Cemat 4.12 migration to **PCS7** and integration into one Multiserver-Multiclient system

Solution Partner: SimTec Sp. z o.o.
Customer: Cement Plant in Poland
Segment: CEMENT INDUSTRY

**Requirements** of the customer:

Migration of old Cemat 4.12 system to PCS7 v7.0 and integration of two separate kiln PCS7 systems into one Multiserver-Multiclient system.

1. PCS7 systems upgrade to identical level v7.0 SP3
2. Migration of old Cemat 4.12 software to PCS7 Cemat v7.0
3. Delivery and implementation of GPS SICLOCK
4. Delivery and implementation of CAS (Central Archive Server)
5. Systems change over within 2 weeks production break
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**Implementation** by the Solution Partner:

- **Description of the solution**
  The preparations to the migration and integration started 10 months before the date of implementation. The aim was to prepare and **simulate** all the new software as well as PCS7 system in office circumstances. After old Cemat 4.12 software migration the simulation of the whole klinker production line was established. In tests participated the best Customer’s engineers and operators. Thanks to extensive office simulation tests, commissioning of the new PCS7 software, was possible only in two weeks. The system consists of 2 redundant PCS7 Servers, 11 Operator stations (24 LCD monitors), 2 PCS7 Engineering Stations, 8 AS 400 (CPU416&417), Profibus FO networks, CAS, WEB Server and CICLOCK TC100 GPS. SimTec supports remotely the object by the means of VPN.

- **How could the Solution Partner help the customer?**
  Thanks to SimTec's long lasting experience in PCS7 system as well as Cemat the goal was reached and production was stopped on extremely short period in reference to revolutionary modernization.

- **What was the decisive reason for using Siemens products?**
  Unification of control systems on all plant levels based on the most popular PLC/DCS system and years of positive experience with PCS7&Cemat standards.
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**Benefits** for the customer:

- Increasing of flexibility
- Minimising of maintenance costs
- Minimizing of operating costs
- Reduction of Hardware costs
- High availability and reliability of the new PCS7 system
- User access rights system to separate areas
- From each OS screen access to any Server area
- Flexibility and easy development without production breaks
- One huge PCS7 application for all AS/OS/Network systems