



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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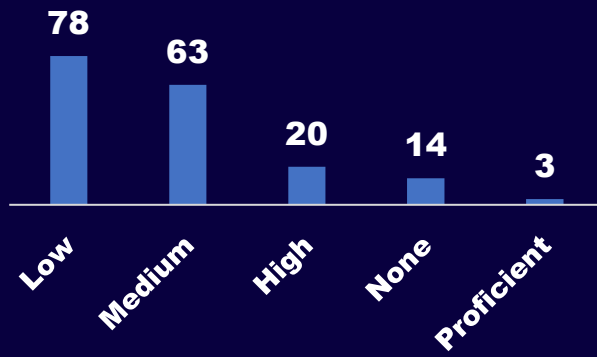
Kris Lengieza
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Artificial Intelligence in Construction

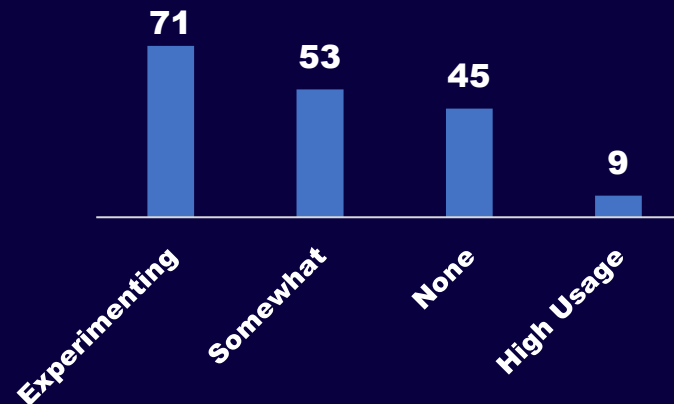
2024 SURVEY RESULTS

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

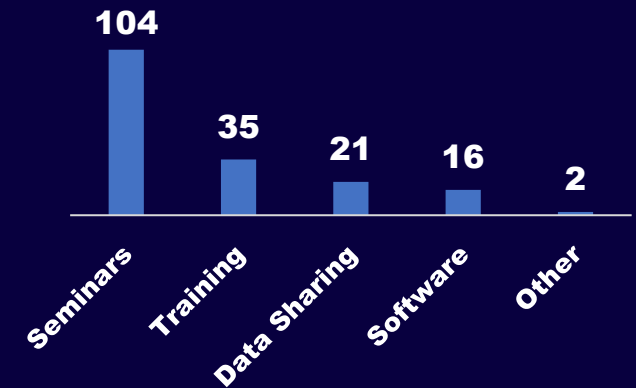
What is your level of understanding of Ai in business environments?



