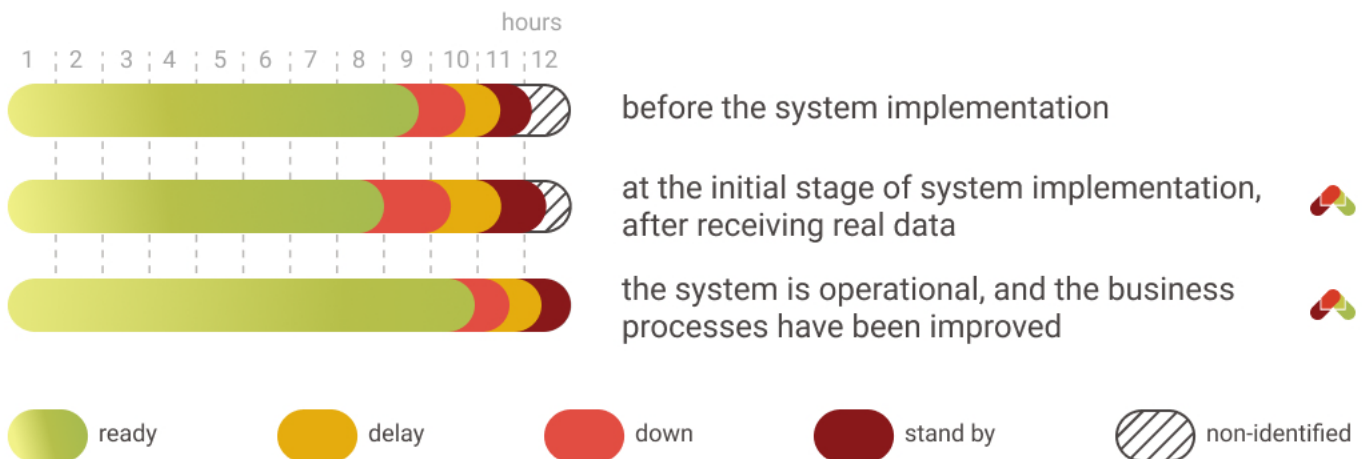


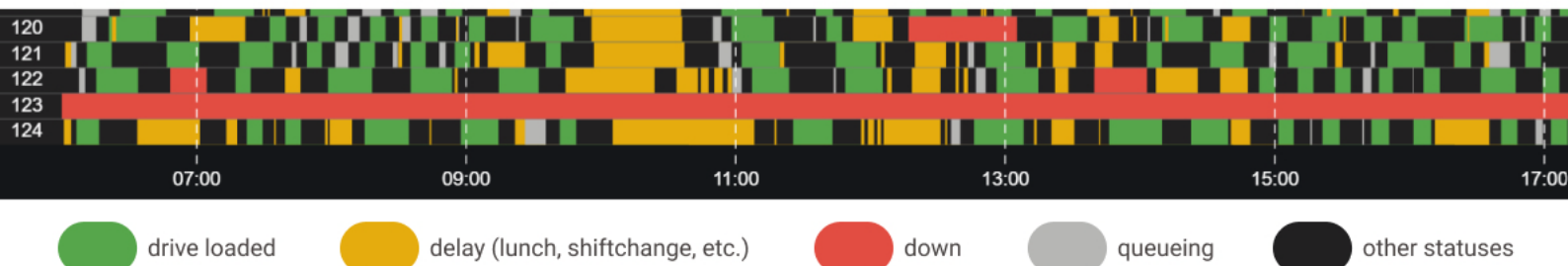
PURPOSES

- Reducing truck downtime and increasing equipment utilization rates through automated monitoring, improved personnel discipline, and management of scheduled downtimes
- Improving the efficiency of the haulage cycle through automated truck assignment management to achieve planned targets
- Automated material blending, reducing instances of incorrect arrivals at dumping locations
- Reducing costs through monitoring actual loading, decreasing fuel consumption, and increasing tirelife

