

MCAA 25



Artificial Intelligence in Construction

**Chad Salge, Scott Huffmaster, Juliette
Armour-Wilson, Andy Kim, Kris
Lengieza and Tom Sullivan**



**Wednesday, March 5th
11:00 a.m. – 12:30 p.m.**

Please let us know what you thought of this session



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MCAA²⁵



Chad Salge
Brandt Companies



Tom Sullivan
Ferguson



Andy Kim
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Juliette Armour
ServiceTitan



Scott Huffmaster
Trane Technologies



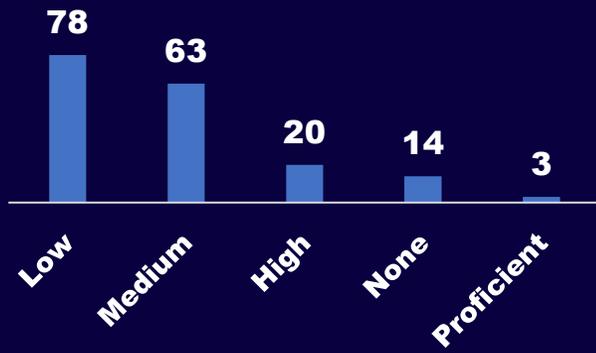
Kris Lengieza
Procore Technologies

Artificial Intelligence in Construction

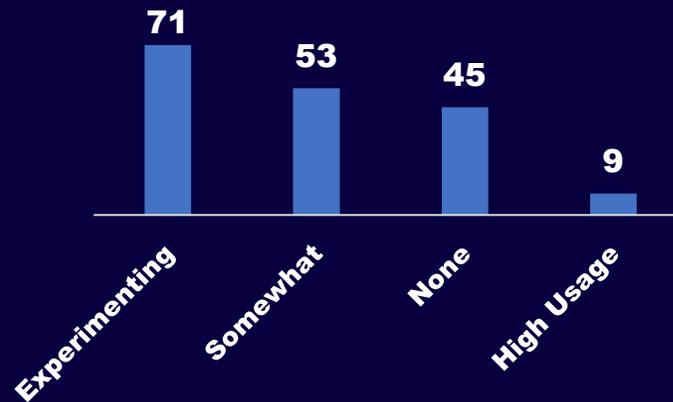
2024 SURVEY RESULTS

Contractors **149** + **78** Manufacturers
Suppliers

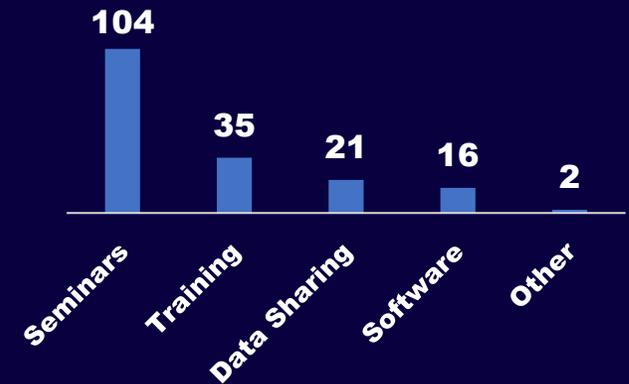
What is your level of understanding of Ai in business environments?



Are you or anyone in your company currently using Ai tools in your business for your business?



How can manufacturers and suppliers help most in your learning of Ai for business?



