



Prescriptive Maintenance and Digitalization Deliver Big Benefits For Miners

Compliance, Flexibility, Sustainability and Asset Optimization
top reasons for adopting new technology tools

Technology has many advantages, but improved
safety is the top benefit

What are your top considerations when measuring the
value of digitalization in your organization?

- 1 Safety
- 2 Exploration & mine development
- 3 Mine design & planning

Which of your organization's objectives can benefit most from digitalization?

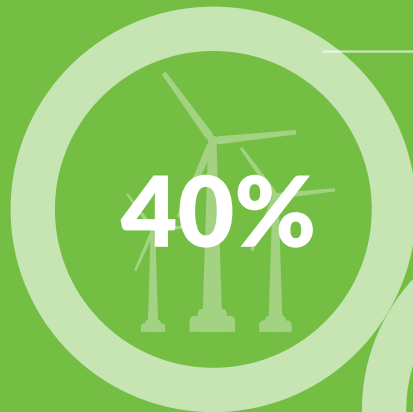
- 18% Health & safety
- 16% Ability to switch processes & quickly make changes to activities
Sustainability
- 12% Profitability & margin growth
- 10% Asset management & optimization
Improved ability to extract resources
- 6% Integration of multivendor solution chains
Improved ability to define resources
Data security, governance & regulatory compliance



Firms Are Responding To Ethical and Regulatory Needs

With so much pressure being applied by governments, watchdogs and others, sustainability is also top of mind

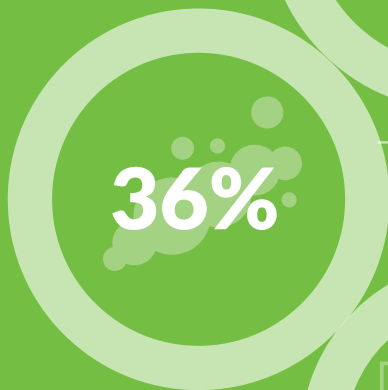
Looking specifically at sustainability, what actions is your organization prioritizing?



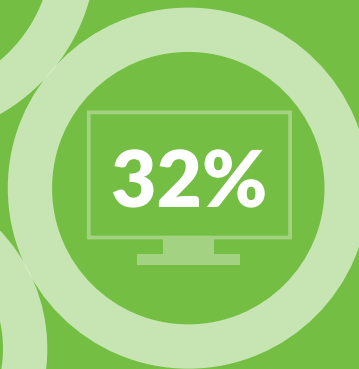
Make More use of Alternative Fuel Sources Such as Wind, Solar or Hydrogen



Mine Electrification



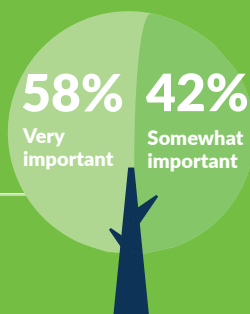
Target Better Control Over Scope 3 Indirect Emissions



Adopt Core Frameworks for Managing and Monitoring Progress



Focus on Baseline Audits



How do you value sustainability in your role?



86%

of respondents are measured on sustainability progress

Tech Adoption Deterrents

ROI, Implementation and Change Management weigh down digitalization

What deters you from making more extensive use of technology within your organization?

