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## POLYMER FILM PRODUCTION PROCESS OPTIMIZATION IN INDUSTRY 4.0

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In the field of Industry 4.0, Mondi Gronau sets a good example. Here, production processes in the polymer film industry are optimized. The adopted approaches result in higher product quality with a simultaneous decrease in rejects, downtimes, and energy consumption.

“Digitalization”, “intelligent factories” and “networks of logistic processes” are only some of the keywords characterizing Industry 4.0. Since the implementation of industrial control systems (programmable logic controllers (PLC)) in the 1980’s and the transfer of data to large databases, the extraction of vital information from large data collections has gained increased importance.

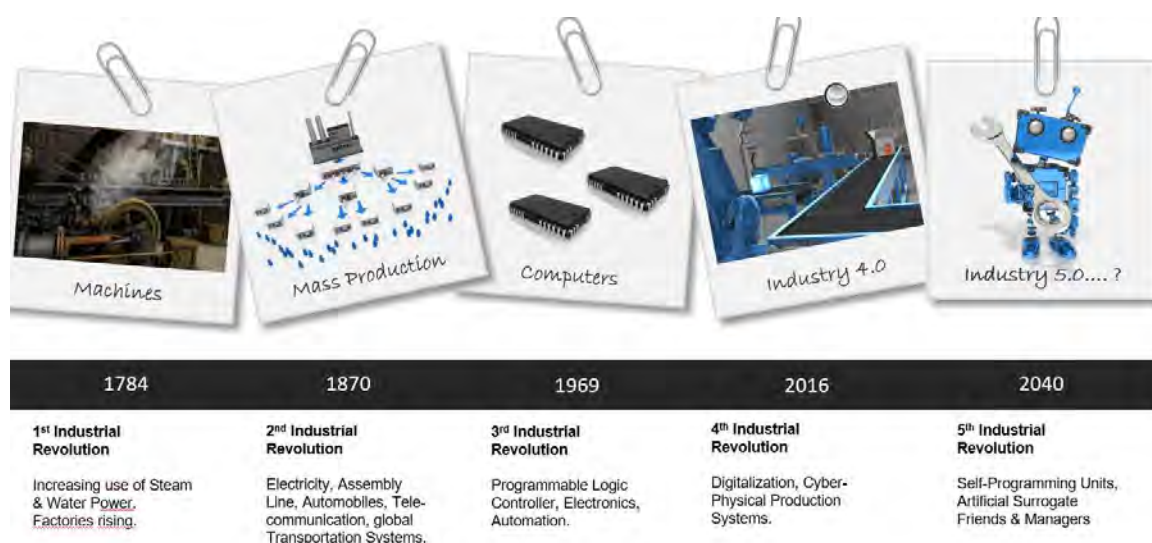


Figure 1: Industrial revolutions (Source: M. Kohlert, Mondi Group)

Mondi Gronau aims at choosing and implementing Industrie 4.0 pilot projects suitable for its own location/site. These projects comprise Big Data, human-machine interfaces, predictive maintenance, market data analysis, mobile device management, and virtual storage management, to name just a few.

For such approaches Mondi Gronau needs partners from universities and industry for succeeding.

Partners who want to go on long-term project collaborations to make next steps in development.