

CDS Vision Capability Statement

Minority- and women-owned AI services company building practical AI systems for construction, engineering, manufacturing, government, and small business workflows.

Tailored AI for the industries that build

Gov. Business POC

Dhatri Chennavajula
612-913-6209
dhatri@cdsvision.com
info@cdsvision.com
cdsvision.com

Plymouth / Minneapolis, MN
Work Area: Nationwide

Company Focus

CDS Vision helps teams turn manual plan review, document processing, and operating workflows into structured AI-assisted systems that are faster, reviewable, and easier to scale. Current specialization: A/E/C blueprint intelligence for electrical and structural takeoffs.

Core Competencies

A/E/C Blueprint Intelligence

- Electrical lighting plans takeoff and power plans takeoff
- Structural plans takeoff for construction review workflows
- Blueprint PDF analysis, symbol detection, quantity extraction, and structured outputs
- Human-in-the-loop QA workflows for estimators and project teams

AI Automation and Workflow Systems

- AI-powered process automation for repetitive operations
- Custom AI agents for task routing, document review, and decision support
- Business dashboards and automation layers for small teams

Document Intelligence and Computer Vision

- Document extraction, classification, summarization, and records automation
- Manufacturing visual inspection, defect detection, and measurement support
- Image and plan analysis pipelines tailored to customer data

Differentiators

- **Industry-focused AI:** construction, A/E/C, manufacturing, government, and small business workflows.
- **Tailored implementation:** designed around customer documents, data, tools, and process.
- **Reviewable outputs:** built for human review, QA, and traceability.
- **Modular delivery:** start with one workflow, pilot it, then expand.

Government Details

UEI	LXN9AK9MJTS3
CAGE	01U57
SWIFT	VN0001188471_1
Socio-Econ.	Women-owned, minority-owned business
Certs	DBE, WOSB, TG/ED, CERT

NAICS Codes

541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541715	R&D; in Physical, Engineering, and Life Sciences
541614	Process, Physical Distribution, and Logistics Consulting Services

Validation and Past Performance

- **Electrical takeoff beta:** Medina Electrical is testing the lighting workflow; stored feedback says it was used on a large project and was simple to work with.
- **Blueprint estimation:** MN Cup 2026 draft positioned the platform as reducing electrical takeoff time from 3-5 days to about 25 minutes.
- **Manufacturing AI:** prior statement cited 30% defect reduction and 20% efficiency improvement.
- **Small business automation:** prior statement cited 40% productivity improvement and reduced manual workload.

Relevant Markets

Construction | Electrical Contractors |
Engineering | Manufacturing | Government |
Small Business