KEY TOPICS OF INTEREST BY CONTRACTORS

93



ESTIMATING

91



**PROJECT
MANAGEMENT**

72



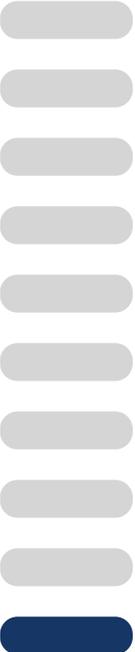
**OPERATIONS
&
MAINTENANCE**

32



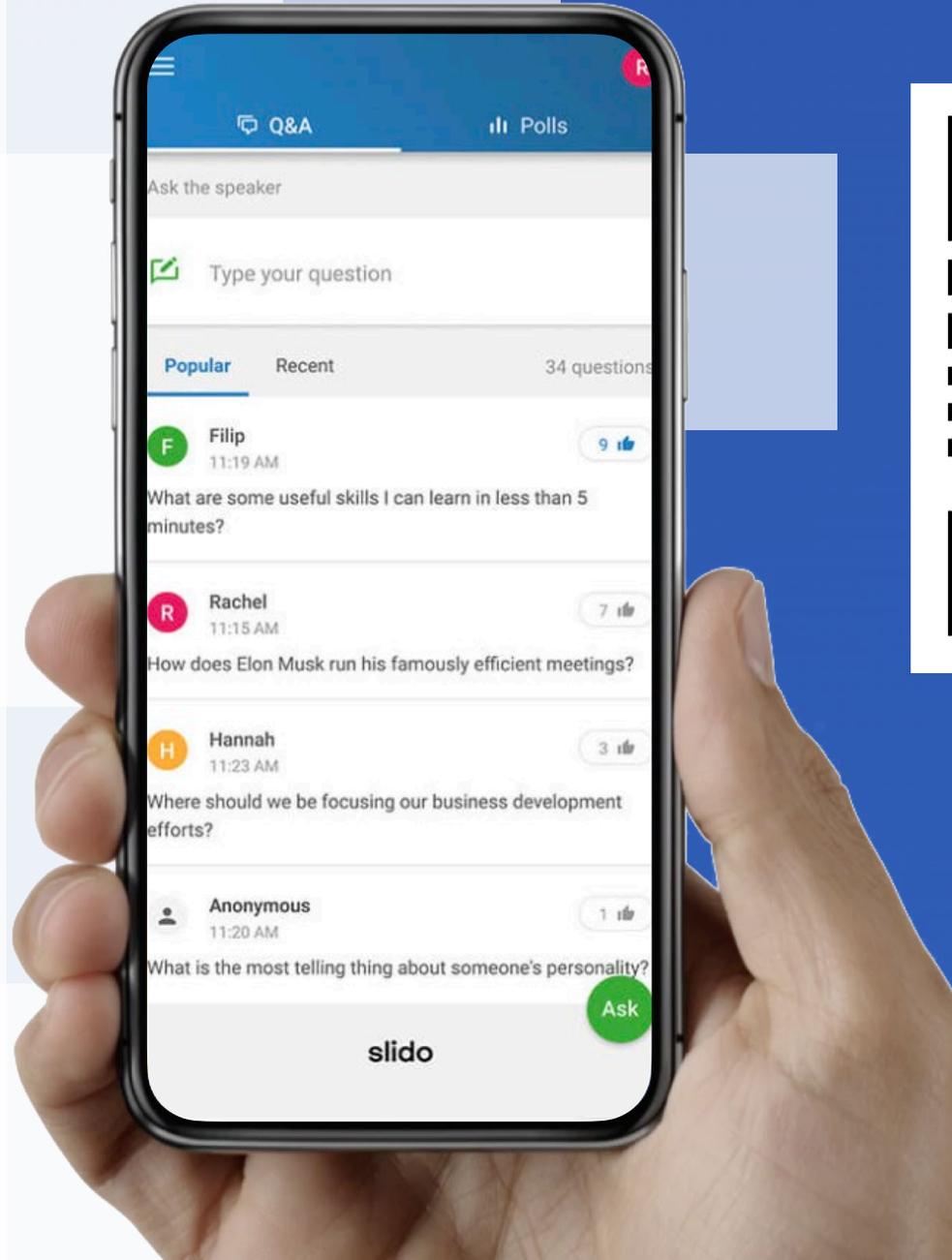
**ENGINEERING
/ VDC**

14



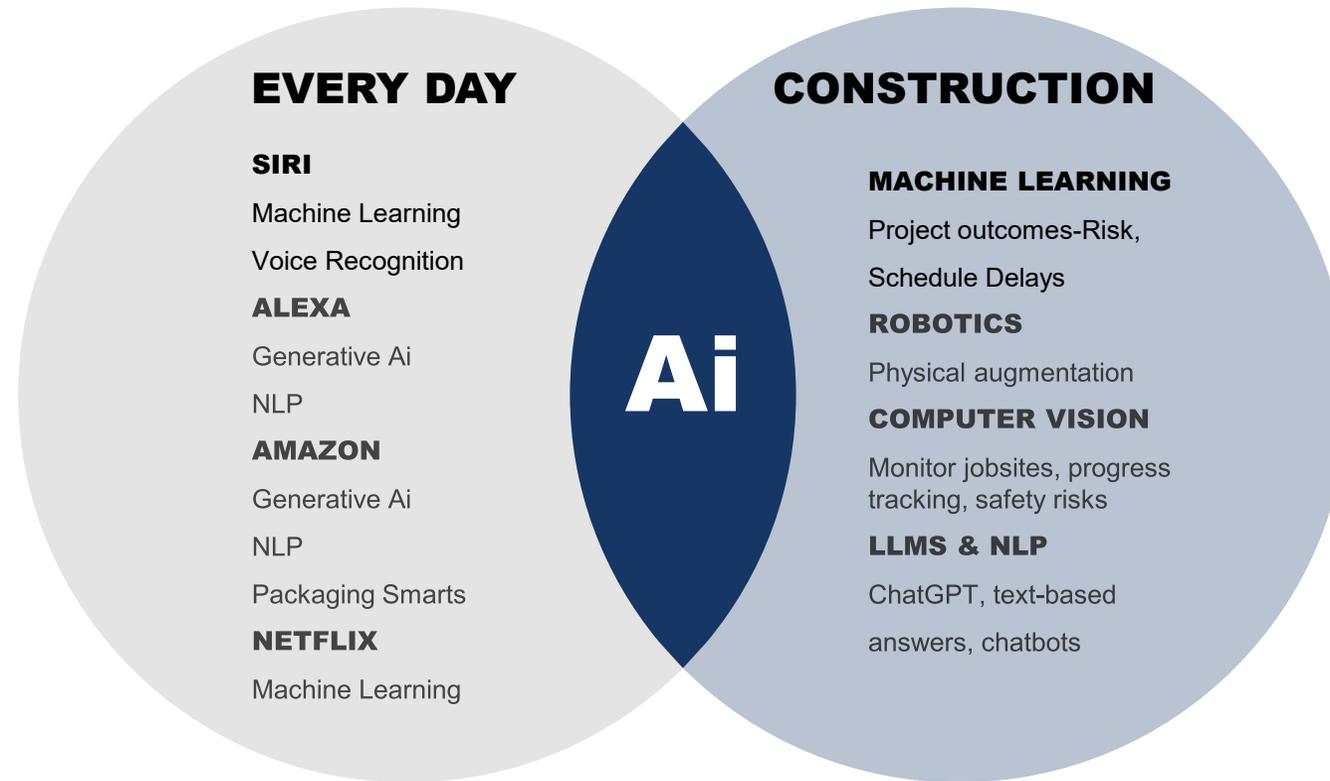
DELIVERIES

ARE YOU AN Ai EXPERT?



SCAN ME

Ai Fundamentals: What are they?



TEXT-TO-3D

Animation Creation, Gaming (Object Creation), Space Visualization, Video & 3D Point Cloud Creation



Shap-E & Point-E



Magic3D



DreamFusion



Spline AI

SKETCH-TO-3D

Animation Creation, Gaming (Object Creation), Space Visualization, Video & 3D Point Cloud Creation



AutoDraw



Animated Drawings



Plasmo



Scribble Diffusion

IMAGE EDITING

Rendering, Design Creation & Iteration, Digital Landscaping, Background Replacement & A Lot More



Super Resolution API



Mokker



Canvas



VERAS



Segment Anything

GENERATIVE MODELING

Site Analysis Automation, Building Data Assessment, Real Estate Feasibility, Sun & Wind Analyses, Parking Layouts, Urban Planning, Environmental & Financial Analysis, Walking Accessibility, Buyer/Seller Connection



Forma



TestFit



Parafin3D



Omrt



Digital Blue Foam



Architectures



CityBlDr



CITYPLAIN



Build Flow AI

BIM + AI

Automated Building Design or Generation of Floor Plans, Text-to-BIM, Construction Documentation Automation



Augmenta



Finch3D



Hypar



SWAPP



BricsCAD BIM

STRUCTURAL DESIGN

Low Carbon Design, Timber Design, Steel Structures, Automated & Optimized Concrete Design



AECforward



Daisy



Pathw.ai



PrePlan



Structure Plus

CONSTRUCTION

Building Site Data Capture, Construction Management, Language Barrier Elimination, Information Management, Procurement & Material Management



