10 STEP PLAN

Steps for successful EV deployment in mining

MEVCO

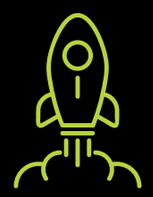
Seamlessly transition to EVs with our 10-Step Plan

Transitioning to BELVs* can boost sustainability and operational efficiency in mining. Our Service and Support team has developed a structured Deployment Plan, working through four key stages to guide you every step of the way. This 10-point summary offers a simplified overview of the process, making your shift from internal combustion vehicles to electric solutions smooth and straightforward.

Explore our 10-Step Plan to seamlessly transition to EVs in your mining operations.

Communication & Requirement Gathering

Scope and assessment



Implementation

Ongoing Support

* Battery Electric Light Vehicles (BELVs)

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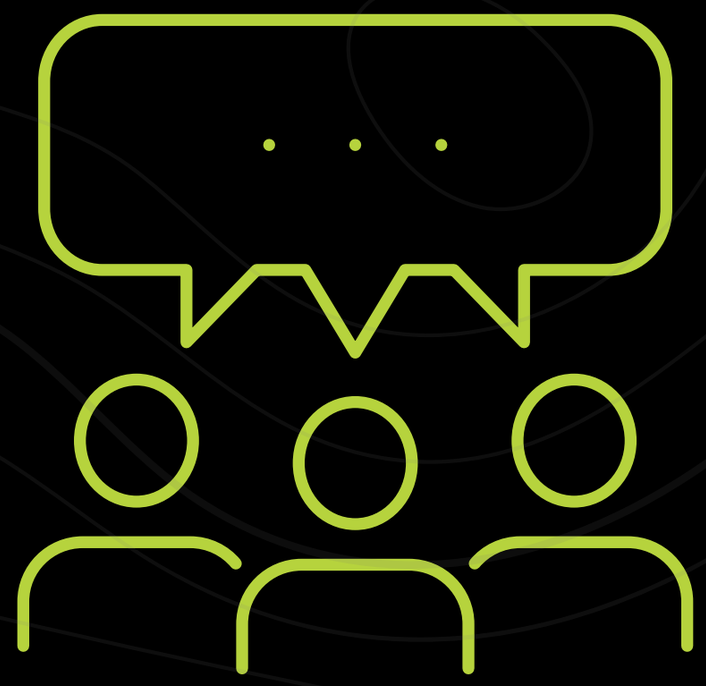
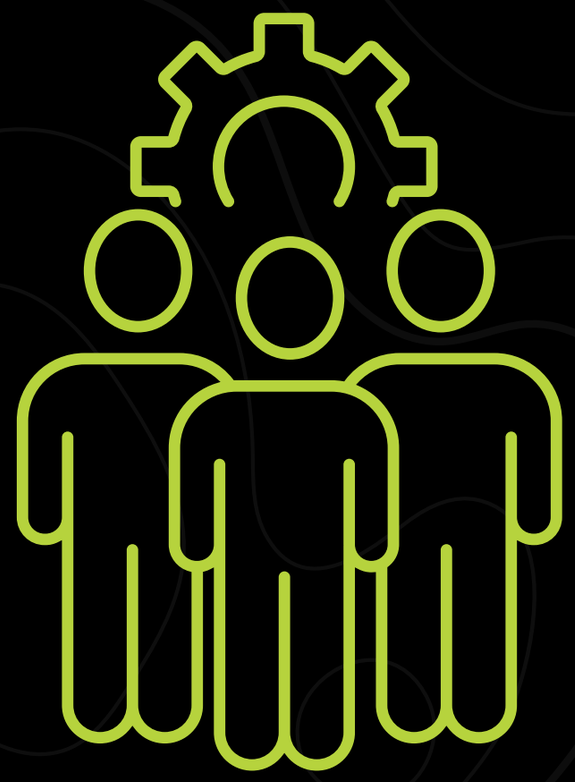