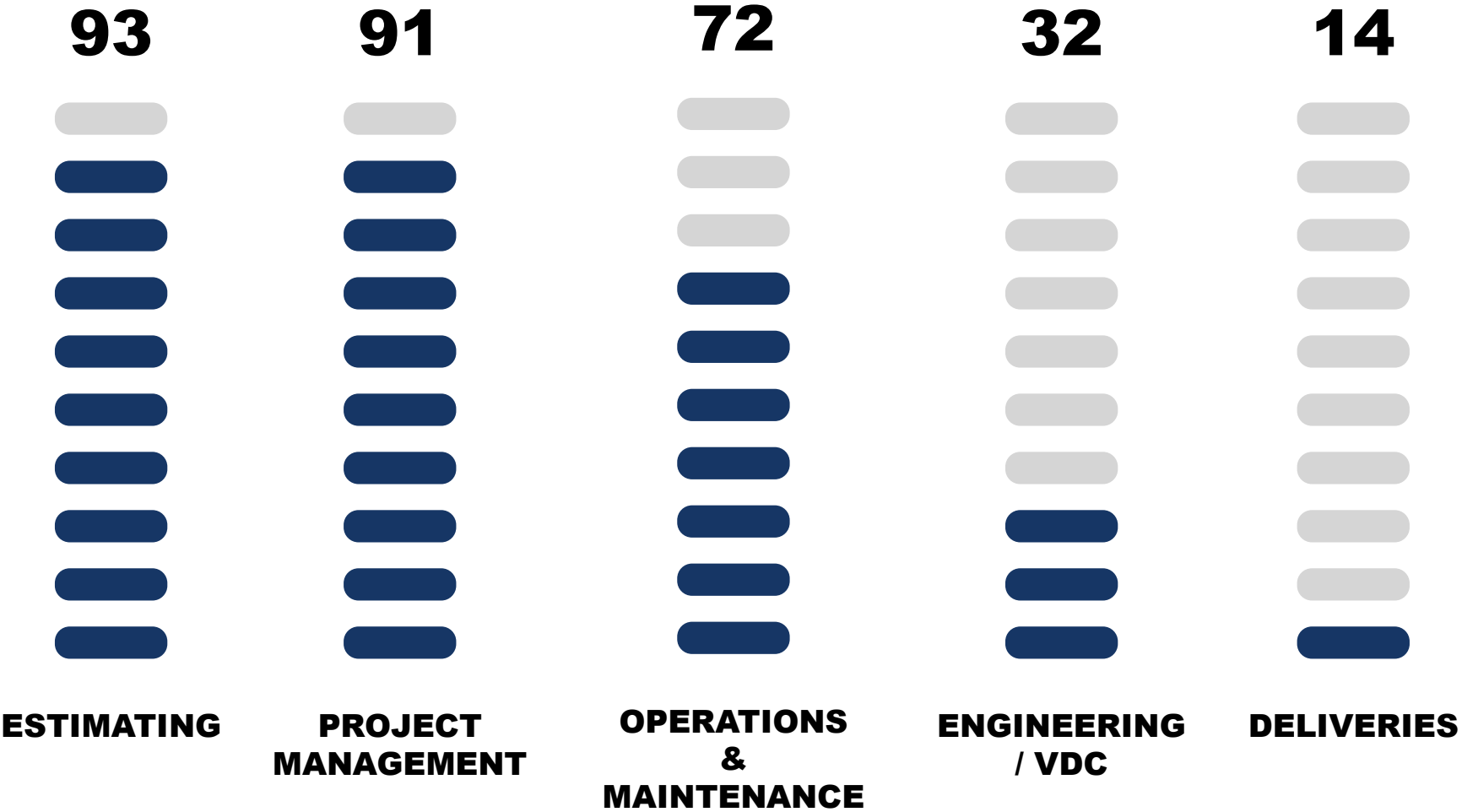
Are you or anyone in your company currently using Ai tools in your business for your business?



