KUARTIS

AUTONOMOUS HAULAGE SOLUTIONS



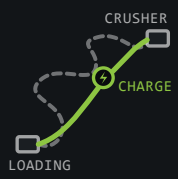
**KUARTIS AHS**

# Smarter Haulage. Less Energy. Safer Sites.

Kuartis AHS runs electric haul fleets autonomously: **optimized dispatch, smoother driving, lower upkeep and remote oversight.**

## WHERE AUTONOMY MAKES THE DIFFERENCE

---- CONVENTIONAL HAULAGE — KUARTIS AHS




01 ENERGY & EMISSIONS

High fuel use, $CO_2$ emissions

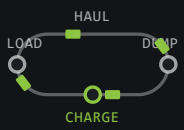
→ **Optimized routes, autonomous driving**




02 TIRES & WEAR

Harsh driving, frequent tire changes

→ **Steady driving, lower maintenance**




03 OPERATIONS

Manual coordination, idle queues

→ **Autonomous dispatch, smart task allocation**




04 SAFETY

People in the risk zone

→ **Remote oversight**

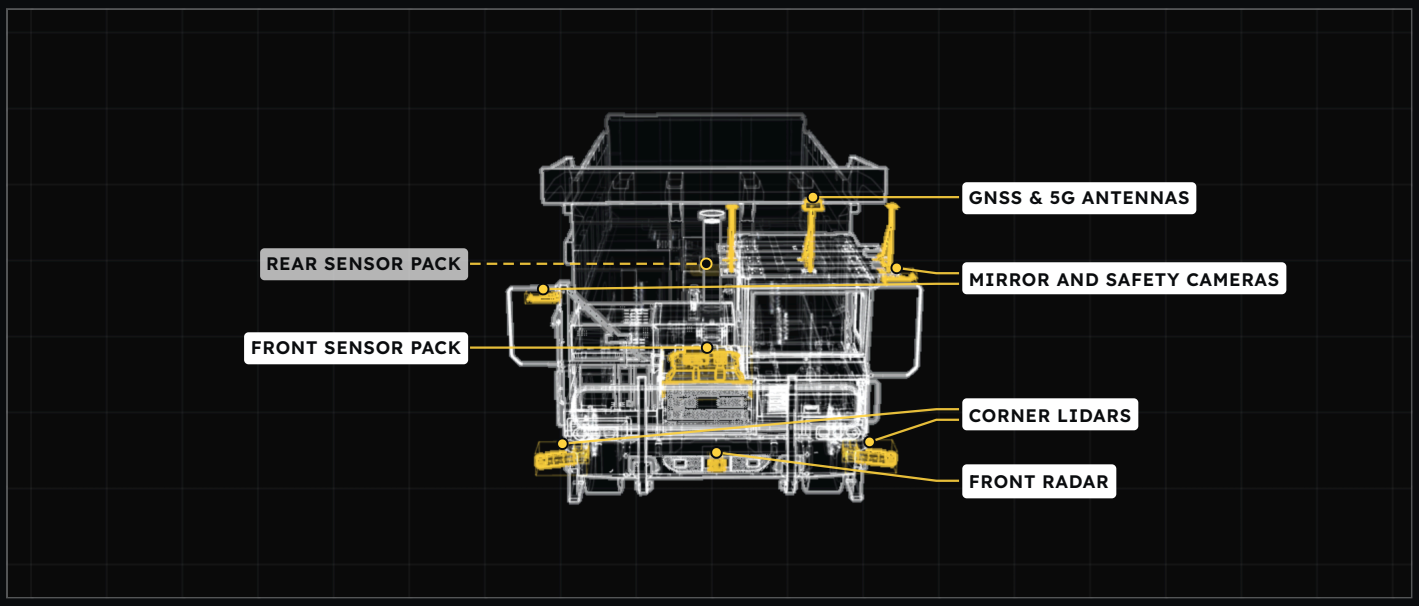
**Not a new fleet — a new capability.** Your existing trucks, retrofitted for autonomy.

KUARTIS

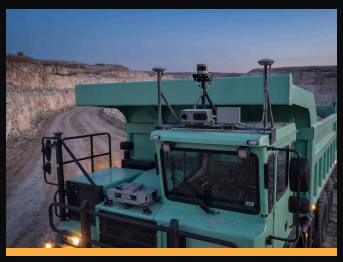
KUARTIS AHS · ONE SYSTEM

# One connected haul cycle.

PLAN → DISPATCH → NAVIGATE → MONITOR → INTERVENE




## FOUR COMPONENTS, ONE SYSTEM



01 · ONBOARD AUTONOMY

### KILAVUZ.AI™ Autonomy Core

Perception, Localization, Planning and Control



02 · FLEET MANAGEMENT

### Intelligent Dispatcher

Mission Planning, Task Assignment, Decision Support



03 · REMOTE ASSISTANCE

### Overwatch Remote Driving System

Remote Takeover, Vehicle Monitoring, Advanced Driver Assistance

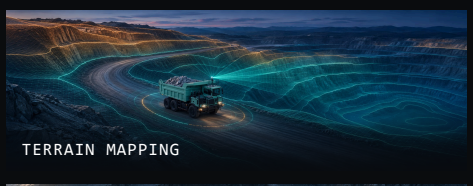


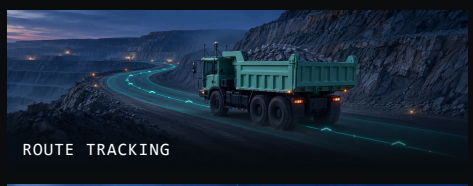
04 · FIELD OPERATIONS

### Field Operations System

Connected Field Team, Real-time Support, Alerts & Warnings

## CAPABILITIES
















KUARTIS

KUARTIS, an AI company creating technology that makes machines see • comprehend • act

www.kuartis.com · info@kuartis.com

Üniversiteler Mah. Silikon Blok, Kat 1 No: 17/1-101
ODTÜ Teknokent, 06800 Çankaya / Ankara