STEP 1

KICK-OFF AND COMMUNICATION

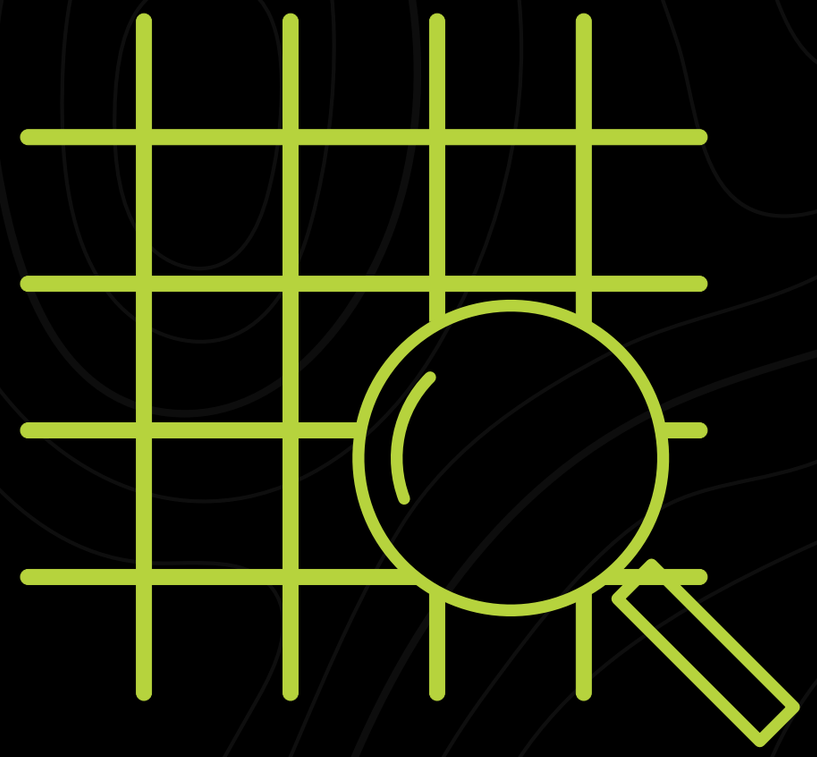
Initiate the project with a kick-off meeting to introduce key stakeholders, outline project goals, and establish communication protocols. This sets the stage for a collaborative and informed deployment process.



STEP 2

STAKEHOLDER ANALYSIS

Identify and analyse all relevant stakeholders, including management, operators, and maintenance teams. Ensure their expectations and requirements are clearly understood and documented.



STEP 3

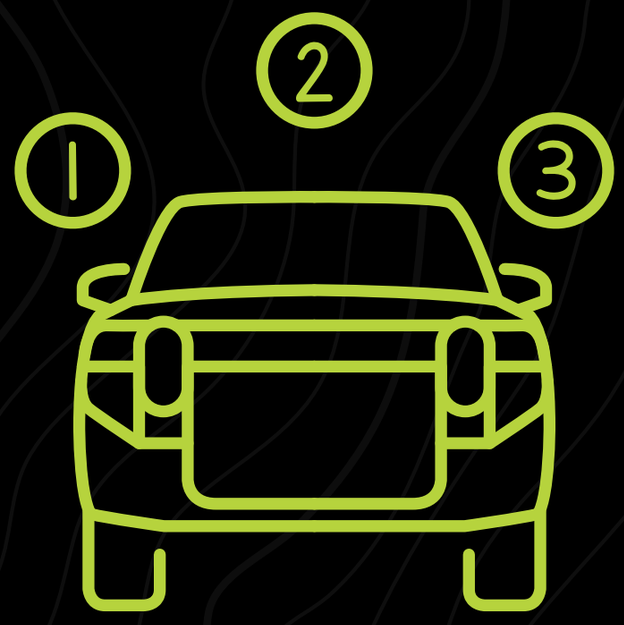
SITE ASSESSMENT

Conduct a comprehensive site assessment to evaluate current operations, workflows, and infrastructure. This includes analysing vehicle usage patterns and energy consumption to tailor the BELV integration.

