Challenge – Striving to Stay the Biggest and Best

Codelco, headquartered in Santiago, Chile, is the world’s largest producer of copper and operates the biggest underground mine in the world. Over the past two decades, Honeywell has developed a strong partnership with Codelco to maintain the highest levels of productivity possible. Arturo Barria, automation leader for Codelco’s Andina mine, described their history:

“Codelco’s relationship with Honeywell is great and longstanding. We are working with Honeywell as a team – not as customer and vendor.”

In an ongoing effort to increase production, Codelco officials sought Honeywell’s help to implement Advanced Process Control (APC) technology at their Andina mine, located high in the Andes Mountains.

Transforming Industrial Performance

Right from the start, Honeywell’s expertise and technology yielded tangible improvements in Codelco’s overall production process.

“We went into the upgrade scenario expecting to improve our overall productivity,” said Barria. “What we never expected, was how our operators immediately accepted this change. This has led to a significant improvement in production.”

As part of the upgrade, Honeywell installed Profit Controller, a multivariable control application for complex and highly interactive industrial processes. Plant operators have shown enthusiastic support. With the system in place at two mine locations, Codelco has been able to make substantial improvements in its automation technology.

Expertise that Makes Your Business More Effective

For Codelco, it’s not just about the technology, but working with a trusted, experienced partner who knows how to solve problems and meet business objective.

“We have utilized other advanced technologies, but have only experienced poor results,” said Codelco’s Barria. “The innovations pioneered by Honeywell represent a large part of our new automation program and the early returns look like a big winner.”