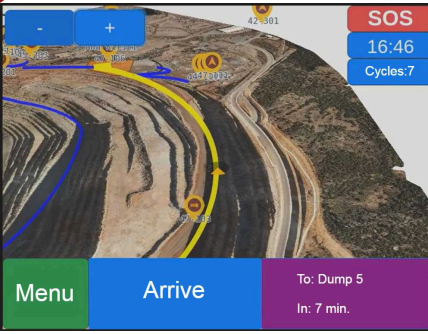
Trucks calendar time distribution



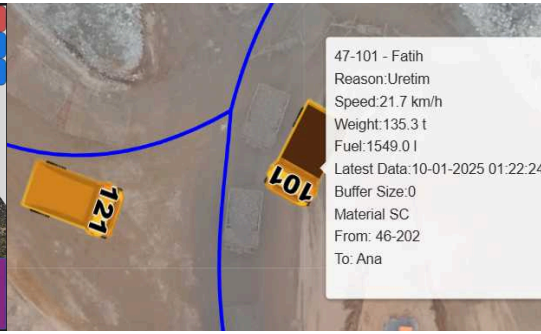
TRUCKS CYCLOGRAM



AUXIL INTERFACE



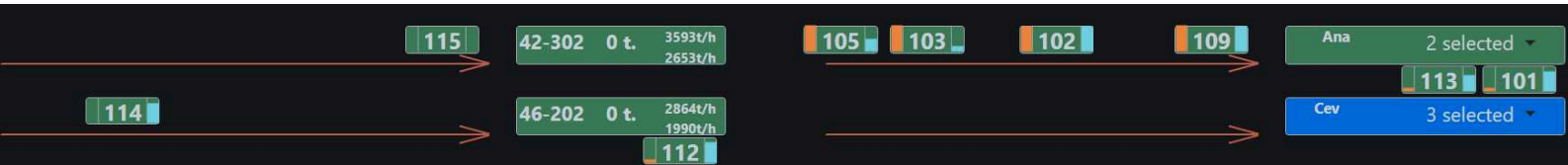
Truck operator



Dispatcher



Truck operator

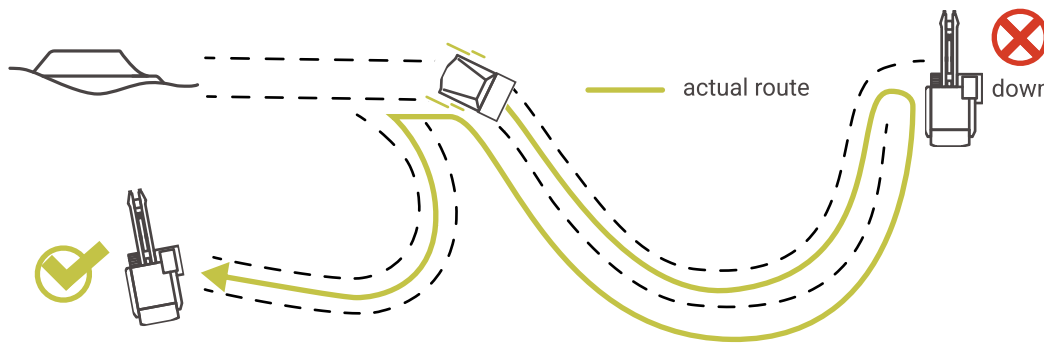


The dispatcher managing the movement of trucks to excavators and unloading points



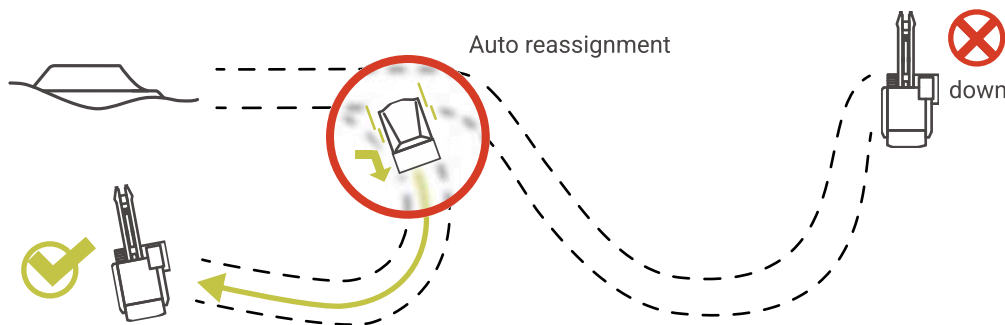
Monitoring and management in real-time

REASSIGNMENTS FROM AN UNAVAILABLE EXCAVATOR



If the excavator is unavailable, the truck will experience undesirable empty travel

