UltraWis

SMART CRANES. DIGITAL JOBSITES.

Crane operations management is one of the most challenging aspects of construction.
Limited visibility, inefficient coordination, safety risks, and the lack of real-time data hinder productivity and increase operational costs.

Crane Operator Screen

Mobile Application



UltraWis ADAS

(Advanced Driver Assistance System)

is an all-in-one solution

that integrates computer vision, AI, collision avoidance, and real-time data analytics.

UltraWis ADAS enhances safety, reduces project risks, and lowers costs, making crane operations smarter and more efficient.

CHALLENGES

Crane operations in construction sites are often slowed down by limited visibility, inefficient coordination, and high safety risks. Operators struggle with blind spots and rely on outdated communication methods, leading to delays and human errors. Site managers face additional challenges in scheduling and monitoring crane activity, often lacking real-time insights to optimize workflow. The disconnect between crane operators and site management results in inefficiencies, increased costs, and potential safety hazards. UltraWis bridges this gap with advanced technology that enhances visibility, automates coordination, and ensures seamless communication between operators and site managers, making jobsite operations smarter, safer, and more efficient.

THE SOLUTIONS

UltraWis solves these challenges with its advanced ADAS (Advanced Driver Assistance System), designed specifically to modernize crane operations and site management.

Our ADAS-powered solution delivers:

Enhanced Visibility

Multiview cameras provide clear visibility and real-time crane data overlay

Seamless 3D Anticollision

Integrated 3D anticollision and no-fly zone capabilities.

EN17076 Certified

Smart Task Summoning

Digital, integrated crane task summoning system connects operators with on-ground teams

Site Management Optimization

Empowers site managers with real-time jobsite insights from a single centralized platform

THE TECHNOLOGY

CRANE OPERATORS

Multiview Cameras & Real-Time Crane data Overlay

High-resolution multiview cameras provide full visibility of crane surroundings

3D Anticollision & No-Fly Zone System

Integrated 3D collision avoidance technology, preventing crane-to-crane clashes and enforcing no-fly zones

EN17076 Certified

Digital Task Summoning

An intuitive task summoning interface enables seamless communication between crane operators and ground teams

Automated Safety Alerts

The system actively monitors environmental and operational conditions, providing instant alerts about high winds, overloading, or hazardous situations



Crane Operator Screen



Trolley Camera



SITE MANAGEMENT

Live Dashboard & Digital Twin

A real-time, top-down view of crane operations and site activity

Smart Task Scheduling & Summoning

Advanced scheduling tools automatically optimize crane workflows, reduce idle time, and maximize crane utilization

Real-Time Environmental Monitoring

Continuous tracking of wind conditions and load weights

Crane Utilization & Data Analytics

Every lift is logged, analyzed, and visualized in detailed reports, giving managers actionable insights

Automated Performance Reporting

Comprehensive, automated cranes performance reports

UltraWis SMART CRANES. DIGITAL JOBSITES.

Benefits of UltraWis

Improved Safety
Reduces collision risks and enhances visibility, ensuring a safer working environment for operators and site personnel

Higher Efficiency & Productivity
Smart automation streamlines crane operations, minimizes downtime, and optimizes lift execution

Data-Driven Decision Making
Real-time analytics provide site managers with actionable insights for better planning and resource allocation

Remote Monitoring & Control
Enables site supervisors to oversee crane operations remotely, improving situational awareness and operational oversight

EXPERIENCE THE FUTURE OF CRANE OPERATIONS TODAY.

UltraWis is redefining jobsite efficiency with cutting-edge technology that ensures safer, smarter, and more productive construction projects

UltraWis

Contact us for a live demo and see how UltraWis can transform your operations.

Visit us at www.ultrawis.com | info@ultrawis.com | support@ultrawis.com