

## Code generation from MATLAB code for industrial applications with PLCs Industrial use case in ArcelorMittal Gent

Industry 4.0 features among others virtualization (“digital twin”) and virtual commissioning, big data analytics, and several other technologies.

When the control for virtual industrial installations is being designed, the transfer from the PC software to the real machine and the real PLC\* or DCS\*\* still needs to be done.

When data is acquired in real-time on the factory floor, it may need local preprocessing prior to being uploaded to the cloud for long-term “big data” analytics.

This webinar explains some possibilities and the workflow when generating code from MATLAB/Simulink models and code, for example for control or for data processing. It is illustrated with an industrial use case in ArcelorMittal Gent.

\*PLC: Programmable Logic Controller

\*\*DCS: Distributed Control System