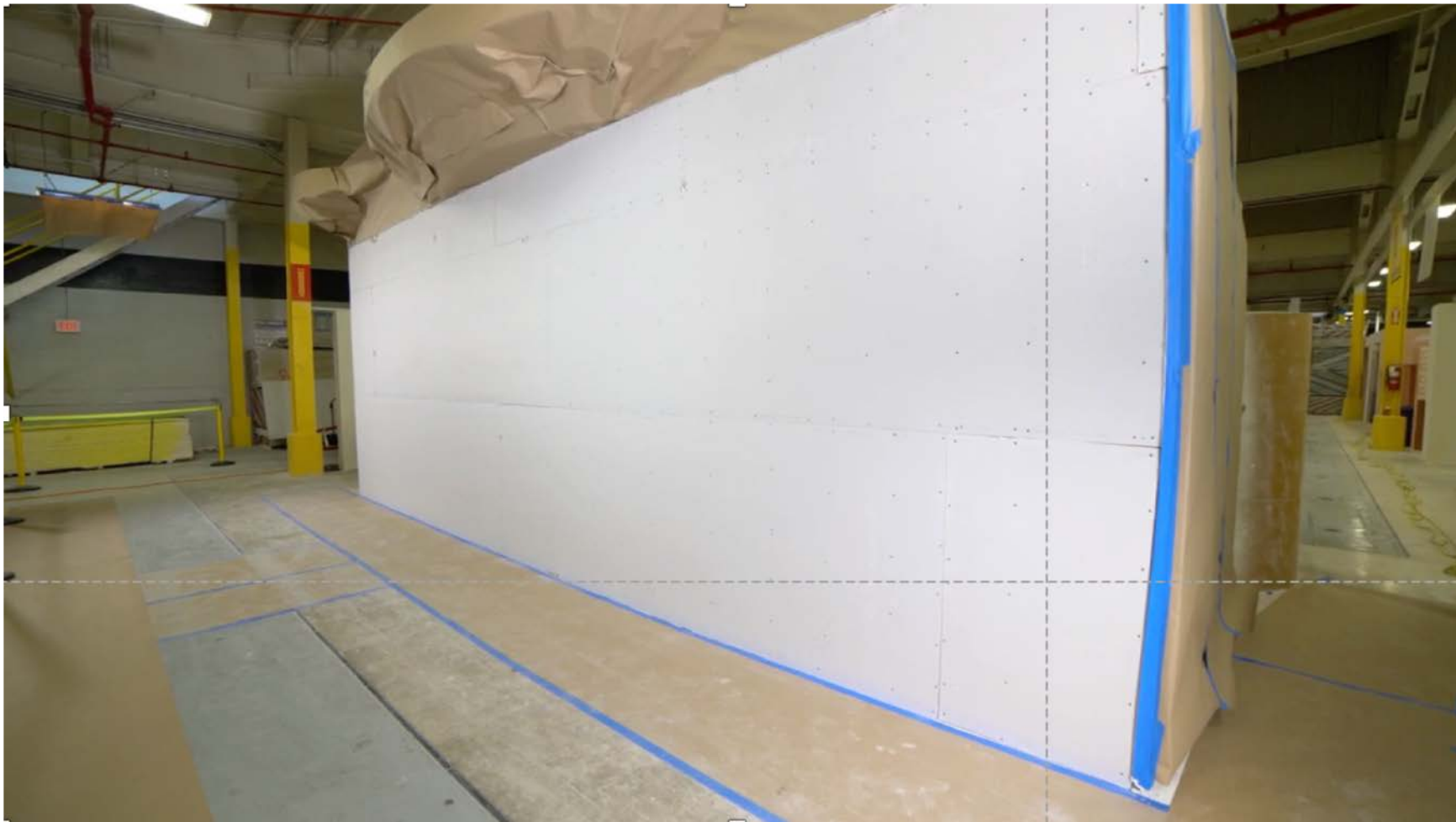
ENR FutureTech
Engineering News-Record
CONSTRUCTION'S LEADING TECHNOLOGY FORUM

