Upgrade your TYRAK converter to new modern DC-converter design

Time for upgrade/modernization?
The DC drives used in your mill have evolved over the past few decades. The new generation offers improved performance to meet higher production demands.

The diagnostic system provides more information via a door panel and a diagnostic tool that helps maintenance staff better follow up drive behavior.

Reliability and maintainability meet today’s requirement for hardware and software as well as demands from the young generation of technicians accustomed to digital environment.

What can ABB do for you?
We analyze your existing drive and upgrade the converter control system to a modern digital control system. If needed also upgrade of the power part.

For drives below 450 Amps, the complete converter including power electronics and thyristors is replaced. Converter cabinet, bus bars and power cabling are reused. This approach is called “Panel Solution”.

Converter cabinets, bus bar power electronics, power cabling and thyristors are reused for the larger drives. This approach is called “Re-build kits”.

ABB delivers
- Converter upgrade solutions including a new digital control system with thyristor triggering devices
- New field exciter
- Bus communication to the process control system
- Design work
- Erection on site
- Commissioning

Your benefits with up-to-date drive systems
- New drive systems based on ABB’s common drive platform DCS800
- Improved drive performance
- Improved/High reliability
- Availability of spare parts
- User-friendly diagnostic system that meets today’s demands
- Bus connection/communication with the process control system
- Improved maintainability that meets today’s demands for short mill stoppages
- Cabinets, power cabling and bus bars are reused

Example of DCS800 Panel Solution.
For more information please contact:

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