

Overview

- Types of AI
- Players in Construction Al
- Gameday Ready Solutions for Practical Use Cases
- Considerations & Wrap Up
- Appendix: About BBI



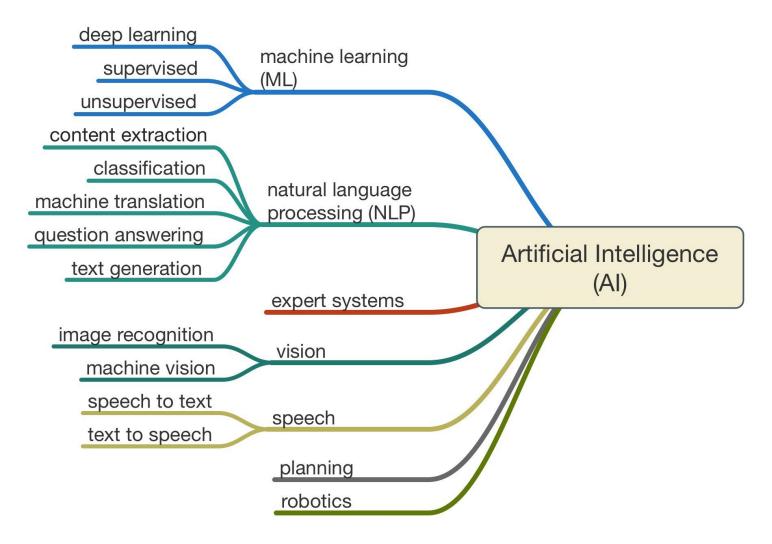


Types of AI – Many Answers

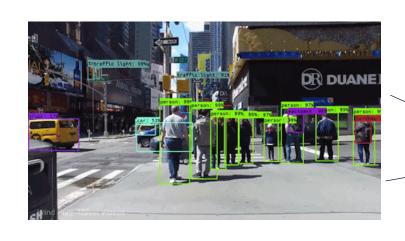
Simplest Categories

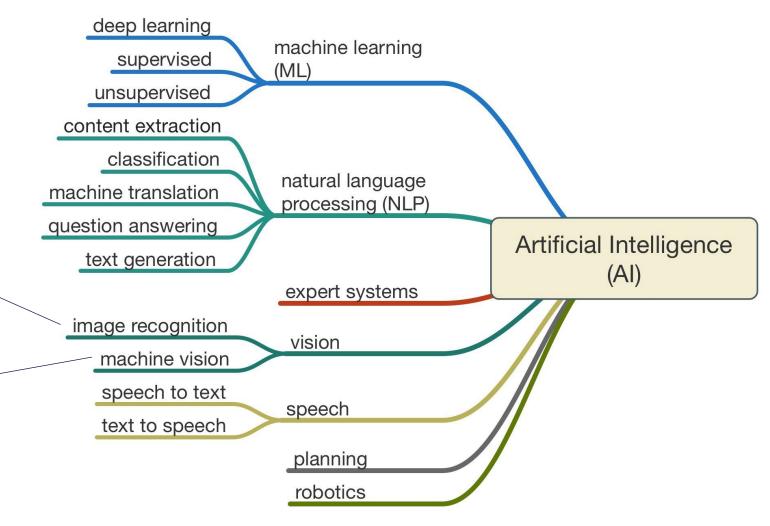
- Expert Systems
- Natural language processing (NLP)
- Machine learning (ML)
- Deep learning (often times classified as a subset of ML)
- Robotics



