

UPGRADE & RETROFIT PROJECTS

Modernize Legacy Systems With Confidence

Audit existing installations, identify upgrade paths, and generate retrofit proposals — all from a single DXF upload.

THE RETROFIT CHALLENGE

✗ Unknown Existing Equipment

What's installed? How many devices? Which manufacturer?

✗ Compatibility Questions

Will new cameras work with the existing NVR? What needs replacing?

✗ Scope Creep

"While you're at it, add access control!" derails the entire estimate

THE DESIGN RIGHT AI RETROFIT WORKFLOW

1  **DEVICE TAKEOFF**

Upload as-built DXF, get instant device inventory (312 CAD patterns, 6 trades)

2  **HARVEY AI**

"These are analog cameras from 2015. What's the best IP upgrade path?"

3  **ESTIMATOR HUB**

Side-by-side: keep vs. replace analysis with cost comparison

4  **CREATIVE STUDIO**

Overlay new design on existing site with upgrade highlights

5  **AI REFINEMENT**

"Client wants to keep existing access control, just upgrade cameras" → instant BOM update

6  **PROPOSAL MAKER**

Phased upgrade proposal: Phase 1 cameras, Phase 2 access control, Phase 3 intercom

 **Upgrade Intelligence**

✓ NDAA compliance flagging on existing banned equipment

✓ End-of-life product detection with replacement recommendations

✓ Infrastructure reuse analysis (existing cabling, conduit, racks)

✓ Migration path recommendations (analog→IP, on-prem→cloud)

312

CAD PATTERNS

195K+

PRODUCTS

Instant

AUDIT

See a Live Retrofit Demo at Booth 8122designright.aisales@designright.ai