

Cement weighing and dosing system

Customer: "Karaganda asbestos-cement products plant", Ltd.

SOLUTION AND AUTOMATION SYSTEM CHARACTERISTICS

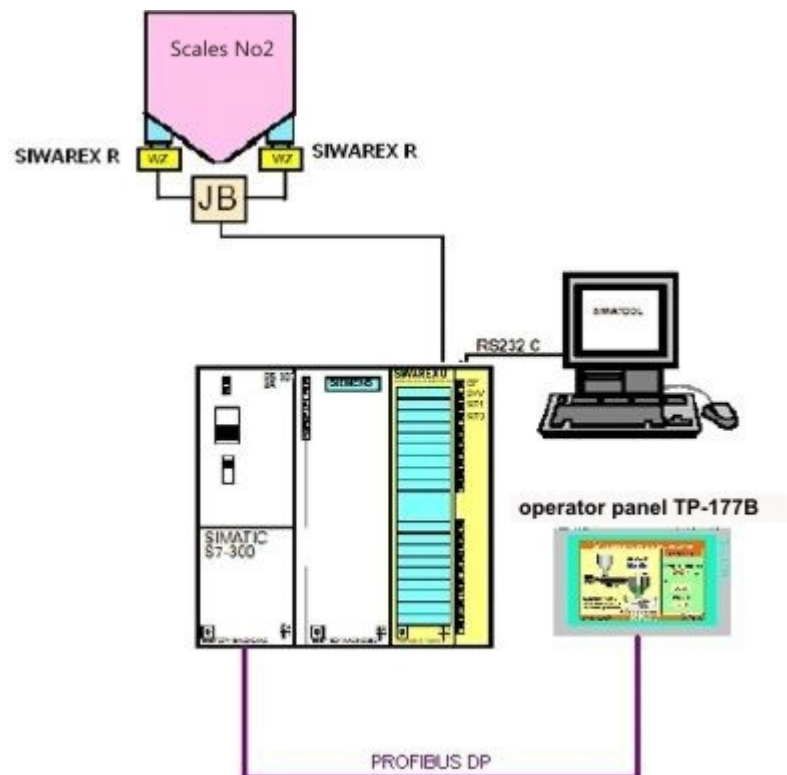
Control system is implemented on the basis of PLC Simatic S7-300, CPU313C. as weight measurement elements it was used charging cells Siwarex R of SB series, with calculated load 1000 kg, connected in parallel.

As weight measurement module it was used SIWAREX U, which fully allows integrating weight measuring functions in SIMATIC. On the technological part, SIWAREX U carries out all functions of the weight measuring technique, also forms weight value and controls it to marginal rate overrunning.

SIWAREX U offers following functions:

- alignment of the weighing machine (including theoretical alignment)
- measurend filtration
- weight calculation
- zero release
- limit value control (Min/Max)

No1 There is a structural configuration of weight measurement system at the picture



Picture No1

Operator's sensor panel TP177B is destined for displaying of technological process condition. Operator's panel needs for displaying of technological process main parameters, such as current weigh batcher mass, mounting setup, batch quantity, and general cement expenses. On the picture 2 there is an exposure of weight measurement technological process displaying.



Picture No2

Project implementation period

Project implementation period is 3 months