STEP 4

INFRASTRUCTURE EVALUATION

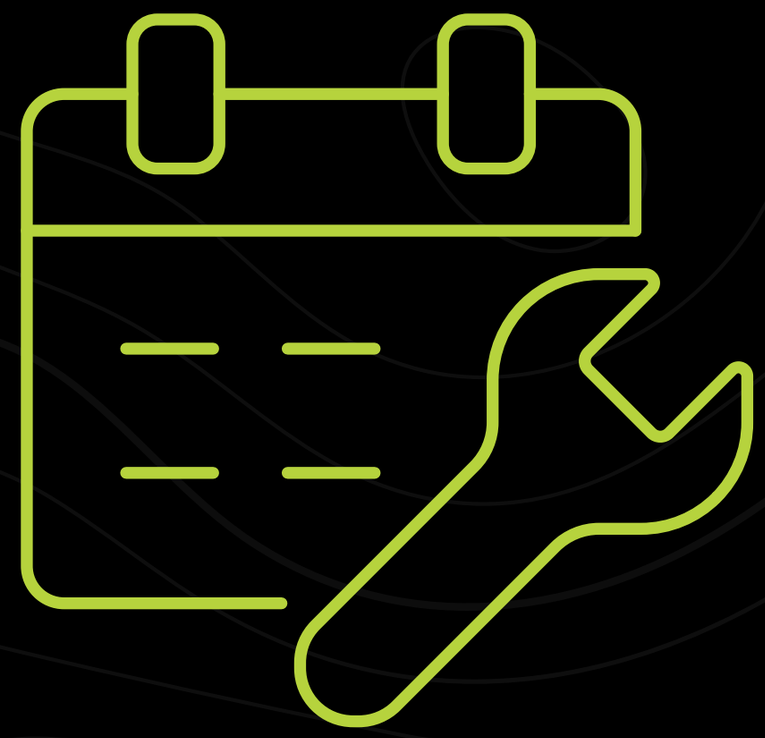
Assess the site’s infrastructure needs by designing a charging plan with stations at strategic locations based on vehicle flow and operational needs. Ensure compatibility with EVs and scalability for future expansion, while considering electrical upgrades and integration with renewable energy sources where possible.



STEP 5

VEHICLE ROLE AND UP-FIT CONFIRMATION

Define the specific roles for each BELV and confirm any necessary up-fits to ensure vehicles are customised to meet operational requirements effectively.



STEP 6

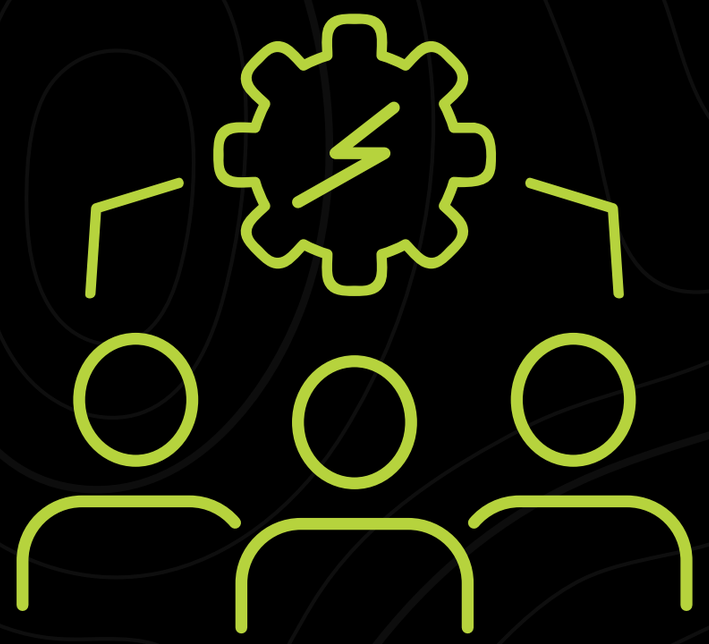
MAINTENANCE PLANNING

Develop detailed maintenance plans, specifying responsibilities for routine and preventive upkeep. This ensures that BELVs remain in optimal condition throughout their operational lifecycle.

