

SERVICES

Our services are broken into two main categories:

1. AHS Deployment support:

With a holistic approach, we are able to coach teams through the confusing and critical transitions across operational readiness, implementation and ensuring long-term sustainability.

Our support for AHS deployments starts before the first truck is released to auto.

We provide complete practical knowledge transfer to all staff levels by collaborating with a mining company to review and build robust, efficient AHS mining process that are proven to work.

Our extensive experience allows us to quickly assess AHS training quality, and complete gap analyses of the AHS key roles to highlight areas of opportunity.

Our AHS mine specific design best practices and operating methods improve departmental operational knowledge and expertise quickly.

We can provide advanced level AHS Central Controllers for labor hire to fill gaps during peak times or support a developing autonomous site to rapidly build in house skills.

Our controllers seamlessly integrate into any team and will impart a huge amount of knowledge to any AHS mine that will produce quantifiable results.

2. AHS Safety & Performance Improvements:

We pride ourselves on building robust, effective and innovative improvement initiatives targeting both safety & performance that continue to deliver results for our clients long term.

Our expertise includes:

Improvement and performance coaching focusing on individual AHS proficiency for all departments

AHS mining process reviews and development, including AHS operational practices

Full operational gap analyses and expert guidance to remove inefficiencies across both load and haul tasks

Technical documentation writing and personalised training package creation

Mine design and virtual road network audits providing quantifiable optimization recommendations

Advanced industry leading:

- Road network design improvements
- Crusher and dump design and management optimization

All designs are simulated to guarantee cycle time improvements and increases in effective utilization of the autonomous fleet



Capability Statement

THE TEAM

We are all fully committed to the optimisation of Autonomous Haulage Systems in the mining industry

Driven, Passionate subject matter experts in all areas of autonomous mining. We have had extensive experience creating end user AHS performance and safety projects to reduce and eliminated costly inefficiencies and create unique programs that support and improve daily operations. The team are all end users for these systems, and we know what works and what is just noise.



WHO ARE WE

At Absolute Autonomous, we are committed to helping companies unlock exceptional performance from their Autonomous Haulage Systems.

Our performance consultants and high-level SMEs are all passionate, advanced end users of Autonomous Haulage Systems and bring decades of experience. Being highly proficient in every aspect of AHS operational requirements, we provide our clients with the tools and resources required to achieve maximum safety, efficiency and productivity. We specialise in the intersection of human interaction with technology functionality.

AHS Performance through operation knowhow is what we do!

We provide professional services to AHS mining companies who are looking to improve their safety and performance. We are long standing subject matter experts with autonomous haulage operating platforms. Our history and strengths are in AHS operational optimisation and extracting value through our three-pillar approach.

1. AHS Mining Processes
2. Skills & Knowledge
3. Culture

We know how to optimise AHS operations to unlock real performance potential and improve a company's bottom line.

Absolute Autonomous is an international company with offices in Chile, Singapore and Australia. Our AHS performance experts are based in Chile, Canada and Australia.

We comfortably work in some of the most remote, isolated and challenging areas in the world including the heights and cold of the Andes mountains, the desolation and extremes of the Atacama Desert, the remoteness and extremes of the Australian Pilbara.



Absolute Autonomous has been directly involved with over 19 successful AHS deployments and many more version upgrades in both Australia, Canada and Chile.

Our AHS experts provide support, coaching and guidance to mining companies through AHS deployments with practical knowledge transfer producing sustainable and tangible results.

-  Support AHS deployments by providing the tools and resources required for a seamless transition
-  Develop robust, productive AHS mining processes and tools that will generate proven value
-  Review AHS training, complete gap analysis of the AHS key roles to highlight areas for focus
-  Coach AHS mine specific design best practices and operating methods
-  Provide on-going support with AHS Mate: A dedicated AHS performance platform & auditing tool to improve fleet performance through practical, proven analyses improvements



THE AHS EUoA JOURNEY

STEP 1 75-80% EUoA

- Build KPIs and daily meeting content
- Key AHS roles are established
- Productivity components are being trained in key roles
- Update and utilize correct reports for review daily
- Key Role start of shift checklist and setup
- Road Network audit process

STEP 2 80-83% EUoA

- AHS Mining process review
- Payload competition
- Key role shift tracking
- Patroller & Controller Handover
- AHS design standards document

STEP 3 83-85% EUoA

- Patroller ownership of fleet
- Shift-change optimization
- Dump management optimization
- Site and Central Control daily review of fleet efficiency
- Daily Plan review for optimization
- Operator training for delay management

STEP 4 85+% EUoA

- Patroller ownership of fleet
- Shift-change optimization
- Dump management optimization
- Site and Central Control daily review of fleet efficiency
- Daily Plan review for optimization
- Operator training for delay management



The team at Absolute Autonomous are proud to introduce AHS Mate

Developed collaboratively, AHS Mate is a new and exciting platform allowing mine sites to analyse and generate Autonomous Haulage performance solutions in-house, in real time. Unlocking and quantifying your full potential production uplift has never been easier. Features include AHS operational process management, optimal daily "value adding" core work insights, virtual road network auditing outlining potential improvements and uplift, and AHS performance recommendations tailor made to your mine site. This is a first for the AHS Mining Industry and is a culmination of decades of tried & tested solutions, experience and learning. AHS Mate is now available on a simple, accessible mobile platform for every AHS Professional to utilise.

