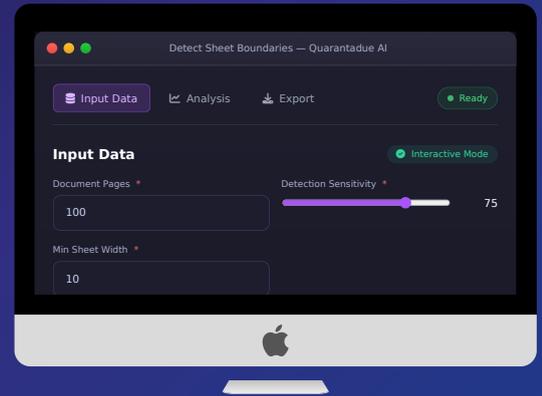


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c Drawings

AI-powered analysis and processing of 2D construction drawings, including plan sets, elevations, sections, and details. Extracts semantic information, symbols, annotations, and geometric data using computer vision and OCR to convert raster and vector drawings into structured, queryable data.

- 1 Drawing Ingestor AI
- 2 Drawing Classifier AI
- 3 Annotation Extractor AI
- 4 Symbol Recognizer AI
- 5 Layer Decomposer AI
- 6 Geometry Parser AI
- 7 Revision Comparator AI
- 8 Automated Redliner AI

c BIM

Processing and enrichment of 3D Building Information Models (BIM) using geometric deep learning. Focuses on extracting object properties, spatial relationships, and model metadata to enable intelligent querying, clash detection, and automated compliance checks against project specifications.

- 9 IFC Revit Parser AI
- 10 BIM Object Classifier AI
- 11 Spatial Graph Constructor AI
- 12 Clash Detection Engine AI
- 13 LOD Validator AI
- 14 Property Enricher AI
- 15 Model Drawing Coordinator AI
- 16 BIM Query Engine AI

c Specs

Natural Language Processing of construction specification documents (e.g., CSI MasterFormat) to identify requirements, materials, performance standards, and test methods. Transforms unstructured spec text into a structured, linkable knowledge base that can be cross-referenced with drawings and submittals.

- 17 Spec Document Parser AI
- 18 Clause Deconstructor AI
- 19 Master Format Organizer AI
- 20 Requirement Extractor AI
- 21 Drawing Cross Referencer AI
- 22 Compliance Rule Generator AI
- 23 Spec Library Manager AI
- 24 Spec Knowledge Graph Builder AI

c Contracts

AI analysis of contract documents (e.g., agreements, general conditions, subcontracts) to identify and assess risk clauses, obligations, key dates, and payment terms. Supports contract abstraction, risk scoring, and automated obligation tracking to mitigate legal and financial exposure.

- 25 Contract Ingestion Parser AI
- 26 Clause Classifier AI
- 27 Obligation Extractor AI
- 28 Risk Clause Analyzer AI
- 29 Party Responsibility Mapper AI
- 30 Change Order Analyzer AI
- 31 Milestone Date Tracker AI
- 32 Contract Abstraction Engine AI

c RFIs

Automated processing and management of Requests for Information (RFIs). Uses NLP to understand RFI content, suggest relevant drawings and specs, recommend responsible parties, and even draft preliminary responses based on historical data and project documentation.

- 33 RFI Ingestion Parser AI
- 34 RFI Classifier AI
- 35 RFI Intent Analyzer AI
- 36 Document Reference Finder AI
- 37 Routing Logic Engine AI
- 38 Response Draft Composer AI
- 39 RFI Deduplicator AI
- 40 RFI Lifecycle Tracker AI

c Submittals

Intelligent processing of submittal packages (shop drawings, product data, samples). Extracts product attributes, compares them against specified requirements, checks for approvals, and automatically populates submittal logs to streamline the review and approval workflow.

- 41 Submittal Classifier AI
- 42 Product Data Extractor AI
- 43 Spec Compliance Checker AI
- 44 Drawing Detail Validator AI
- 45 Approval Workflow Engine AI
- 46 Submittal Log Automator AI
- 47 Cross Reference Linker AI
- 48 Conditional Approval Analyzer AI

c Takeoff

Automated digital quantity takeoff from 2D drawings and 3D models. Uses computer vision and geometric analysis to identify, count, and measure construction elements (e.g., linear feet of conduit, cubic yards of concrete, number of fixtures) for accurate cost estimating and procurement.

- 49 Drawing Ingestion AI
- 50 BIM Quantity Extractor AI
- 51 Plan Measurement Engine AI
- 52 Assembly Decomposer AI
- 53 Unit Normalizer AI
- 54 Takeoff Validator AI
- 55 Estimating Format Exporter AI
- 56 Takeoff Analytics AI

c Compliance

Automated rule-based and ML-driven checking of design documents against applicable building codes, regulations, and project specifications. Flags non-compliant elements for review, providing references to the specific code sections or spec clauses violated.

- 57 Code Parser And Rule Formalizer AI
- 58 Automated Plan Review Engine AI
- 59 Specification Compliance Checker AI
- 60 Accessibility Code Analyzer AI
- 61 Life Safety Code Verifier AI
- 62 Structural Code Compliance AI
- 63 MEP Code Compliance AI
- 64 Compliance Report Generator AI

c As Built

Verification of as-built conditions against as-designed documents. Compares site data (progress photos, laser scans, point clouds, field reports) with original plans and specs to identify discrepancies, track progress, and update as-built documentation automatically.

- 65 Point Cloud Ingestion AI
- 66 Geometric Alignment AI
- 67 Discrepancy Detection AI
- 68 Progress Visualization AI
- 69 Image Progress Tracking AI
- 70 As Built Annotation AI
- 71 Field Report Analysis AI
- 72 Discrepancy Resolution AI

c Closeout

Automated assembly and management of project closeout documentation packages. Extracts and organizes required documents such as O&M manuals, warranties, as-built drawings, test reports, and certificates of occupancy from the project document set.

- 73 Closeout Document Identifier AI
- 74 OM Manual Structuring AI
- 75 Warranty Period Extractor AI
- 76 Certificate Permit Tracker AI
- 77 As Built Drawing Integrator AI
- 78 Closeout Package Assembler AI
- 79 Handover Delivery Coordinator AI
- 80 Closeout Compliance Auditor AI

c Schedule

Linking construction documentation to project schedules (e.g., CPM, Gantt charts). Analyzes progress reports, daily logs, and meeting minutes to assess schedule adherence, predict delays, and automatically update schedule status based on documented milestones and issues.

- 81 Schedule Document Parser AI
- 82 Progress Report Analyzer AI
- 83 Delay Cause Identifier AI
- 84 Milestone Validator AI
- 85 Schedule Status Updater AI
- 86 Critical Path Monitor AI
- 87 Delay Predictor AI
- 88 Schedule Performance Analytics AI

c Safety

AI-driven analysis of safety plans, inspection reports, and site imagery to identify potential hazards and ensure compliance with safety regulations. Flags unsafe conditions, tracks corrective actions, and correlates safety documentation with project activities.

- 89 Safety Plan Parser AI
- 90 Inspection Report Analyzer AI
- 91 Visual Hazard Detector AI
- 92 Incident Trend Analyzer AI
- 93 Compliance Monitor AI
- 94 Corrective Action Tracker AI
- 95 Activity Safety Correlator AI
- 96 Safety Documentation Integrator AI

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