



January 7, 2019

Dear Joe,

Looking back on 2018, I am thrilled with the progress U.S. mining made this year. We saw our members recognized for their accomplishments in safety, sustainable practices and environmental stewardship. Many of these achievements can be attributed to the culture of innovation that the mining industry has embraced in recent years.

Technology is an essential component in every modern-day mining operation. To give you a look inside how mining is using cutting-edge tools, we asked [Newmont Mining](#) to give us a tour of their facilities in Nevada. Watch our video and see why mining has become a leader in innovation.



With the help of new technologies, the mining industry is able to access minerals more safely and responsibly than ever before. For example, drones allow mining companies to examine remote areas of the mine without

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DEVELOPMENT: NEW OPPORTUNITIES IN EMERGING FIELDS

Many of today's miners are also digital and tech specialists, and mines leverage the technical expertise of professionals including:

- Electronic device monitors and technicians
- Data system and software managers
- Mechanics
- Geographic Information System (GIS) specialists
- Autonomous vehicle and drone operators



The digital transformation in mining is an exciting development for the sector. That's why mining companies are investing in new programs for both current and future employees.

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[Silver: The Versatile Metal Powering American Innovation](#)

risking employee safety. Other technologies like [geological information systems \(GIS\)](#) reduce the environmental impact of mining operations.

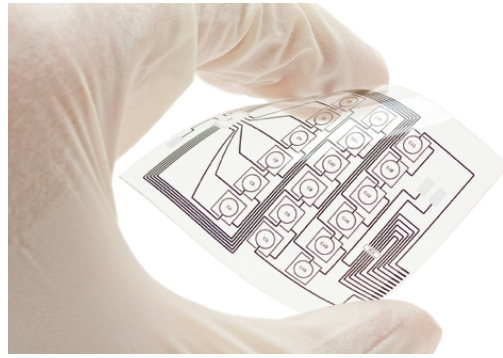
This emphasis on innovation is also bringing new talent and opportunity to our industry. Mining companies are increasingly investing in STEM education and training programs to nurture the next generation of mine workers. From technicians to software managers, jobs in the mining sector are jobs of the future.

These developments within our industry show how the mining industry is constantly evolving. We are at the forefront of innovation and will continue to be as we lead the way in safe and responsible operations.

To learn more about innovation in the mining industry, see our latest [infographic](#).

Thank you,

Hal Quinn
NMA President and CEO



Mining is not only pioneering and integrating new technologies, but also providing the raw materials needed to foster innovation across sectors. Learn how one mineral – silver – plays a role in today's tech.

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