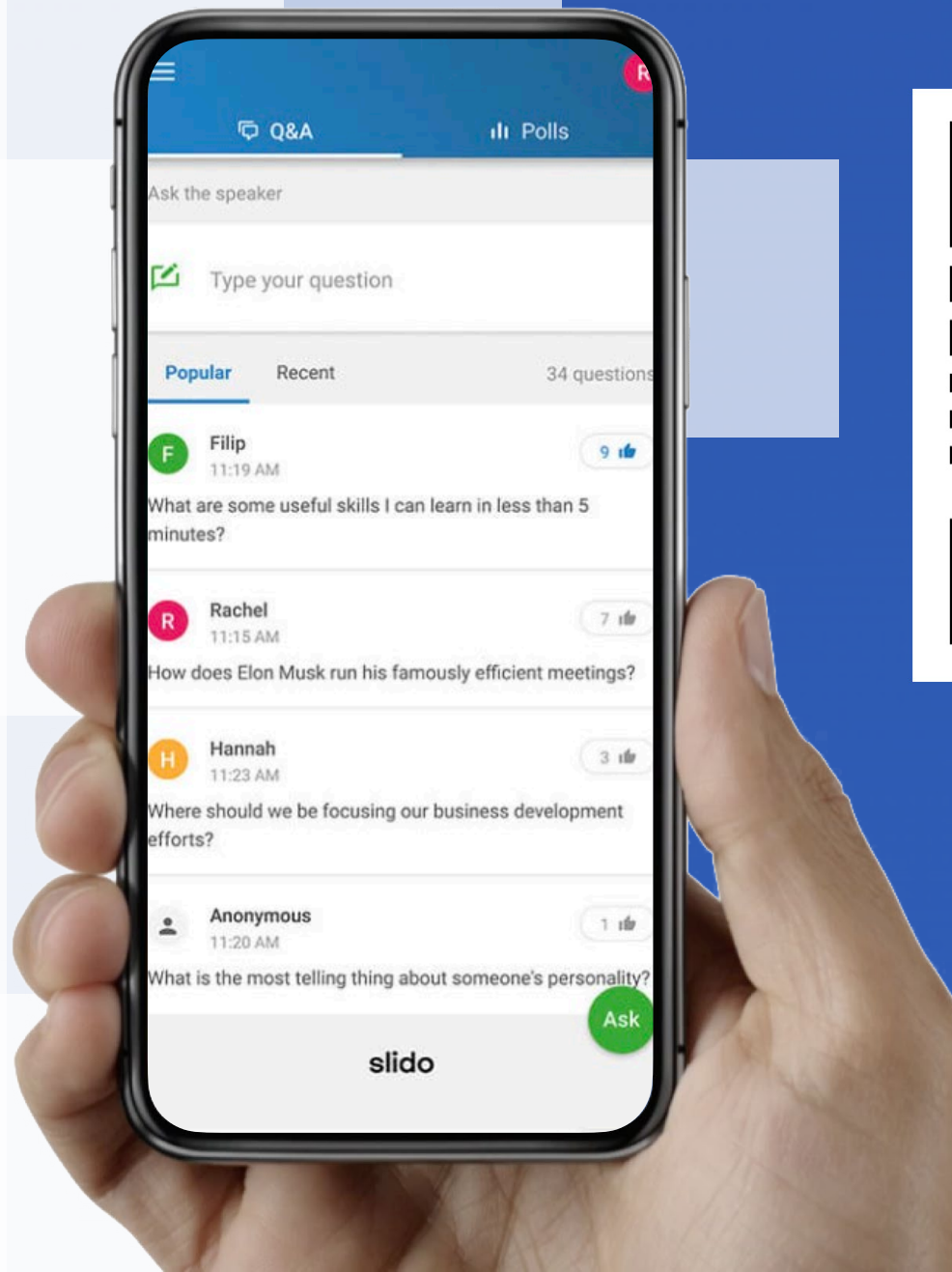
How can manufacturers and suppliers help most in your learning of Ai for business?