TOP 5 DETERRENENTS

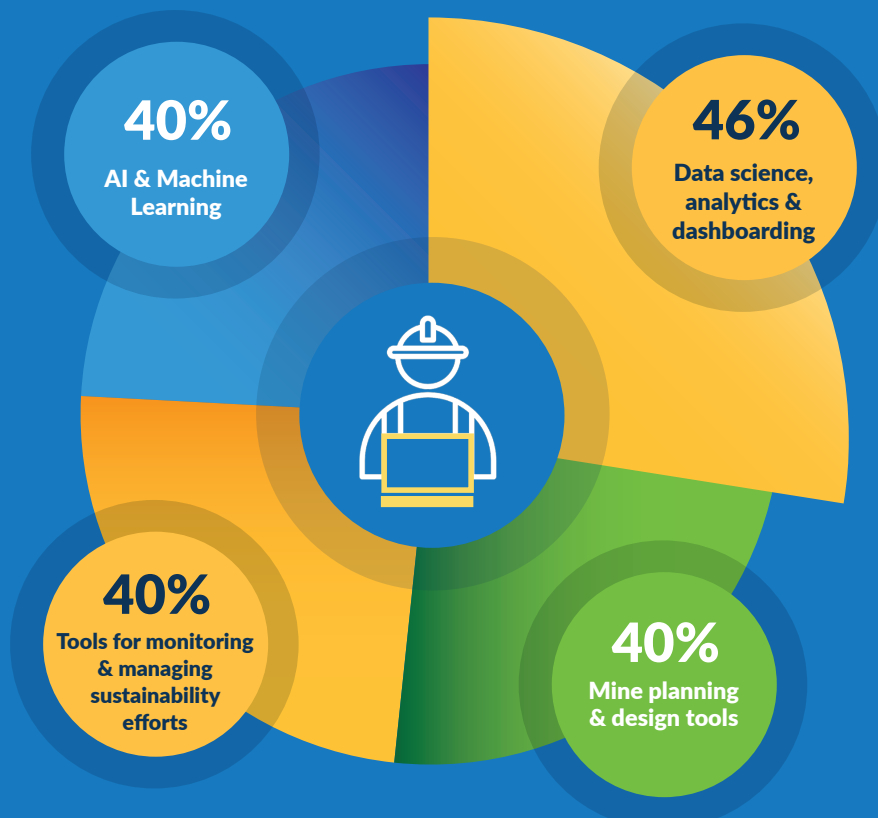


- 1 Lack of certainty over return on investment
- 2 Vendor ability to support, maintain and deliver services
- 3 Implementation times
- 4 Ability or desire to manage & execute change
- 5 Too busy with other activities

Early Adopters

Data Science, AI and Analytics seen as being among technology's biggest benefits

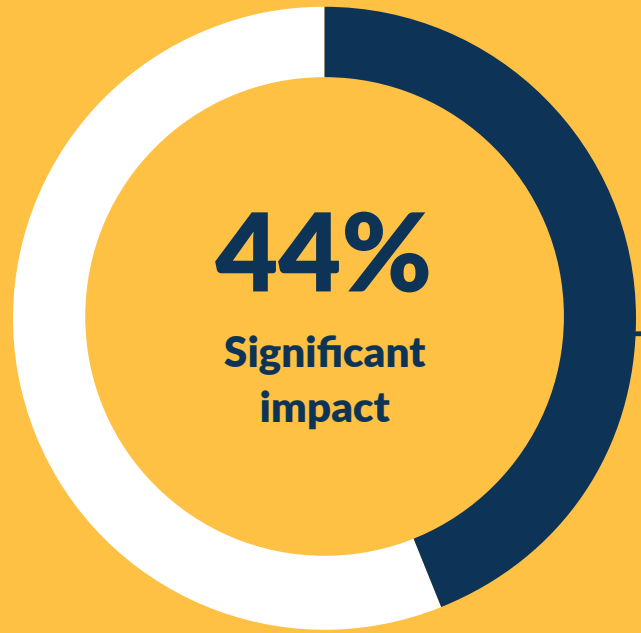
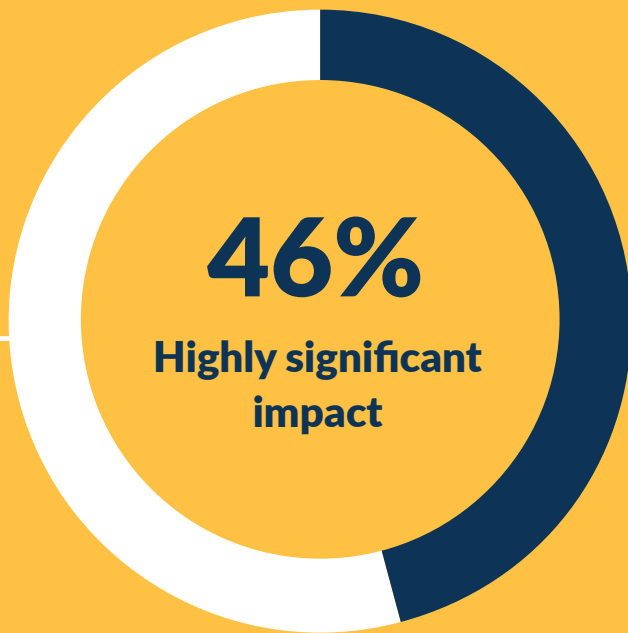
Which technology tools are the most beneficial for your organization?



