Using the SIWAREX CS application, weighing tasks can be quickly and simply implemented for printing machines and integrated in the workflow of the machine program.

Typical applications for SIWAREX CS (Compact Scale) include non-automatic weighing, level monitoring for silos and bunkers, measuring crane and cable loads, load measurement for industrial elevators and rolling mills, measuring applications in hazardous zones (directly in Zone 2, Zone 1 with Ex interface SIWAREX IS), monitoring belt tension, force measurement, container-, platform- and crane weighing systems.

SIWAREX CS is a compact electronics weighing application for the distributed SIMATIC ET 200S I/O system.

SIWAREX CS is the optimum solution where DMS sensors are used for weighing applications – such as weighing cells, force transducers and torque measuring shafts.

In addition to functions for parameterization, adjustment, calibration and communication, the application includes examples that can be used for visualization based on the SIMOTION web server. This represents an ideal solution for commissioning and maintenance tasks.

How much printing ink is being used, how high is the solvent concentration – and how can printing ink management be automated and integrated in the production process (MES)?
Configuration example for the SIWAREX application

**SIMOTION application for SIWAREX CS**
- Ideal application solution based on SIMOTION to quickly and simply integrate the hardware into an existing system project
- Runnable project example
- Modular function block concept
- Simple conversion to existing projects
- SIMOTION IT pages can be used for service-friendly commissioning and maintenance tasks

**SIWAREX CS module for operation with SIMATIC ET 200S**
- Can be used in distributed system concepts by connecting to PROFIBUS DP through SIMATIC ET 200S
- Weight or force can be measured with a resolution of 65,000 parts
- Comprehensive diagnostic functionality
- Theoretical adjustment without weight adjustment
- The module can be replaced without having to readjust the weighing scale
- Can be used in hazardous zones

**Pressure-force weighing cells and built-in units**
- Pressure-force cells with a nominal load range of 60 kg up to 500 t to address a multitude of applications
- Weighing cells that can be calibrated – generally with accuracy class C3 acc. to OIML R60 – for a large percentage of this load range
- Weighing cells manufactured out of stainless steel or painted steel for use in harsh environmental conditions
- Degrees of protection up to IP68