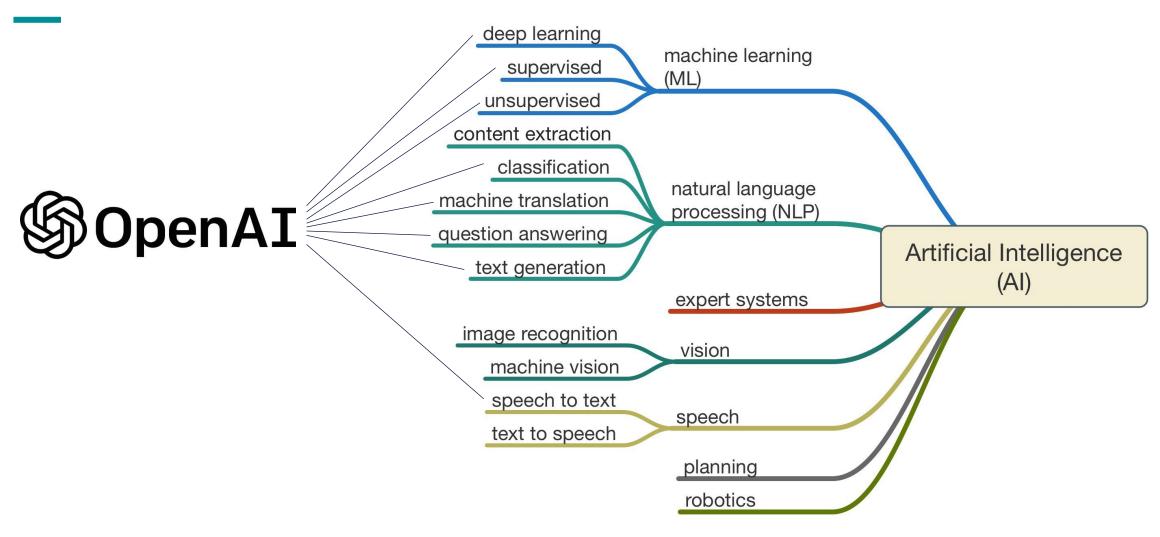




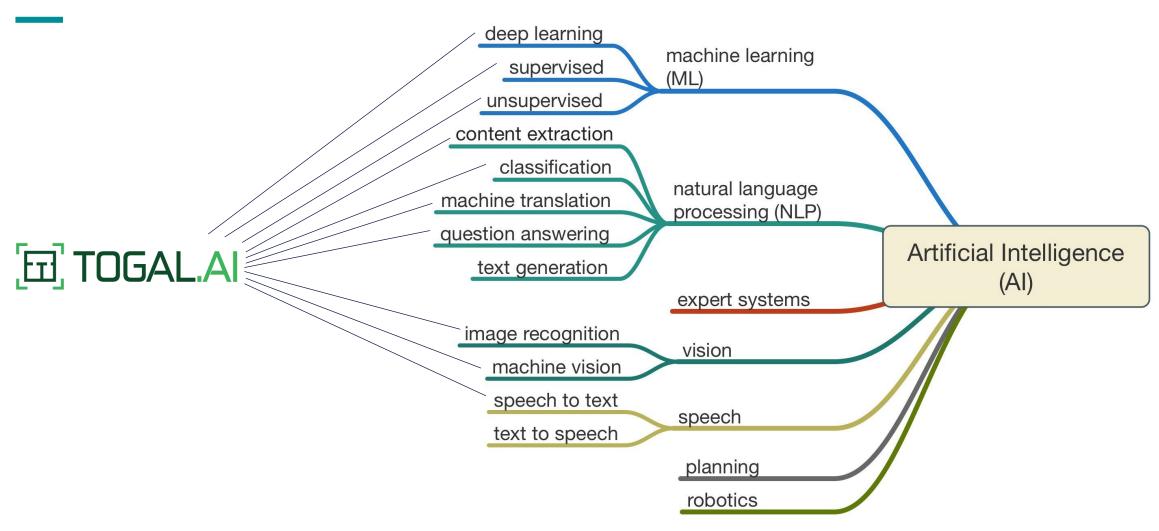




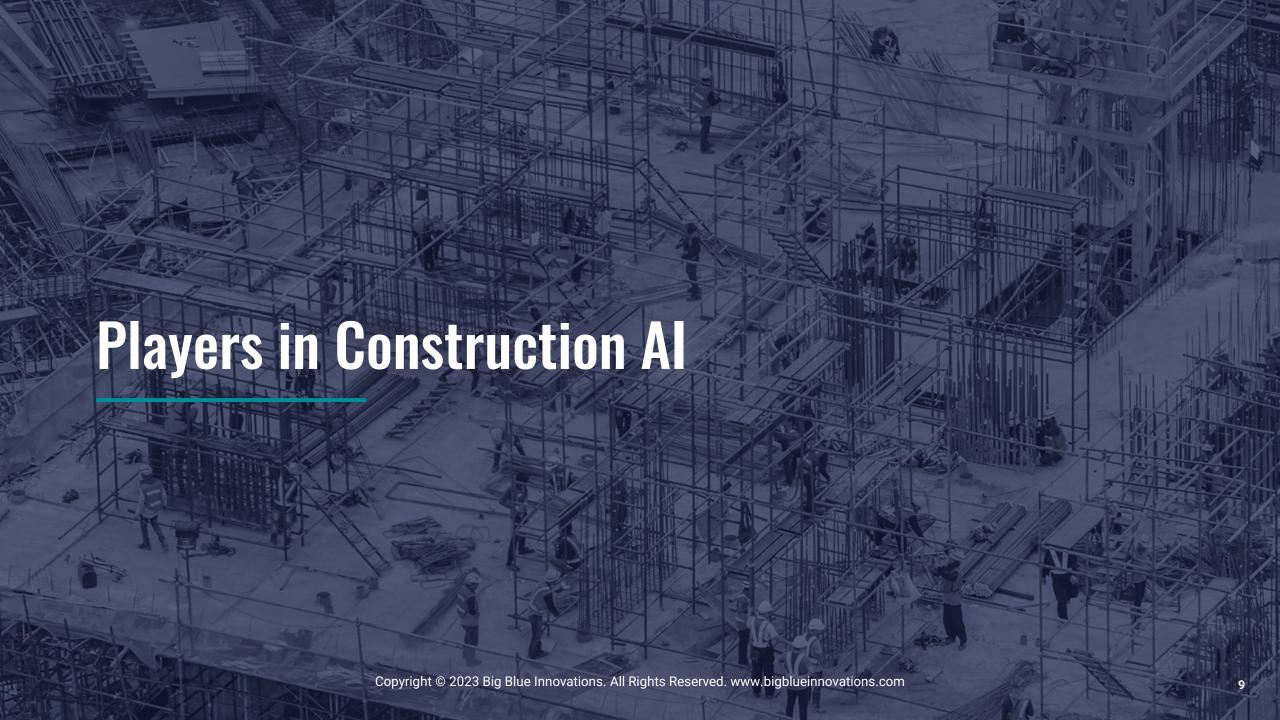












Players in Construction AI (there are many more)