KEY TOPICS OF
INTEREST BY
CONTRACTORS

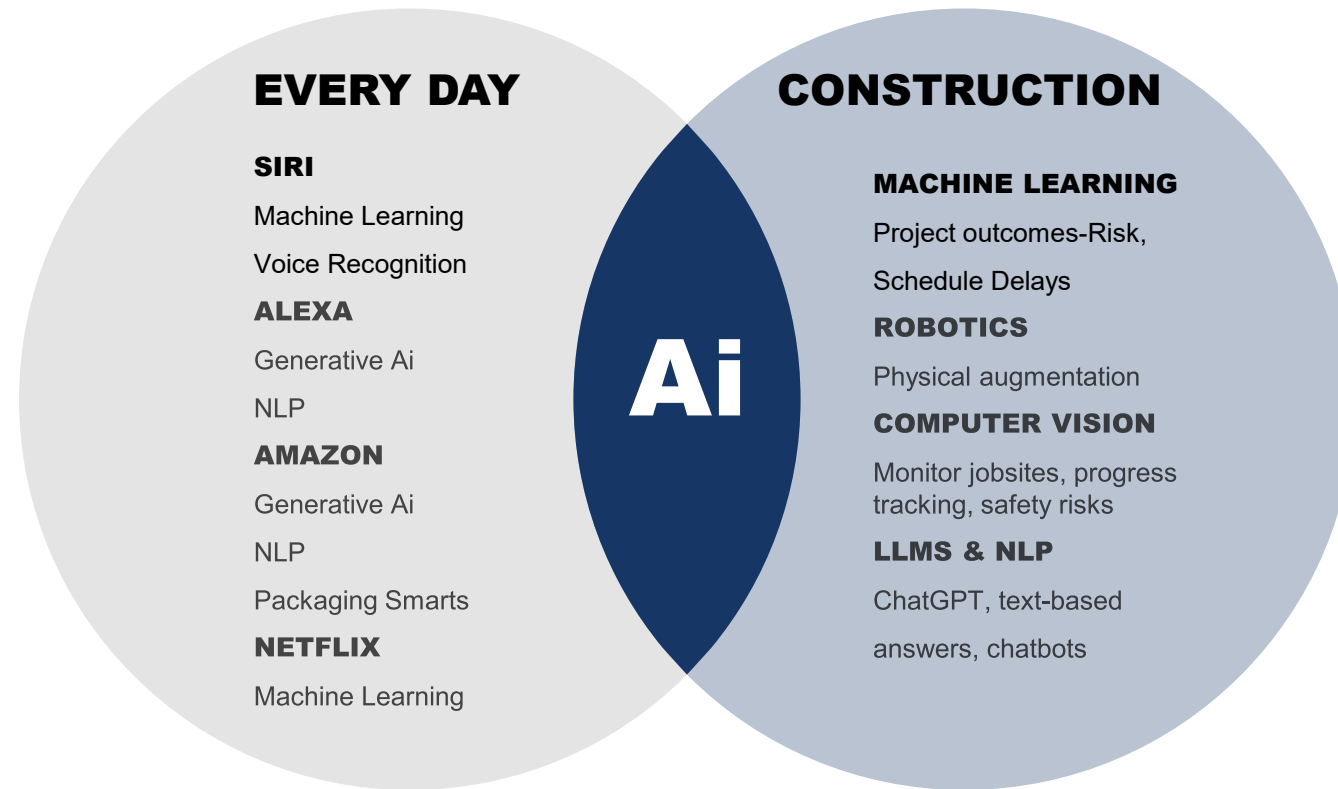










ARE YOU AN Ai EXPERT?



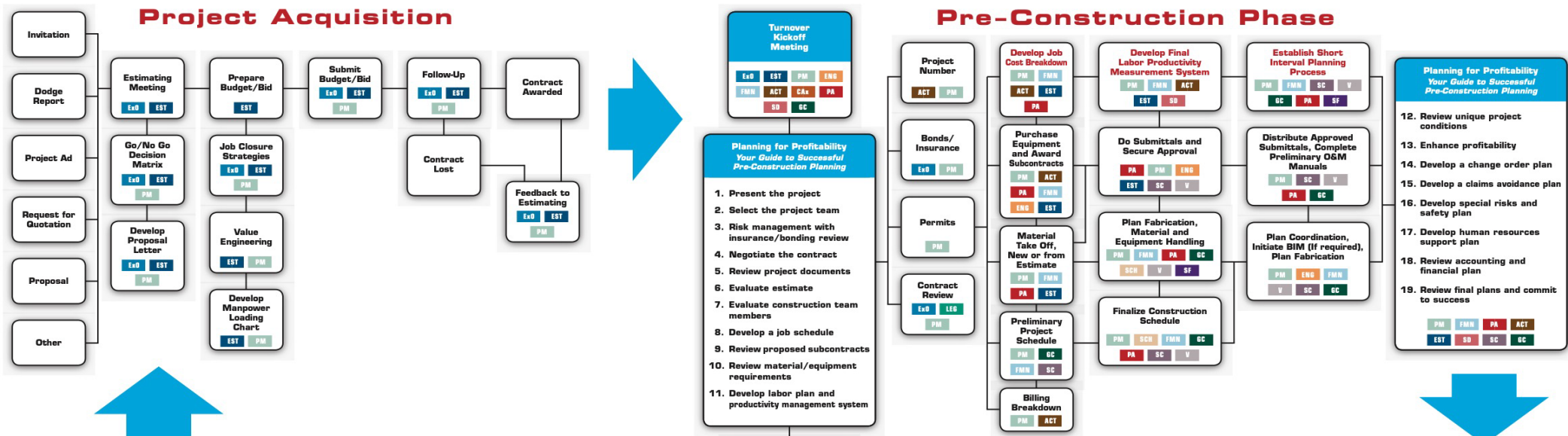
SCAN ME

Ai Fundamentals: What are they?