No system



With AUXIL

The system will recalculate the current optimal assignments for trucks if an excavator becomes unavailable



Automatic data collection and analytics

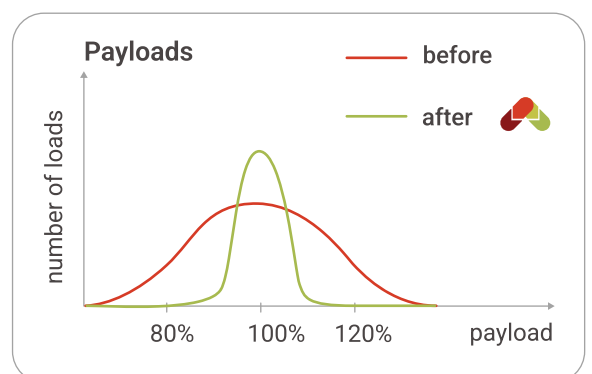
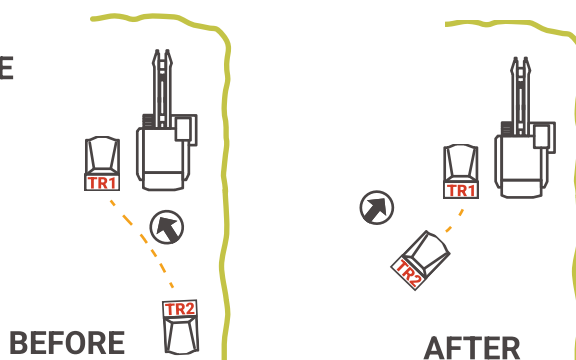


Any kind of downtime will be recorded



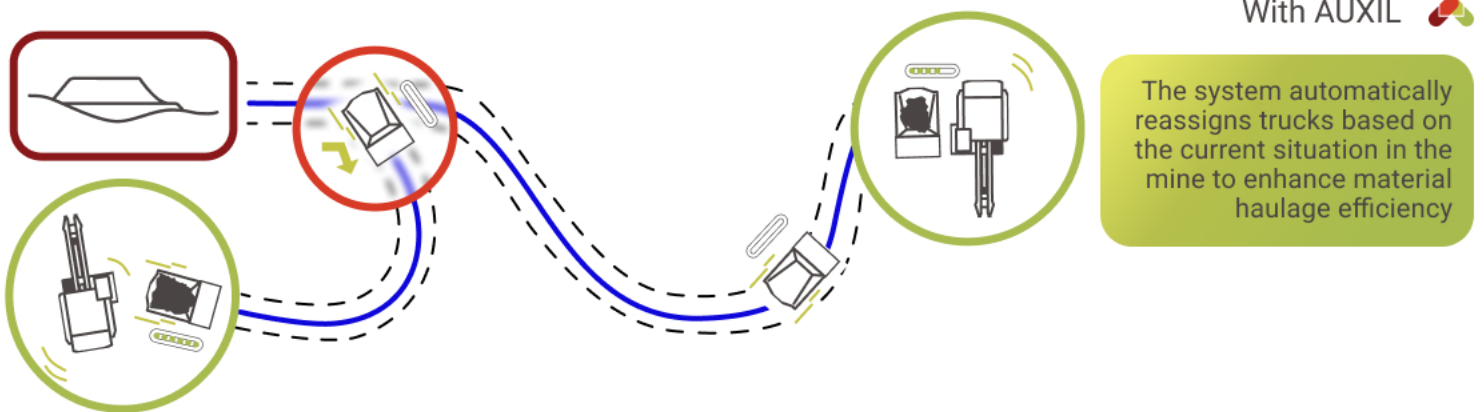
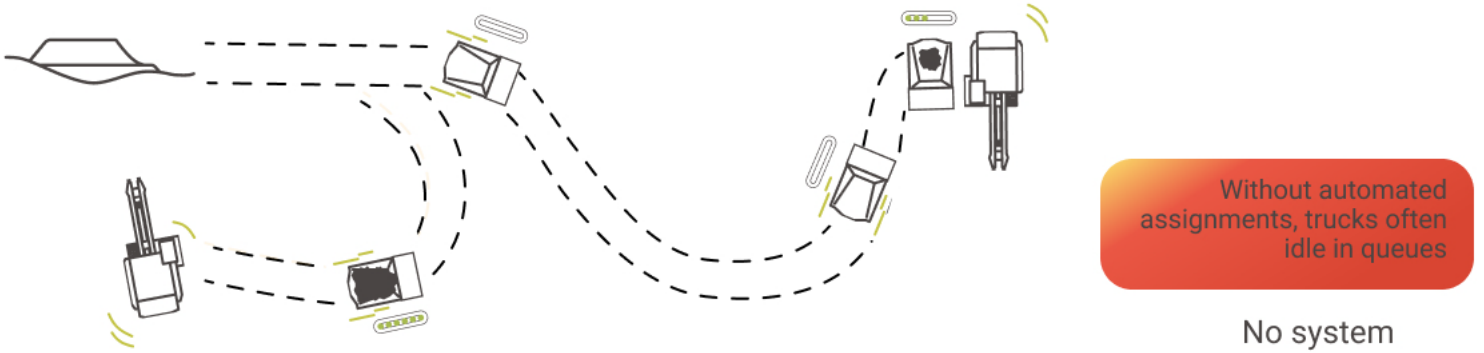
Remote payload control

