



## Coil coating / Motor: Ex rated encoders from Johannes Hübner Giessen improve coil coating operations

- High precision speed control
- Improved coating quality
- Time-saving all-round solution
- Trouble-free Ex acceptance



Before: Speed monitoring with analog tachometer generators.



After: Incremental encoder facilitates digital speed control.

### Task

We were given the following specifications by a leading steel-maker for an upgrade project:

- Objective: Improve the quality of coil coating by changing from analog to digital speed control
- Task: Replace old tachometer generators monitoring speed at drive motors of the coating rollers
- Special characteristics: Potentially explosive gas atmosphere (zone 2)

### The Hübner Giessen solution

Specialists from Hübner Giessen document the installation situation (measure) and install the encoders on site. New Ex FG 40 incremental encoders replaced the outdated tachometers to provide the following advantages:

- ATEX and IECEx certified for gas zones 1 and 2
- Explosion-proof heavy-duty housing (type of protection: d)
- High signal quality, 1024 pulses
- Large bearings ensure a long lifetime
- Flange with bores every 30° offers variable attachment options
- Flexible on-site cable connection thanks to removable terminal box cover

### Products

- Ex FG 40
- Ex rated sealing plug
- Ex rated cable gland
- Engineering support