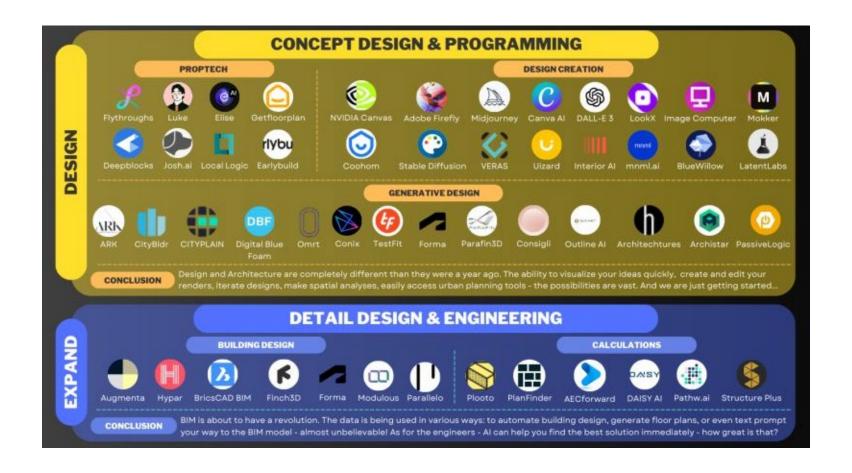






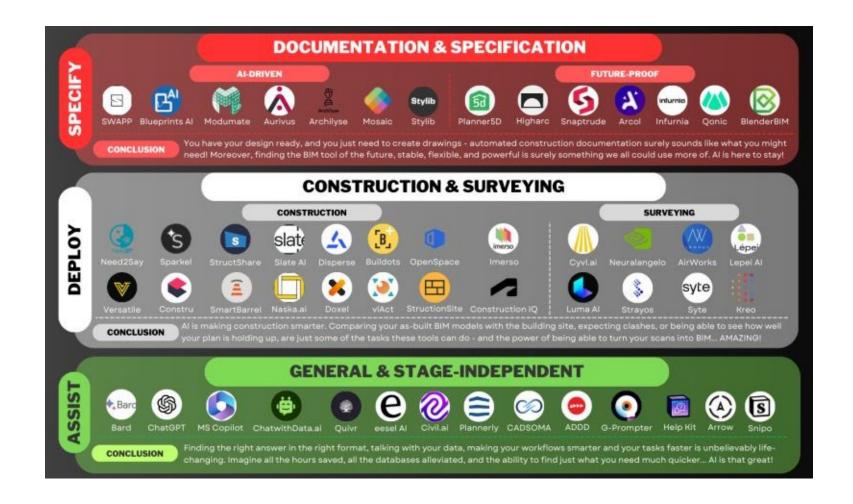


Players in Construction AI (some arguably not AEC





Players in Construction AI (some arguably not AEC)