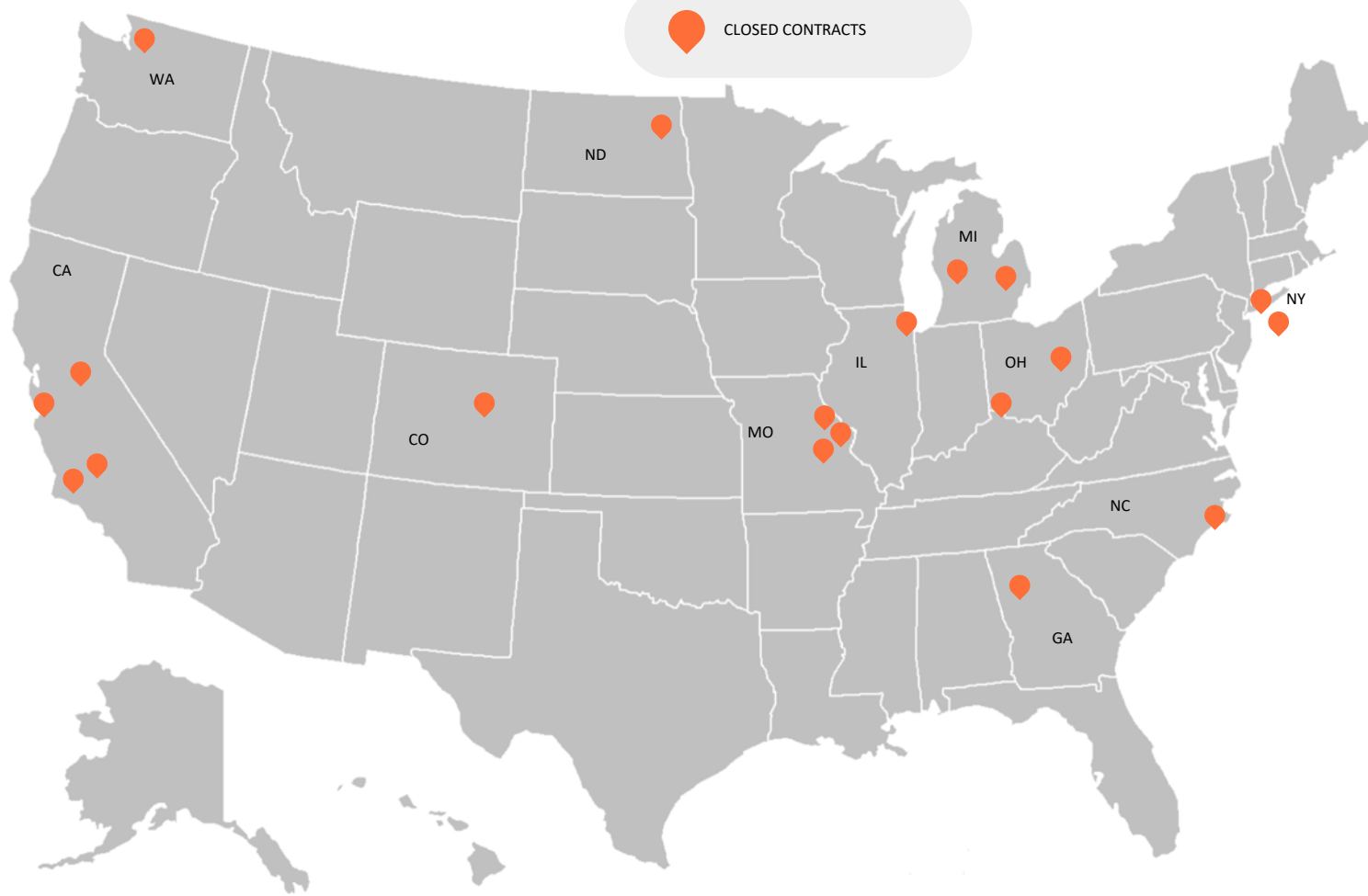
#ENRTech

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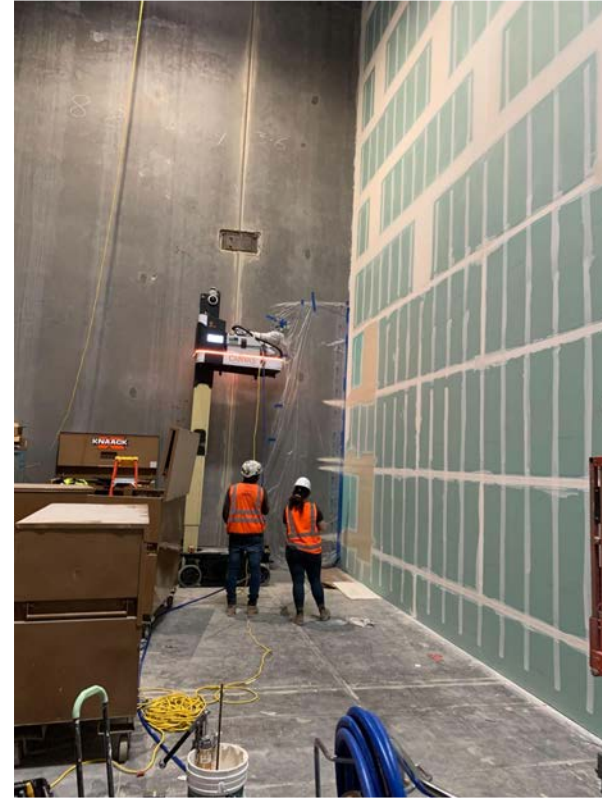




