



Systems Automation Technologies SAT Ltd.  
Attn. Mr. Andreev  
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Bulgaria

November 5, 2002/RI/os  
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### **Recommendation of SAT for electrical projects**

Dear Mr. Andreev,

We are glad to thank you for the works you have done in the past for our Holcim plant in Bulgaria. Your company SAT (Systems Automation Technologies SAT Ltd. in Sofia, Bulgaria) has shown that our Holcim standards are properly applied and even under tight time schedules and further pressure the quality of the works were very good. The selected materials were according our European standards. The company has shown high competence in commissioning of the entire electrical system.

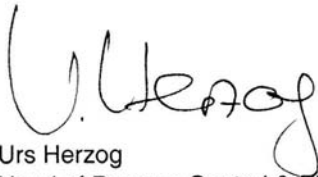
The following services have been provided by SAT:

- Design of DMC concept, LV distribution, cabling, installation and commissioning.
- Design of plant automation system based on Siemens components (Siemens S7 and WinCC).
- Development of a standard software according Holcim specification for Siemens system.
- Integration of electrical equipment supplied by mechanical equipment supplier into overall concept.
- Interfaces with frequency variable speed drives by Profibus-DP.
- Implementing entire dosing systems for raw mill and cement mills.
- Automation of a coal grinding plant including rehabilitation of an existing coal stacker/reclaimer.
- Automation of kiln feed system.
- Automation of clinker cooler dedusting system.
- Automation of cement dispatch system.
- Automation of cement grinding system.
- Automation of clinker transport.
- Automation of EMR equipment.
- Automation of a water injection system for the conditioning tower.

With the variety of experience from the raw materials handling up to the cement dispatch facilities, we can therefore further recommend your company for other electrical projects as a "turn key" partner.

Best regards

Holcim Group Support Ltd  
Corporate Engineering



Urs Herzog  
Head of Process Control & Electrical



Roland Luder  
Senior Project Manager