SHORTER SPOTTING TIME



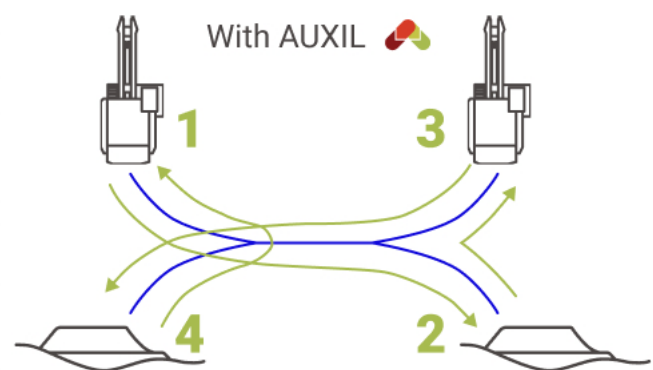
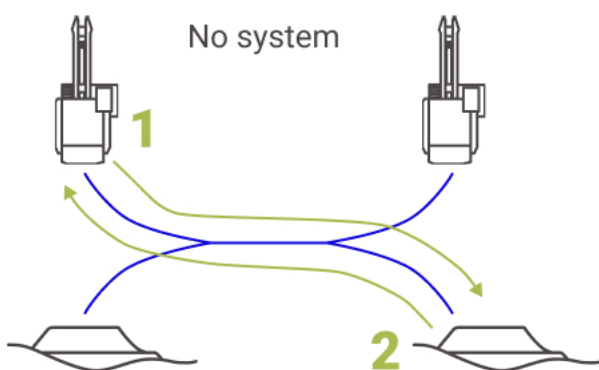
REASSIGNMENTS TO ELIMINATE QUEUES

- ➔ The reassignment algorithm operates in all possible scenarios occurring in the pit
- ➔ Management of truck operations both in the haulage cycle and during downtimes



EMPTY RUNNING KPI

- ➔ The distribution of trucks based on priorities and automatic reassignments will reduce empty mileage

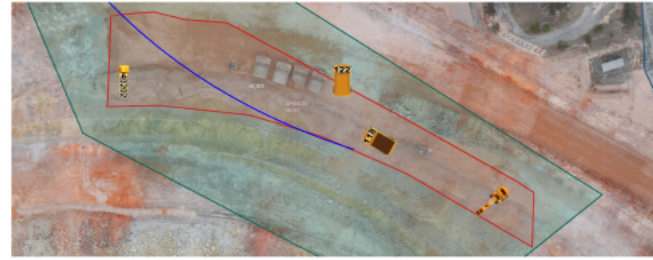




Route compliance will be monitored by the system instead of a human. The system will notify the dispatcher of any deviations in the haul truck routes and log these deviations into the database