Where We Are

- 11 States
- All Four Regions

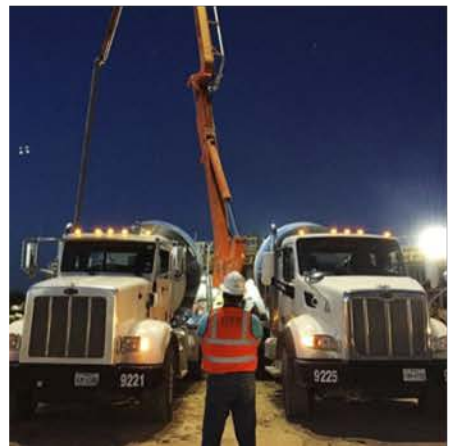
DPR/OES/Canvas History

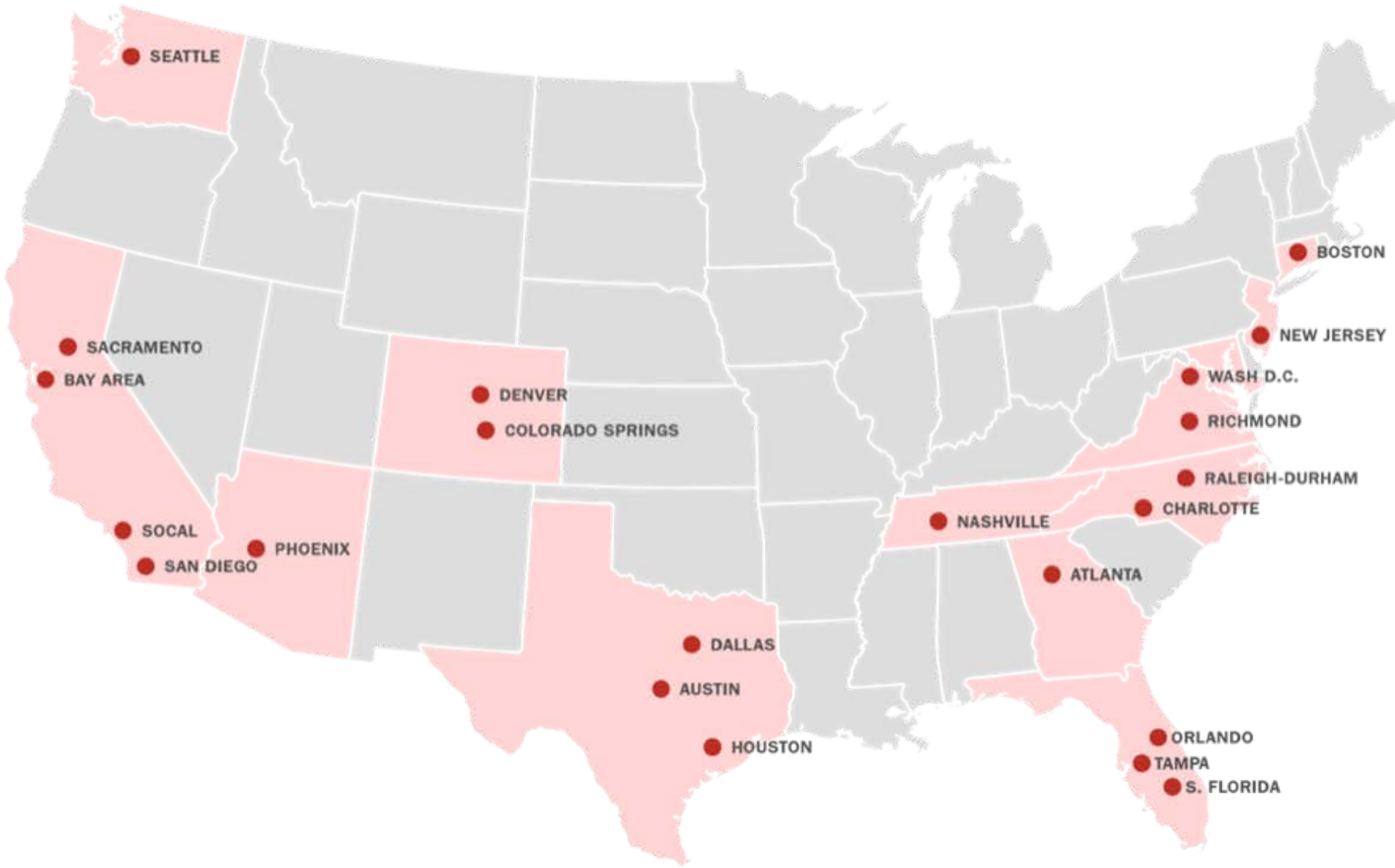


What We Do

National full-site provider of:

- construction building materials
- consumables
- equipment rentals
- site services for your project, no matter the size





Where We Are

- 13 States
- All Four Regions

Our Services



Equipment Rental and Sales



Construction Supplies



Safety Supplies



Tools



Clean Room Supplies



Logo Supplies

OES
EQUIPMENT,
SOLUTIONS TO
KEEP YOUR JOB
SITE MOVING.



Early Provider of Technology



Training in Atlanta May 15-19.



Ready for OJT May 22-26.

Keys to Successful Tech Adoption:

- Field buy in
- Operationalizing sourcing and logistics
- Tier 1 support
- Feedback loop
- Jumping in earlier: scalability, movement, utilization, coordination