Market Update

Technology for the Built Environment

September 2023









Spotlight – Construction Automation (1 of 3)

Ascentage

Construction Automation Solutions Taking Numerous Forms from Robotics to Drones and Autonomous Vehicles to Offsite/Modular

	Inspection/QA and Layout	Onsite Construction
	Boston Dynamics DOXEL	CANVAS
Vertical Construction/ Buildings	DUSTY ROBOTICS	INTSITE KEWAZO
	Robotics and Reality Capture	Robotics
	OPENSPACE	Toggle Robotics
	RECONSTRUCT ROBOTICS	UltraWis Um urban machine
Horizontal Construction/ infrastructure	CIV ROBOTICS Tone Deploy	ADVANCED Construction ROBOTICS BUILT ROBOTICS
	Drones and Drone-Enabled Software	Autonomous Vehicles and Robotics
		SafeAl* Teleo 🌦
	Tiny Mobile Robots [®]	



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Sources and Disclosures

Ascentage Advisors, LLC



Sources and Notes

Data Sources

- 1. Pitchbook
- LinkedIn
- 3. Public company releases, filings, and earnings transcripts

Company References

Miscellaneous company and press releases

Disclosures

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Players in Construction AI (there are many more)









































Considerations

- Don't chase shiny objects.
- Have a defined need (or interest) and research solutions.
- Be mindful of data ownership and data privacy.
- Qualify, or at least acknowledge, the accuracy of the output (or lack of accuracy).
- Today, there is no such thing as synthetic wisdom. We aren't there yet.
- Al is here. More will come. It is important to determine the logical and beneficial ways to incorporate it into your business.



Questions?









Jay Snyder President & Principal of Big Blue Innovations

I am incredibly proud to stand with the construction industry for the past two decades. I grew up in this industry among general contractors, trade contractors, owners, developers, manufacturers, inspectors, service providers, and technology companies. No other industry is as close knit, yet as incredibly competitive, as construction. Few places have as much camaraderie, dedication, and appreciation for each other. Some say the industry hasn't evolved and that it lags in leveraging technology. While we should be solving more of our challenges with technology, this industry has

evolved greatly. From the steam shovels of the early 1900's to hydraulic excavators and autonomous graders, from blueprints to BIM, from plaster to self healing concrete – THIS INDUSTRY KNOWS HOW TO EVOLVE.

Having been in project management and having overseen construction operations, I am prideful.

Our team is prideful. This industry fulfills us. Big Blue Innovations' expertise, at the seam of business, operations and technology, is powerful.

Our ability to advise across people, process, technology and data, to maximize your results with

technology are unique because our team is unique. Our work is not done until our team and yours are equally energized about the outcomes we create. As contractors, technology is one of your top three operating expenses. We want to ensure that every dollar spent on technology is worth it, and producing results. Let us help you navigate through the landmines and fog, to propel your growth in an industry that builds greatness.



About Us

Mission

We exist to catapult lasting growth in technology companies and empower contractors to leverage impactful technologies that improve business and project performance.

Main Service Offerings







Contractor
Business Modernization
and Technology
Consulting

Technology Startup Advising

Corporate Development Planning



About BBI



U.S. based firm with staff positioned across the country.



Satellite operations in EMEA.



Our firm is led by a former general contractor executive, owner real estate director, and technology entrepreneur.



Certified Veteran Owned Business.





Outposts

Austin, Baltimore, Denver, Houston, Miami, Nashville, New York City, Phoenix



Raleigh, (Cary, NC)



Services to Construction Companies

Business Modernization, Business & Data Analytics, and Technology advisor to contractors.







Business Modernization and **Optimization**

- Executive Advisor
- Post M&A tech integration
- Fractional CTO

Business & Project Data Analytics

- Data Management Strategy
- Systems & Data Integration
- Data Visualizations & Dashboards
- Business Analytics as a Service

Technology Advisor

- Technology Assessments & Strategic Planning
- Software Selection
- Software Implementation
- Data Integration



Contact us to talk more about this or other business transformation and technology topics

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