



eXcellerate

Service Offerings

Autonomous Haulage Systems



Innovation meets efficiency:
Autonomous
Expertise Delivered

Why Choose Us?

“We offer a unique ‘in-house’ combination of both Field and Operations Control expertise in one seamless offering, covering the full spectrum of AHS considerations”.

Engaging industry veterans with hands-on experience in mining autonomy, empowers your company to maximise the benefits of autonomous haulage.

Whether you’re considering a Greenfields opportunity, transitioning from conventional manual architecture or seeking to optimise an existing autonomous fleet in a Brownfields environment, we have you covered. Our seasoned consultants offer invaluable insight into best practices, site-specific adaptations and technology integration, ensuring that Productivity, Safety and ROI remain top priorities. Knowledge of real-world challenges combined with proven solutions, helps avoid costly trial-and-error exercises, speeding up deployment and improving ongoing performance.

With the right Autonomy experts guiding your strategic or tactical roadmap, you can confidently streamline processes, mitigate risks and unlock the full potential of an advanced autonomous operation.

VALUE THAT STACKS UP

At eXcellerate, our ability to provide the most efficient and latest industry expertise in AHS applications, regardless on where you are on your Autonomous Haulage journey is what sets us apart. Our service offering includes:

Vendor Selection and Contract Management

We address the critical phase of technology and vendor selection by guiding you to identify and evaluate Original Equipment Manufacturers (OEMs) that best meet your operational needs. We conduct a thorough assessment of your existing set-up and long-term objectives, reviewing both agnostic Fleet Management System (FMS) options and OEM-integrated solutions to determine the ideal fit for your business.

In addition, we evaluate your current contractor support models for overall effectiveness, ensuring alignment with operational requirements. Beyond vendor selection, we help refine contracts to ensure terms, conditions, and service levels mesh effectively with your operational goals and budgetary requirements. Drawing on our expertise in pricing structures and contract negotiations, our services support you to secure effective agreements that offer clear cost visibility at minimal risk.

Finally, we collaborate with both your team and chosen vendors to develop a practical implementation plan, complete with defined deployment timelines, infrastructure readiness and availability—ensuring minimal disruption and a successful, on-time transition to your new or upgraded technology.

Mine Control Optimisation

Mine control performance is at the core of overall Autonomous Haulage effectiveness. A well-structured control room, anchored by clearly defined roles, responsive behaviours and effective workflows underpin optimal outcomes. Our Mine Control Optimisation offering ensures correct set-up, compliance to plan, rapid reactions to unplanned events and robust backup strategies minimising disruptions to autonomous truck operations.

Beyond these operational essentials, we conduct detailed Mine Control Assessments and Gap Analysis, ensuring your team have appropriate resources, training, capabilities and knowledge to reach operational targets on a shift-to-shift basis.



People Development for sustainable results is at the heart of eXcellerate's vision, and where required, we provide tailor made coaching and mentoring programs for your team, so each team member is fully equipped to make the right decisions, at the right time unlocking the full potential of your Autonomous mining operations.

Mine Planning and Road Design

By leveraging our expertise in Autonomous Haulage Mine Layouts and Haul Road Design, eXcellerate supports our clients to optimise performance, ensuring safe and efficient operations, while accounting for OEM functionality and constraints. Our recommendations into designs for maintaining road widths, support Maximum truck speeds and incorporate features such as slip lanes, enhancing operational flow. By aligning mine requirements with OEM parameters, we minimise truck disruptions and speed impacts.

Through strategic planning and design, your Autonomous Mine can achieve peak performance, seamlessly integrating mine planning and operations