Disperse



Imerso



Need2Say



Sparkel



StructShare

DATA ANALYSIS (PLATFORMS)

Scan-to-BIM, Quantity Takeoffs, Auto-Annotation, Project & Resource Planning, Better Decision Making



Aurivus



Kreo



Archilyse



Slate AI

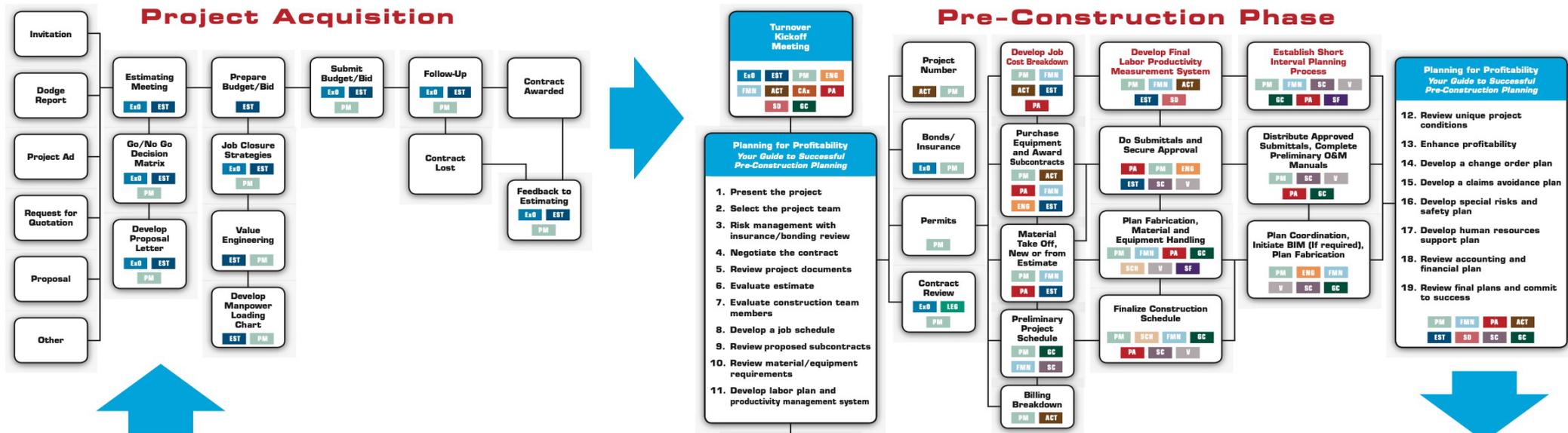


Buildots

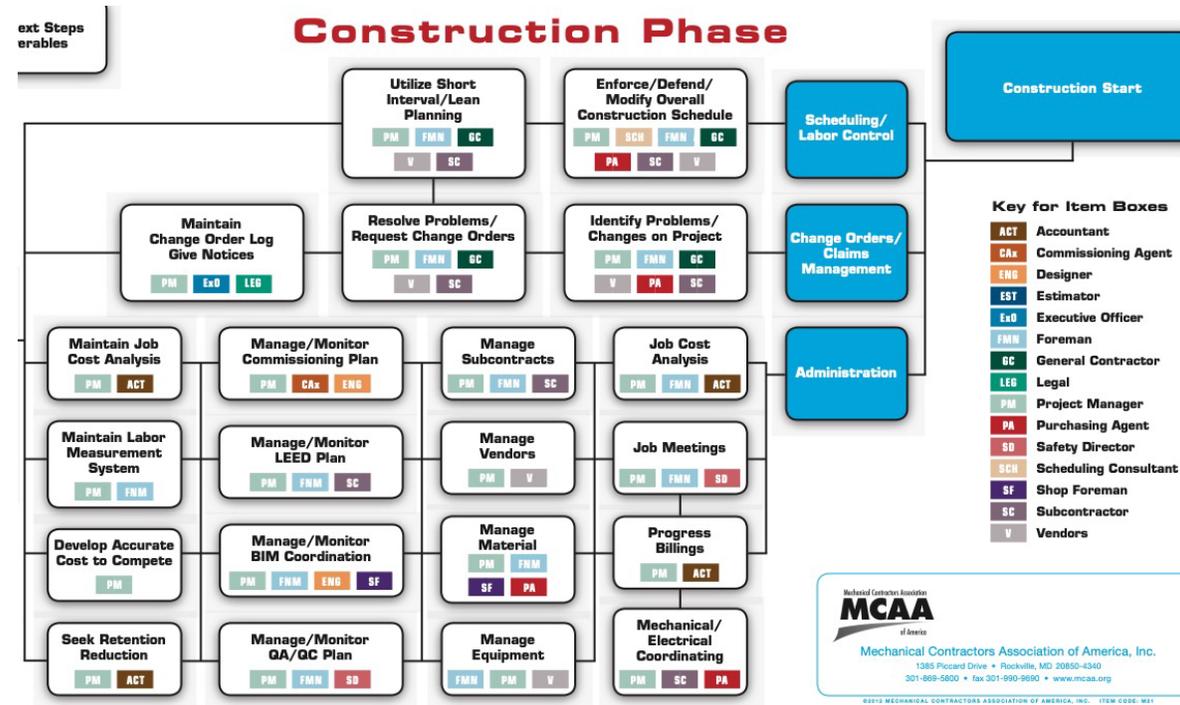


Mosaic

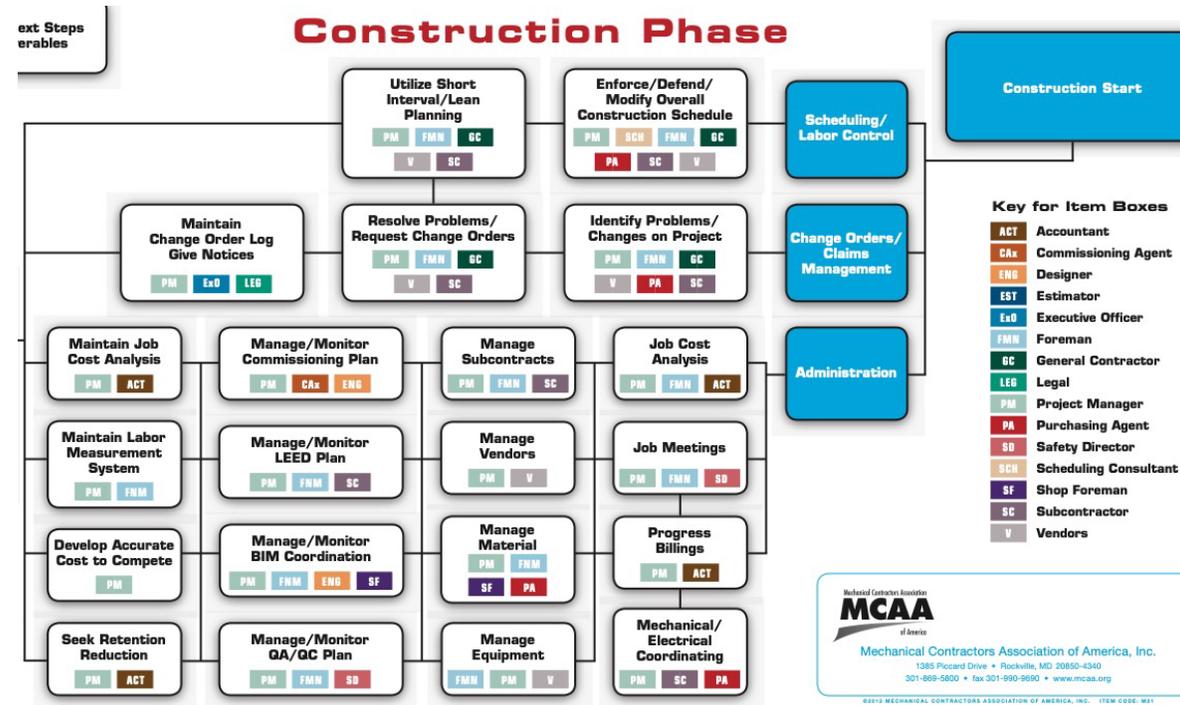
Pre-Construction & Estimating



Project Management



Project Management



Operations & Maintenance

Equipment Identification

Preventative
Maintenance

Job Execution

Service Agreements

Service & Repair

Fleet Optimization