STEP 7

DEPLOYMENT LOGISTICS

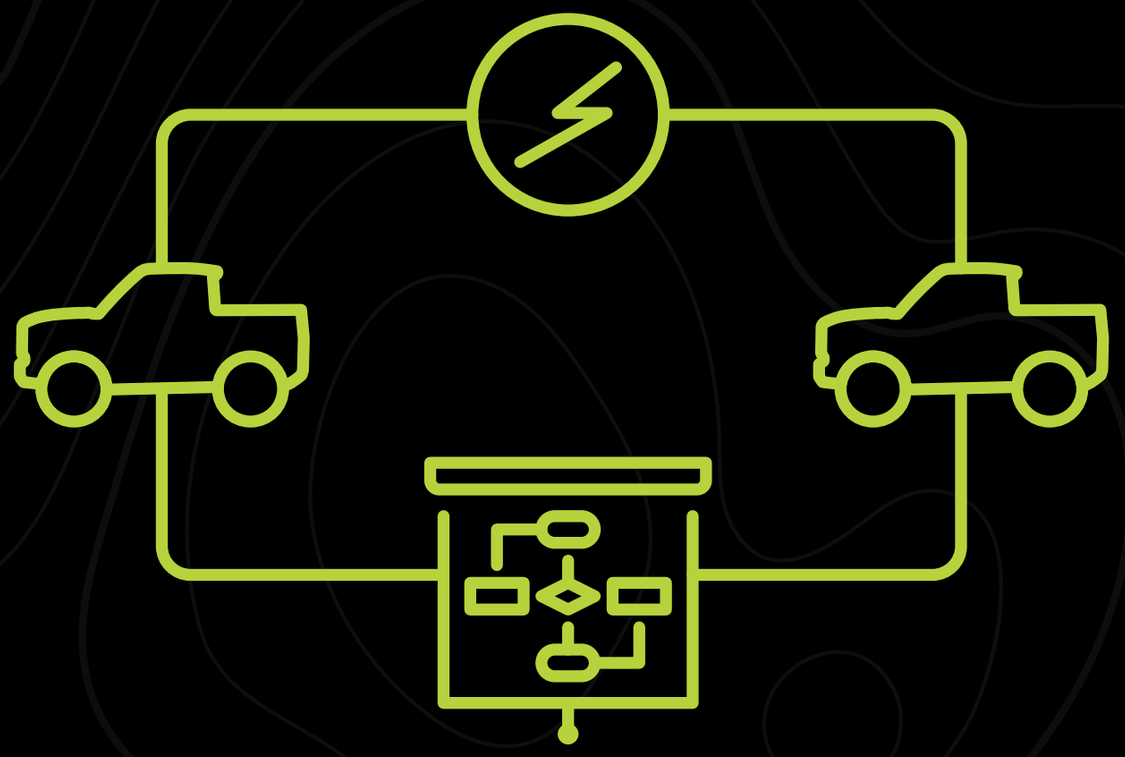
Coordinate the logistics for delivering BELVs to the site, including customs and regulatory compliance. Inspect vehicles upon arrival and ensure all infrastructure, such as charging stations, is operational.



STEP 8

TRAINING AND INTEGRATION

Provide comprehensive training for all personnel, including management, maintenance, and drivers, covering charging procedures and safety protocols. Conduct functional testing and performance assessments to ensure seamless integration of BELVs into existing systems.



STEP 9

OPERATIONAL OPTIMISATION

Implement a site-wide vehicle familiarisation program to coach drivers and gather data on vehicle performance and usage. Use this data to optimise charging plans, address potential issues, and refine operational strategies.

STEP 10

ONGOING SUPPORT AND MONITORING

Ensure continuous support with a 24/7 technical hotline, remote performance monitoring through MEVCO Connect, and regular efficiency audits. Provide access to critical parts and additional training as needed to maintain smooth operations.

The implementation of light EVs at mine-sites represents a significant step towards achieving sustainability goals while enhancing operational efficiency and reducing costs.

By following this 10-Step Plan and continuously refining strategies based on feedback and data, your mine-site can lead the way to a cleaner, more sustainable operational future.

MEVCO

Driving change, ensuring success

We believe that true innovation goes beyond technology; it’s about creating lasting change. We're dedicated to providing the mining industry with solutions that are revolutionary, reliable, and efficient. Together, we'll pave the way to a sustainable, productive future, keeping you ahead in a fast-changing market. Join us on this transformative journey.

To Learn More
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