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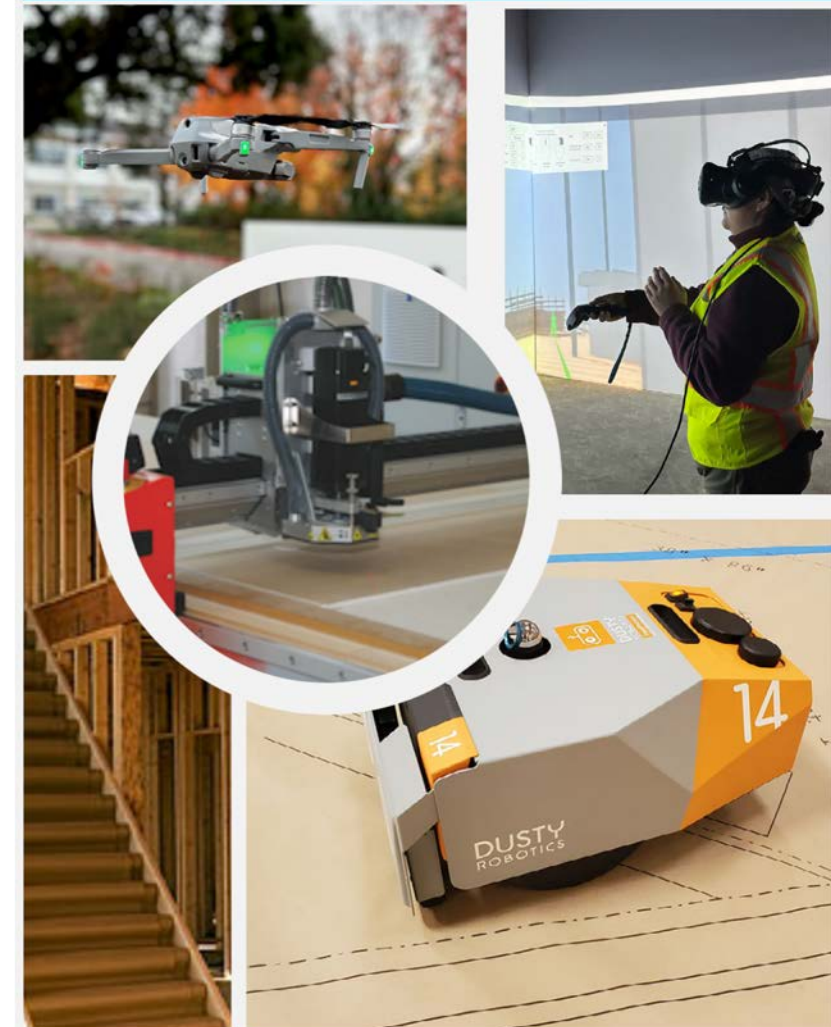