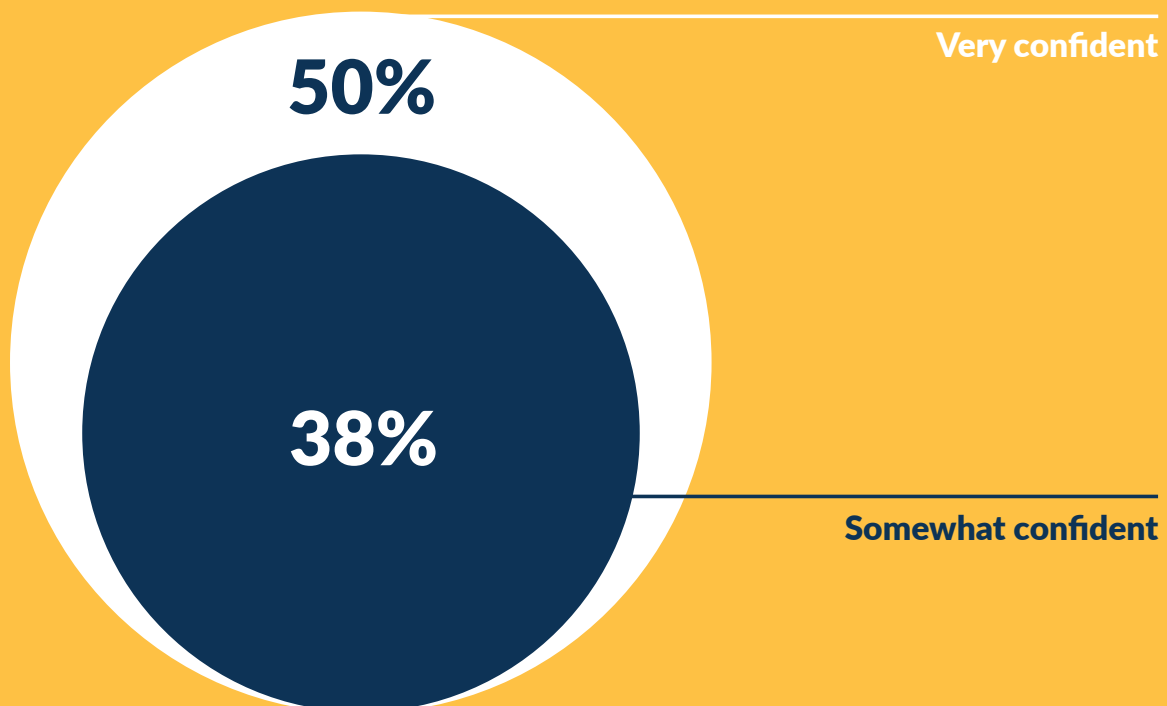
Prescriptive Maintenance Making Its Presence Felt...

9 out of 10 say impact on asset management and downtime is significant

To what extent do you feel that prescriptive maintenance is having, or could have, on Asset Performance in Mining & Minerals?