Warranties

Scheduling & Planning

IoT / Sensors



Operations & Maintenance

Equipment Identification

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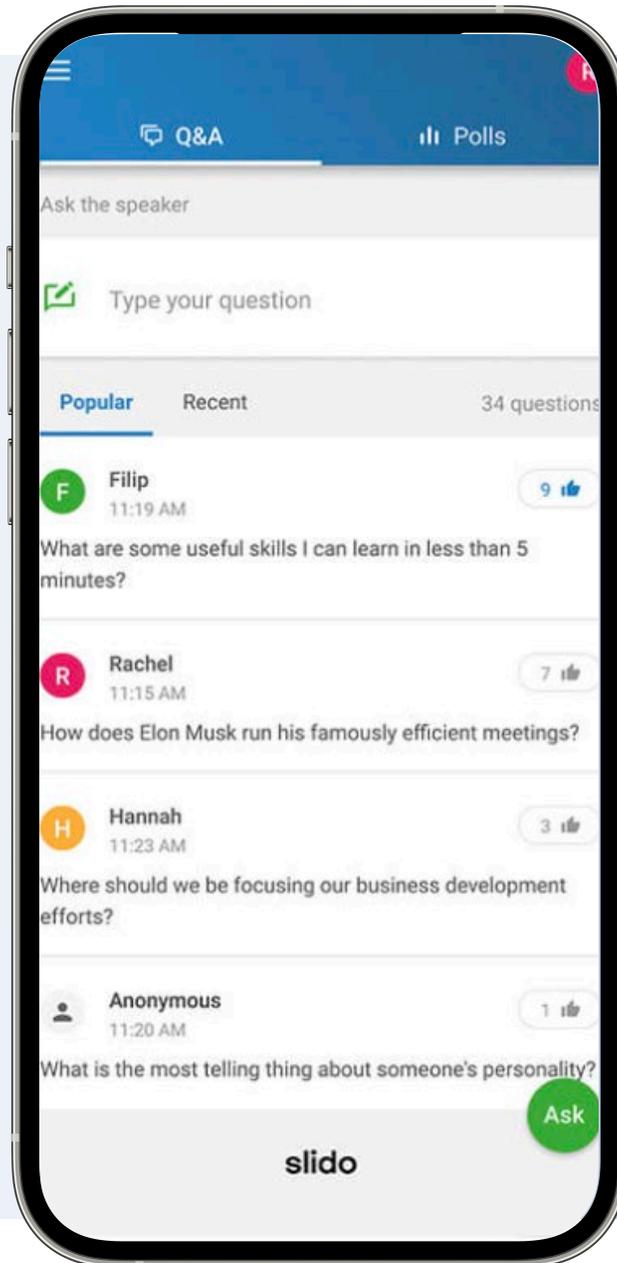
Fleet Optimization

Warranties

Scheduling & Planning

IoT / Sensors

Q & A



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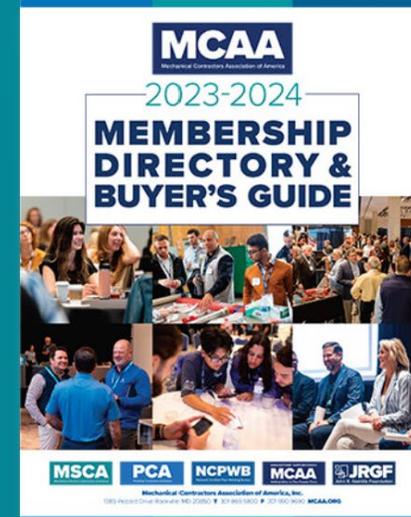
Tool and Equipment Rental Guide

WebLEM

WebLEM Access FAQs

National Education Initiative

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Use the form below to find the resource you need

I'M INTERESTED IN...

RESOURCE

Find your challenge and advance your business.

TYPE OF RESOURCE...

KEYWORD(S)

www.mcaa.org

Closing Statements

AI is evolving fast and still in early stages, expect more improvements

Benefits of AI to fit your team needs and vision

Learn fast, Fail fast mode to be able to adopt technology for your needs

Reach out to MCAA to stay informed on updates and trends

MCAA25

Thank You

Brian Calcagno
Procore

Jon Howland
DEWALT

Matt Griffiths
DEWALT

Bill Tavenner
Ferguson

David Burczyk
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Parthiv Amin
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