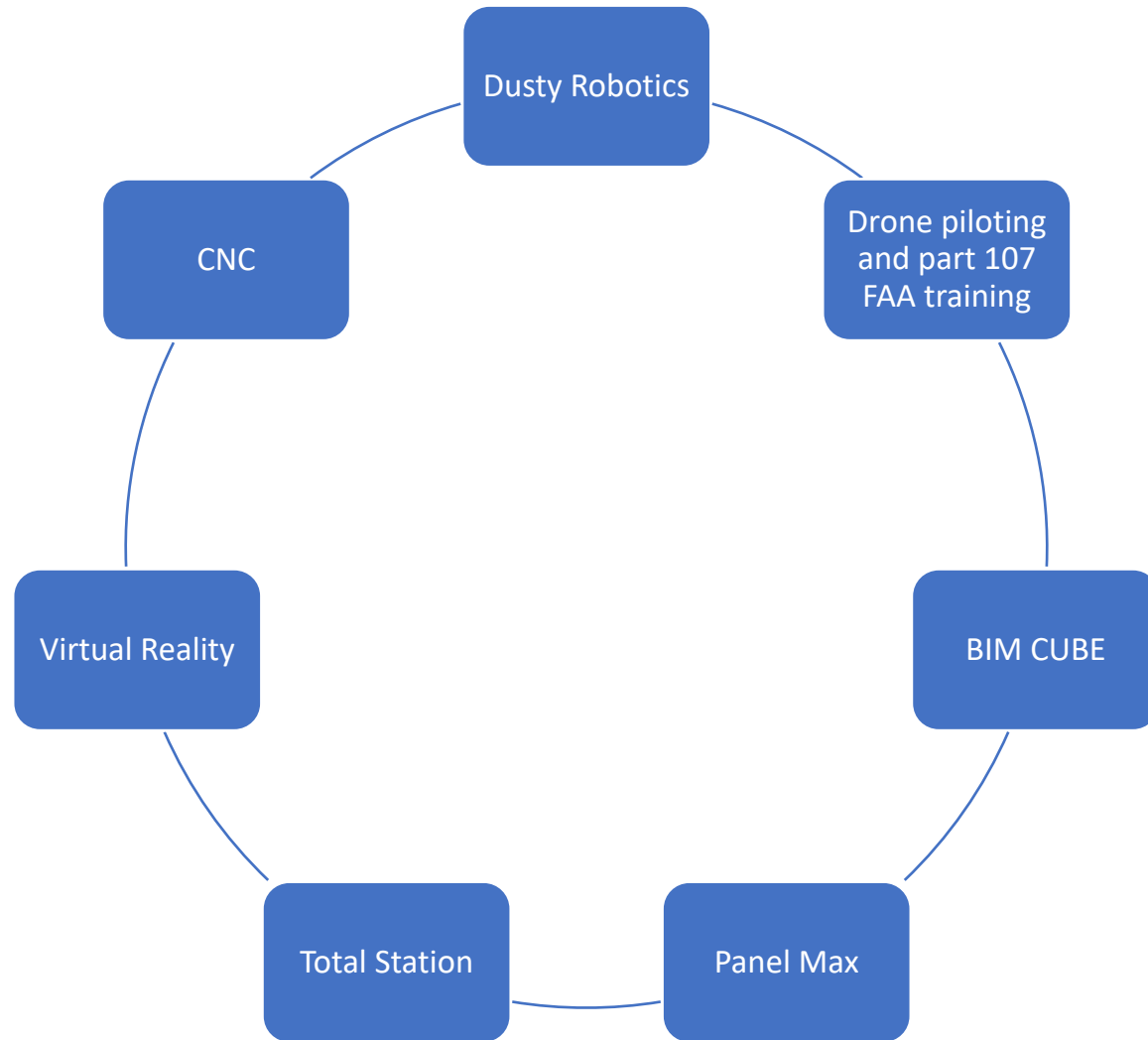
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EMBRACING TECHNOLOGY FOR THE FUTURE