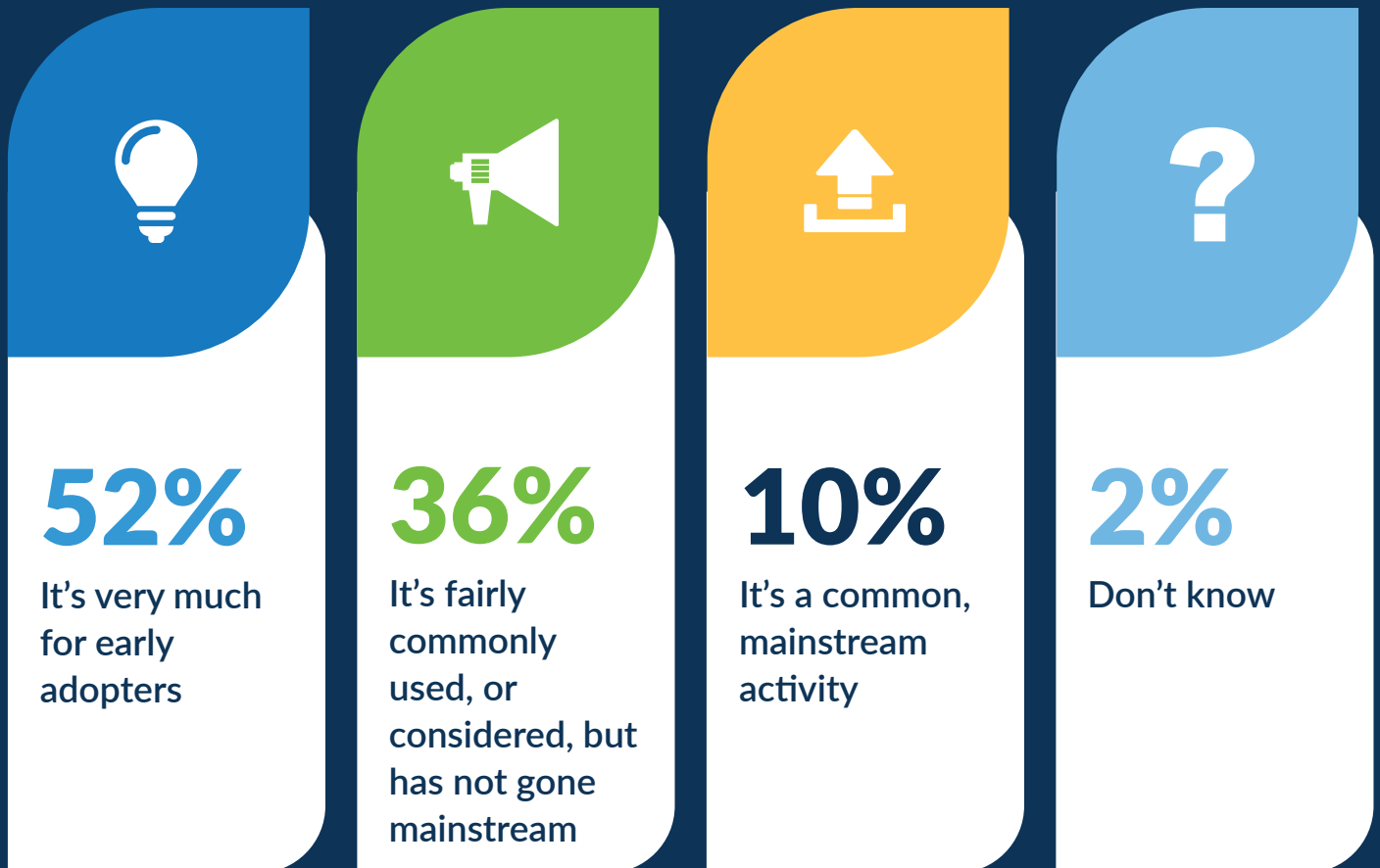
How confident are you in the ability of prescriptive maintenance to minimize downtime?



...but there's more to come

Majority say prescriptive maintenance is still at early stages of market adoption

Where do you think prescriptive maintenance stands today in your sector in terms of maturity?



This infographic is based on an online survey conducted in June 2022 with 50 senior respondents from mining organizations.

To find out more, visit
www.aspentech.com/mining



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