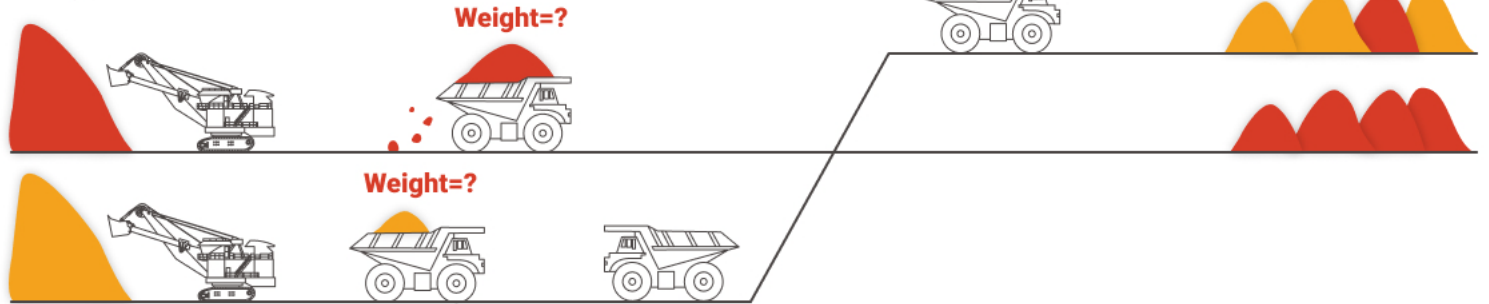
To improve the efficiency of truck payload utilization, data from weighing systems will be used. This will reduce the number of overloads and underloads



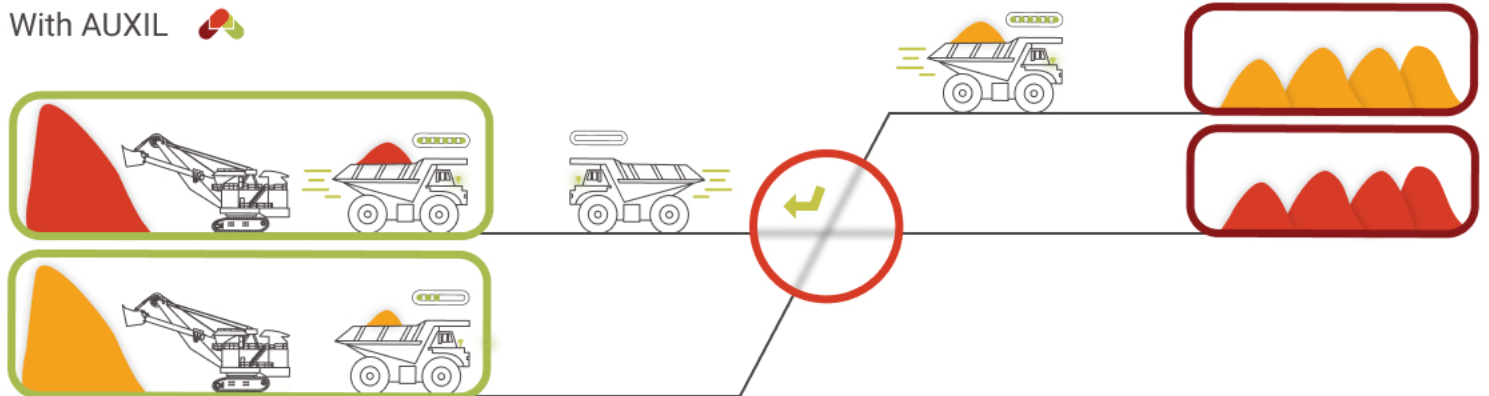
Mine map with equipment and locations

ROUTES. MATERIALS MANAGEMENT

No system



With AUXIL 



COMPONENTS

- Equipment with IP65 protection rating and vibration protection - onboard computer, antennas.
- Wi-Fi, LTE, 5G support.
- Integration with onboard systems of trucks for reading the telemetry and performance indicators.
- Software for the server and the onboard devices.



Hardware on the unit



Server



Clients

MINING ART

- **Availability** - We use hardware in our solutions that are openly available on the market, which reduces the overall project cost and simplifies subsequent maintenance.
- **Reliability** - All equipment comes with a manufacturer's 1-2 years warranty. Our software meets 99.9% SLA requirements.
- **Flexibility** - Our software is open to modifications tailored to your business needs. You can make adjustments independently.
- **Transparency** - Forget about subscription fees for technical support and services. You pay for the provided services only.
- **Experience** - We've been in the industry for nearly 10 years and deliver results, not just systems.