Increases efficiency by stabilizing mill load

With SmartMill you control mill load taking into consideration multiple process variables at once, maintaining pre-set constraints.

Reduces energy consumption

Extend the scope of your control strategy to optimize energy consumption. SmartMill keeps your mill at the optimal operating speed at all times, reacting to changes automatically, thus increasing energy efficiency.

Extends mill lifetime

With SmartMill you reduce stress on mechanical mill components (e.g. liners), and increase uptime as well as availability.

Increased operator efficiency

SmartMill simplifies operator tasks. With its automatic control you can eliminate shift-to-shift variations in production.

Helps you influence particle size

With the mill fully controlled and the load stabilized, you can change operating conditions to achieve a desired particle size. This is done through a closed loop control strategy, allowing for precise monitoring and adjustment.

SmartMill, how does it work?

With SmartMill, active use of variable speed drives is realized. The non-linear model predictive control is embedded in the mill drive controller in parallel to the mill application features, extending the classical control strategy to the best-in-class operation.

One single supplier delivering variable speed drives + mill application features + process control

How to win the game? Win the game with multi-variable control