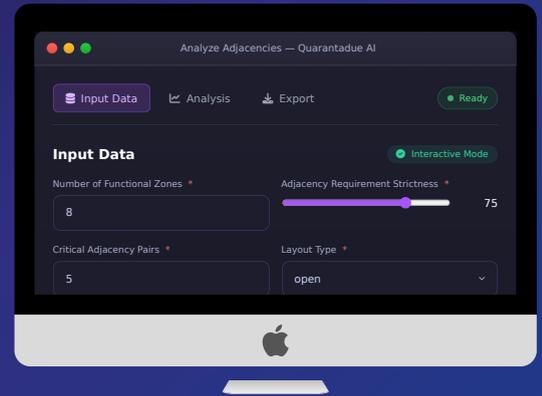


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12 AI Suites · 96 AI Models · 288 AI MCP Tools Build From Specs

f Design

AI for facility planning, design, and retrofit optimization. It applies generative design and simulation to optimize spatial layouts, MEP system integration, and material selection for operational efficiency and sustainability goals.

- 1 Generative Space Planner AI
- 2 BIM Generative Integrator AI
- 3 MEP Generative Optimizer AI
- 4 Energy Modeling Automator AI
- 5 Retrofit Scenario Analyzer AI
- 6 Code Compliance Checker AI
- 7 Lifecycle Cost Simulator AI
- 8 Digital Twin Creator AI

f Commissioning

AI for continuous and automated commissioning of building systems. It focuses on verifying and tuning system performance post-construction or retrofit to ensure designs are realized and optimal baselines are established.

- 9 Functional Test Automation AI
- 10 Baseline Model Calibrator AI
- 11 Control Sequence Optimizer AI
- 12 Fault Detection Diagnostics AI
- 13 System Performance Benchmarking AI
- 14 Measurement Verification Analytics AI
- 15 Interoperability Verifier AI
- 16 Continuous Tuning Agent AI

f BEMS

AI for next-generation Building Energy Management Systems. It leverages real-time data and predictive models to dynamically optimize HVAC, lighting, and plug loads for energy efficiency, cost, and grid flexibility.

- 17 Building Thermal Modeling AI
- 18 HVAC System Identification AI
- 19 MPC Optimization Engine AI
- 20 Demand Response Orchestrator AI
- 21 Real Time Energy Disaggregation AI
- 22 Short Term Load Forecaster AI
- 23 Renewable Generation Coordinator AI
- 24 Grid Signal Integrator AI

f AFDD

AI for Automated Fault Detection and Diagnosis in building systems. It uses machine learning to identify, classify, and prioritize faults in HVAC, refrigeration, and other mechanical systems from sensor data.

- 25 Sensor Data Ingestion Preprocessing AI
- 26 Rule Based Fault Detection AI
- 27 Anomaly Detection Modeling AI
- 28 Fault Classification Prioritization AI
- 29 Root Cause Analysis Engine AI
- 30 Diagnostic Advisory Generator AI
- 31 Work Order Integration Automation AI
- 32 Chiller Plant Optimization Advisor AI

f CMMS

AI-enhanced Computerized Maintenance Management Systems. It transforms reactive work orders into intelligent, predictive maintenance scheduling, resource allocation, and inventory management.

- 33 Asset Health Monitor AI
- 34 Predictive Trigger Engine AI
- 35 Risk Based Prioritizer AI
- 36 Technician Dispatch Optimizer AI
- 37 Spare Parts Forecaster AI
- 38 Maintenance Analytics Engine AI
- 39 Resource Capacity Planner AI
- 40 Compliance Integrator AI

f IEQ

AI for monitoring and optimizing Indoor Environmental Quality. It balances occupant health, comfort, and productivity with energy efficiency by managing thermal, air quality, visual, and acoustic parameters.

- 41 Occupant Comfort Profiling AI
- 42 Thermal Zone Optimizer AI
- 43 IAQ Monitor Predictor AI
- 44 Adaptive Ventilation Controller AI
- 45 Visual Comfort Manager AI
- 46 Acoustic Environment Regulator AI
- 47 Occupant Feedback Integrator AI
- 48 IEQ Holistic Balancer AI

f Space

AI for dynamic space utilization and occupancy intelligence. It optimizes the use of physical space for efficiency, experience, and flexibility through real-time sensing and predictive analytics.