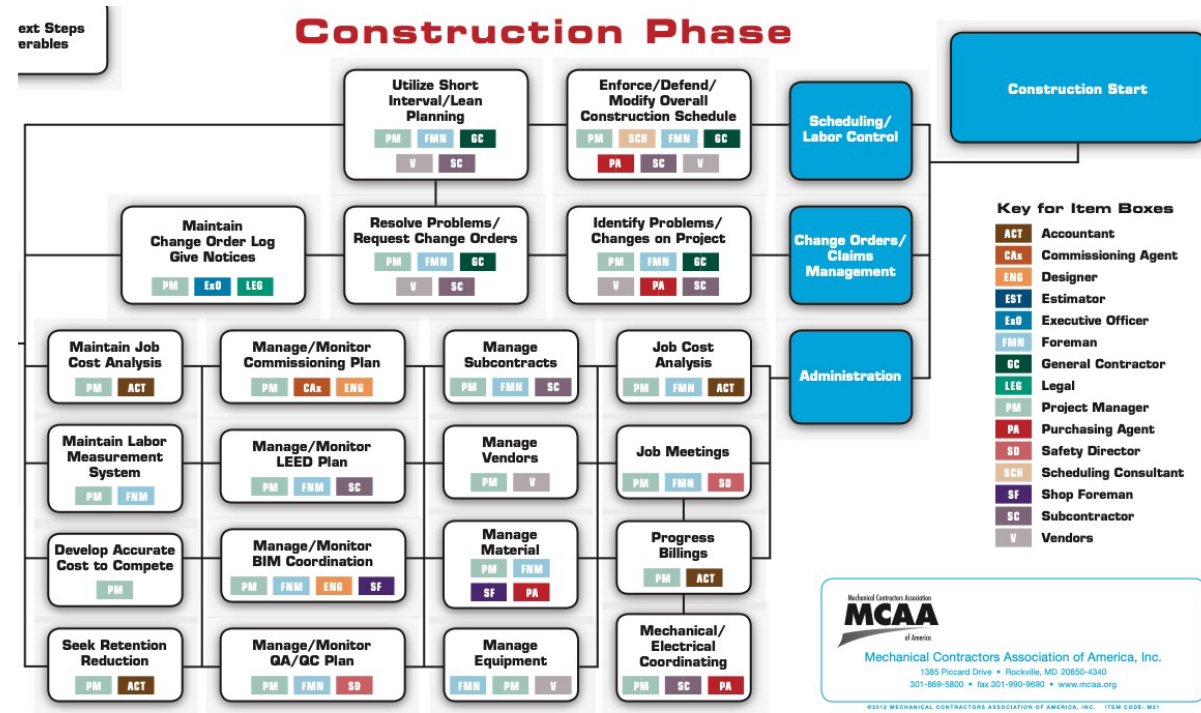


TEXT-TO-3D	Animation Creation, Gaming (Object Creation), Space Visualization, Video & 3D Point Cloud Creation	 Shap-E & Point-E  Magic3D  DreamFusion  Spline AI
SKETCH-TO-3D	Animation Creation, Gaming (Object Creation), Space Visualization, Video & 3D Point Cloud Creation	 AutoDraw  Animated Drawings  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
BIM + AI	Automated Building Design or Generation of Floor Plans, Text-to-BIM, Construction Documentation Automation	 Architectures  CityBldr  CITYPLAIN  Build Flow AI
STRUCTURAL DESIGN	Low Carbon Design, Timber Design, Steel Structures, Automated & Optimized Concrete Design	 Augmenta  Finch3D  Hypar  SWAPP  BricsCAD BIM
CONSTRUCTION	Building Site Data Capture, Construction Management, Language Barrier Elimination, Information Management, Procurement & Material Management	 AECforward  Daisy  Pathw.ai  PrePlan  Structure Plus
DATA ANALYSIS (PLATFORMS)	Scan-to-BIM, Quantity Takeoffs, Auto-Annotation, Project & Resource Planning, Better Decision Making	 Disperse  Imerso  Need2Say  Sparkel  StructShare
		 Aurivus  Kreo  Archilyse  Slate AI  Buildots  Mosaic