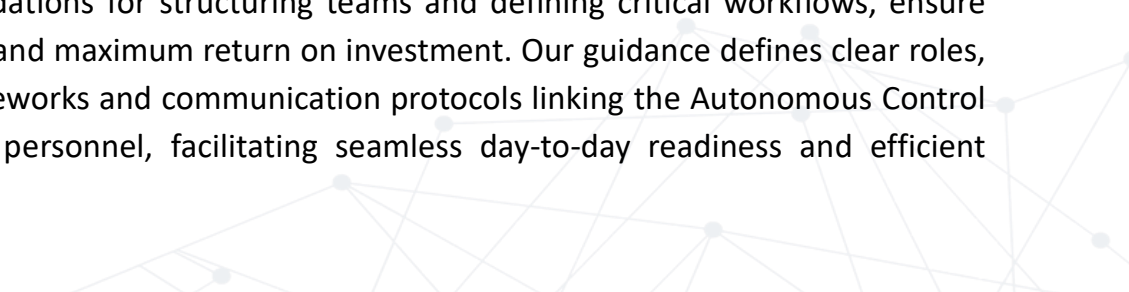
Infrastructure and Network Design

eXcellerate offer's strategic recommendations to support the establishment of robust and scalable network foundations for your Autonomous Haulage System (AHS). Drawing on our extensive experience with diverse technologies such as Wi-Fi mesh networks and LTE, we connect you with proven vendors that excel in the Autonomous space. Working closely with industry-proven partners we facilitate alignment with your operational requirements and long-term growth plans.

In addition, we provide expert guidance on network monitoring, RF planning and the optimal placement of key on-site infrastructure such as fuel bays, maintenance facilities and calibration pads to minimise disruptions. Combining industry insights with the expertise of top-tier vendors, you gain a tailored, future-ready solution supporting safe, reliable and efficient AHS performance.

Team Structure and Workflows

Leveraging decades of expertise in Autonomous mining operations, eXcellerate provide's tailored recommendations for structuring teams and defining critical workflows, ensure minimal disruption and maximum return on investment. Our guidance defines clear roles, accountability frameworks and communication protocols linking the Autonomous Control Team to key Field personnel, facilitating seamless day-to-day readiness and efficient handovers.





Autonomous Haulage implementation differs substantially from fully staffed setups, making it crucial to align specialised oversight with consistent performance metrics that truly move the needle. By employing our tried-and-tested structures and routines, you can bypass costly trial-and-error phases, reducing operational risk and maintaining momentum in performance improvements. This approach involves best practice methods for recruitment of the right talent and integration of departmental needs—ultimately minimising bottom-line impact, while driving sustainable success in Autonomous Haulage.

Safe Work Instructions, Training Content Delivery and Review

Safe work instructions and comprehensive training programs are critical to the success of any Autonomous mining operation. Whether your company requires a complete set of recommended safe work instructions or an audit of existing procedures, eXcellerate provides expert insight, ensuring both safety and productivity are maintained, while maximising the capability of your Autonomous Haulage System.

Beyond developing or reviewing safe work instructions, we also offer tailored recommendations for training content to address the unique demands of Autonomous technology. This includes a thorough review of current control room and operational staff proficiency levels, followed by a clearly defined pathway for skills enhancement. By leveraging optimisation trainers and best-practice frameworks, we support your workforce to gain confidence, competence and readiness to understand and effectively execute their role in maintaining safe and efficient Autonomous operations.

System Performance Optimisation

eXcellerate's System Performance Optimisation service focuses on reviewing and fine-tuning critical supervisor settings, parameters and OEM system configurations, unlocking the full potential of your Autonomous mining operations.

By analysing current set-ups against industry best practices, we identify performance gaps and provide targeted recommendations to drive efficiency, reliability and productivity. In addition, we ensure that each role has the appropriate system functionality, enabling your workforce to operate with clarity and accountability. This holistic approach aligns every system adjustment with your operational goals.



HOW WE DO IT

1. DISCOVER

Boots on the ground, combined with effective data analytics, are critical for identifying opportunities to improve operational efficiency and increase profitability. We come to you; to get to know your site(s), your people, your equipment, your processes and understand your goals.

2. DEVELOP

We know that collaboration is key in the achievement of effective and sustainable change. Working in partnership with your team(s), we ensure new strategies and systems are developed holistically and adopted effectively and safely. We actively promote open, two-way communication and knowledge sharing, so that together we can achieve the best outcomes with confidence.

3. EMBED

Our highly skilled team has extensive experience in driving and implementing comprehensive change management initiatives to support and ensure sustainable transformation within your organisation

UNLOCK YOUR OPERATIONAL EXCELLENCE

At eXcellerate, we don't just offer solutions; we deliver transformation. Our success is directly tied to yours – it's that simple. We apply the same critical thinking to your business that we do to our own. We take pride in knowing that our unique blend of industry expertise and cutting-edge data technology enables you to streamline your operations, grow, and innovate continuously.



eXcellerate your ambitions

Discover how partnering with us can transform your operations.

Contact us for a consultation today.

info@excellerate.co
+61 419 572 570