- 49 Occupancy Sensor Fusion AI
- 50 Space Utilization Analytics AI
- 51 Dynamic Hot Desk Optimizer AI
- 52 Meeting Room Orchestrator AI
- 53 Occupancy Forecaster AI
- 54 Density Compliance Monitor AI
- 55 Adaptive Space Planner AI
- 56 Experience Optimization Engine AI

f Safety

AI for proactive safety, security, and emergency management. It uses computer vision and sensor fusion to detect hazards, manage access, and simulate responses to incidents.

- 57 Hazard Vision AI
- 58 Perimeter Guard AI
- 59 Crowd Dynamics AI
- 60 Fire Smoke Analytics AI
- 61 Egress Simulator AI
- 62 Dynamic Signage Control AI
- 63 Threat Risk Assessor AI
- 64 Sensor Fusion Engine AI

f Sanitation

AI for optimizing cleaning, hygiene, and waste operations. It data-drives schedules, resource allocation, and routes for janitorial services and waste handling to improve efficiency and hygiene standards.

- 65 Occupancy Usage Monitor AI
- 66 Predictive Cleaning Scheduler AI
- 67 Waste Fill Level Optimizer AI
- 68 Collection Route Planner AI
- 69 Hygiene Compliance Auditor AI
- 70 Water Usage Intelligence AI
- 71 Sanitation Resource Forecaster AI
- 72 Hygiene Risk Mapper AI

f Capital

AI for strategic capital planning and asset lifecycle management. It predicts long-term capital needs by forecasting asset deterioration, remaining useful life, and total cost of ownership.

- 73 Visual Condition Inspector AI
- 74 Asset Health Forecaster AI
- 75 Lifecycle Cost Simulator AI
- 76 Capital Project Prioritizer AI
- 77 Budget Scenario Modeler AI
- 78 Deterioration Predictor AI
- 79 Replacement Scheduler AI
- 80 Strategic Capital Planner AI

f Compliance

AI for automating regulatory compliance and sustainability reporting. It ensures facilities meet codes, health standards, and green building certifications through continuous monitoring and document generation.

- 81 Certification Data Aggregator AI
- 82 Indoor Environmental Monitor AI
- 83 Energy Benchmark Engine AI
- 84 Compliance Document Generator AI
- 85 Regulatory Change Tracker AI
- 86 Audit Readiness Simulator AI
- 87 Sustainability Metric Calculator AI
- 88 Compliance Gap Visualizer AI

f Integration

AI for data fusion and interoperability across the facility technology stack. It creates a unified data layer from siloed systems (BMS, IoT, CMMS, GIS) to enable holistic analytics and control.

- 89 Semantic Normalization Engine AI
- 90 Digital Twin Data Backbone AI
- 91 Cross System Anomaly Correlator AI
- 92 Federated Learning Orchestrator AI
- 93 Interoperability API Manager AI
- 94 Spatial Temporal Fusion Core AI
- 95 Unified Event Ingestion Pipeline AI
- 96 Holistic Analytics Query Engine AI

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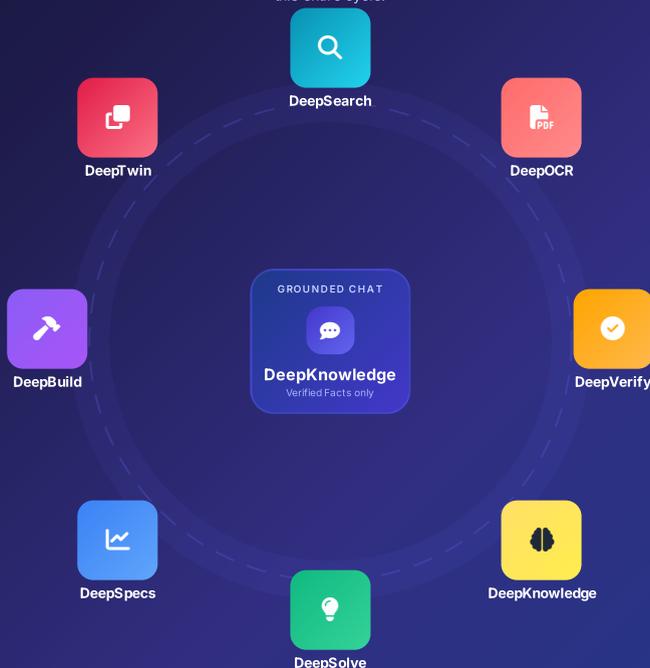
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Chief Facility Management Engineer



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