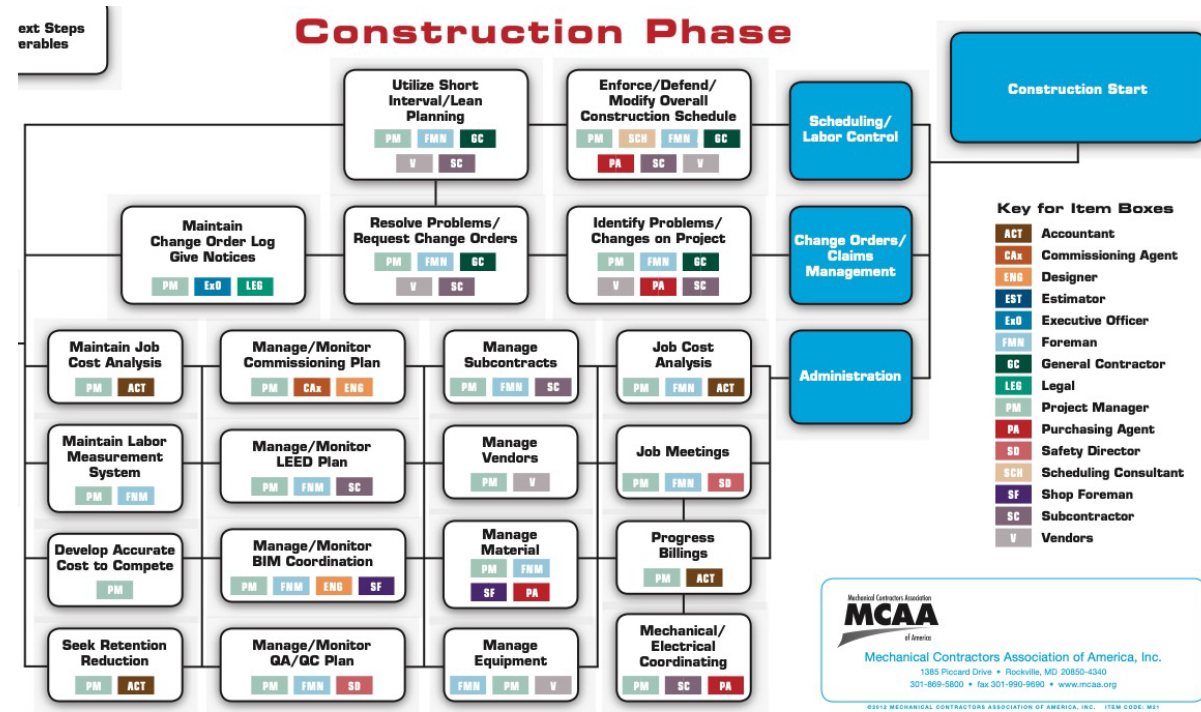
Pre-Construction & Estimating



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

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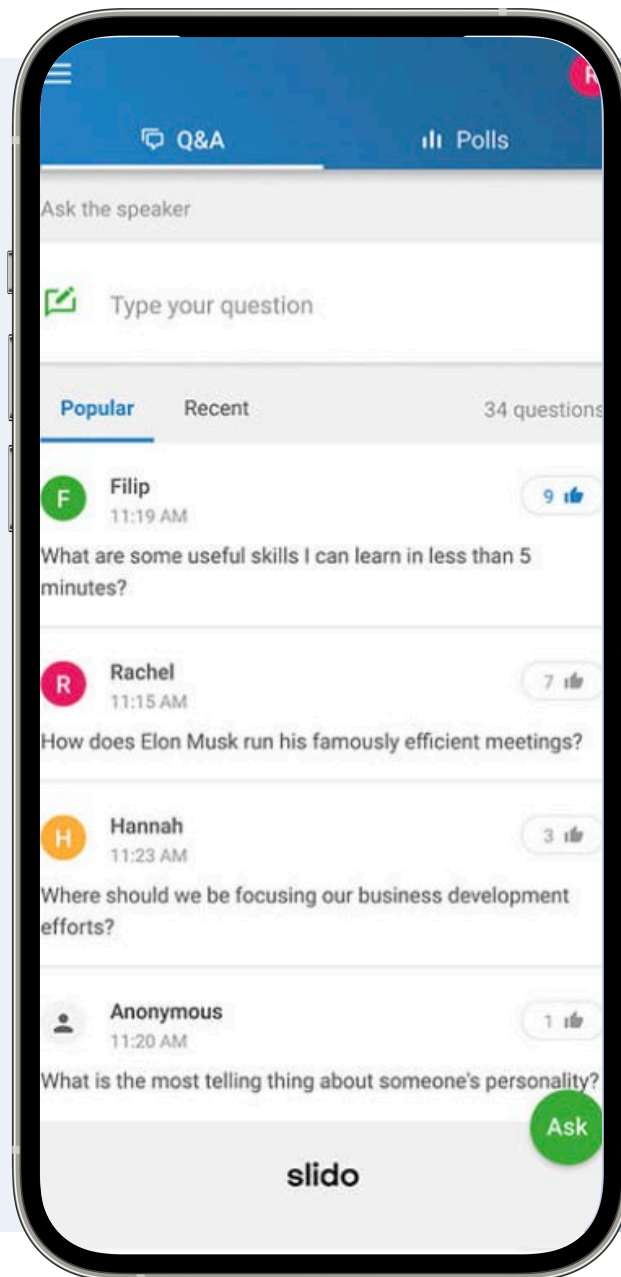
Fleet Optimization

Warranties

Scheduling & Planning

IoT / Sensors

Q & A



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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

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