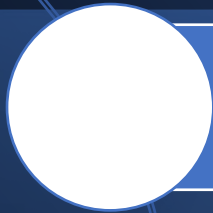
APPRENTICESHIP TRAINING FOR THE FUTURE

EMBRACING TECHNOLOGY FOR THE FUTURE

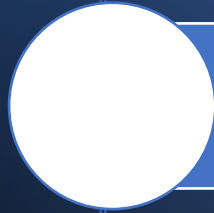




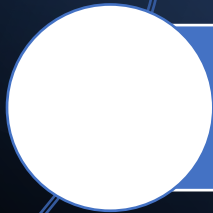
DUSTY ROBOTICS



BIM DRIVEN LAYOUT



TOOL FOR THE MODERN
CONSTRUCTION
WORKFORCE



TRAINING PARTNERSHIP

Drone piloting and part 107 FAA training



Unmanned
Aircraft Systems



Remote Pilot in
Charge



FAA Certificate





WCB
WALL AND CEILING BUREAU

BIM CUBE

A matrix that links
Stakeholders

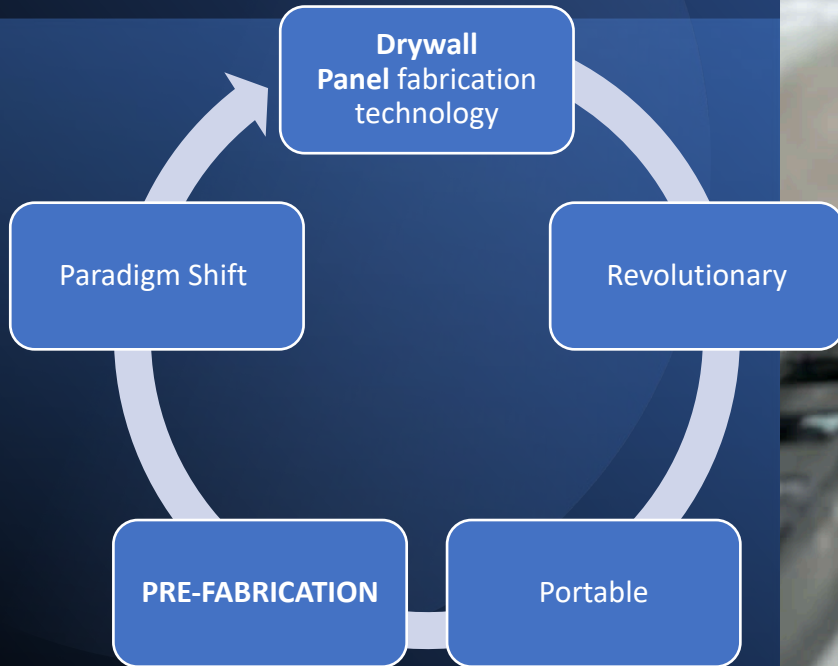
Changes in real
time

Three-dimensional
interactive digital
model room

Virtual 3D BIM



PANELMax[®]



TOTAL STATION



Accuracy



Programmed
to Perform



Time and
Money





VIRTUAL
REALITY



Training

- Consumables
- On demand
- Equipment Maintenance



Education

- Enhanced design visualization
- Versatile



Collaboration

- Cost Effective
- Portability

CNC

Computerized Numerical Control

MILL & CABINET

MANUFACTURING

AUTOMATION



ENR FutureTech

Engineering News-Record

CONSTRUCTION'S LEADING TECHNOLOGY FORUM

HILTON UNION SQUARE
SAN FRANCISCO

