



叙利亚ABC项目 The ABC project in Syria

天津水泥工业设计研究院有限公司

Tianjin Cement Industry Design & Research Institute Co.,Ltd.

THE ABC PROJECT IN SYRIA

叙利亚ABC项目 **Sinoma**
中国中材



▲ 项目所在位置
Project location

工程技术特点:

大范围应用了现场总线技术，Profibus DP和Profibus PA混合应用，自动化系统技术的巅峰之作；现场的移动设备实现了与控制系统的无线通讯技术；供电系统为孤岛运行的重油发电厂；全部的设计均有效优化，实现低成本国外项目建设。自动化技术采用西门子DCS中央控制系统；大量采用DP控制技术。

Engineering and technical characteristics:

Bus technologies being adopted in large scale on site; Profibus DP and Profibus PA hybrid applies; a culmination of automatic system. The mobile devices on site make the wireless communication with the control system coming true. Power system is a heavy oil plant operated in island. All designing is effective and realize the low cost foreign project construction. Automatics adopt DCS central control system Siemens made. DP control technique is used much.



▲ 建成后的叙利亚ABC项目
After the completion of the Syria ABC project

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1、项目概况 General situation of the project

叙利亚阿尔巴迪亚 (AL BIDIA CEMENT PLANT) 水泥生产线总承包项目位于叙利亚首都大马士革东部80公里的阿布埃沙买特 (Abu Al Shamat) 地区。由叙利亚、沙特阿拉伯和意大利联合成立的叙利亚“巴迪亚”水泥股份有限公司投资, 采用“交钥匙”(EPC) 总承包方式进行, 由中材集团旗下的原中材建设有限公司总承包。该项目设计为日产水泥熟料5000吨, 年产水泥160万吨。项目于2010年12月23日点火成功, 比合同工期提前40天。2011年6月7日, 项目取得业主颁发的PAC证书。2010年10月份, 贾庆林主席亲临该项目现场视察, 对集团的水泥技术装备与工程总承包能力给予了充分肯定。

该项目实施实现业主、地方社区和职工三满意, 由我方代替业主实施初期生产运营。2010年10月份, 贾庆林主席现场视察给予了充分肯定; 项目实现零死亡和零投诉。

AL BIDIA CEMENT PLANT, a turn-key project in Syria, is located in Abu Al Shamat, 80 kilometers east of Capital Damascus, invested by "AL BADIA", a united cement co., Ltd composed of Syria, Saudi Arabia and Italian companies. The project is contracted to SINOMA in form of EPC, and its designing capacity is 5000 T clinker per day, 1.6 million ton cement per year. It has finished the ignition successfully on Dec 23rd 2010, which is 40 days in advance the schedule. PAC was issued by the owner on June 7th 2011. In October 2010, Mr. Jia Qinglin, Chairman of the people's political consultative conference, visited the Project on site, and gave a full affirmation to our cement technical equipment and EPC ability. The project performance satisfied the owner, the local communities and the staff. We replaced the owner to carry out the initial operation. In October 2010, Mr. Jia Qinglin, Chairman of the people's political consultative conference, visited the project and affirmed our accomplishment: zero death and zero complaint in project.



▲ 项目签约
The project contract



▲ 回转窑一次性点火成功
Rotary kiln one-time successful ignition



▲ 中控室生产调试中
In the control room production debugging



▲ 现场洒水保持清洁
Watering in site to keep clean



▲ 办公区保洁
Cleaning in office area

2、项目建设节点 Project note

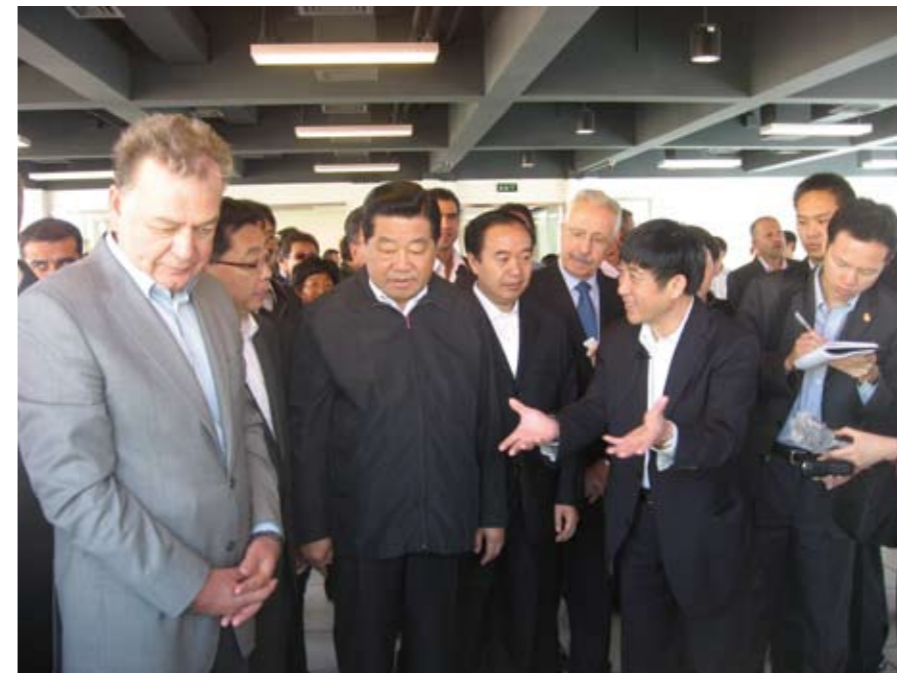
- 2008年9月, 合同生效
- 2010年12月23日, 比合同预订时间提前40天点火
- 2011年02月19日, 生产出第一批水泥
- 2011年06月7日, 拿到PAC证书
- Sep 2008, contract came into force
- Dec 23rd 2010, ignition 40 days in advance the schedule
- Feb 19th 2011, the first cement came out
- June 7th 2011, PAC was issued

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3、主机设备详表 The host device enumeration

序号 No.	车间名称 Workshop	主机名称 Equipment	型号 规格 性能 Model Specification Property	数量(台) Quantity (set)	功率 Power(Kw)
1	石灰石预均化堆场 Limestone preblending yard	矩形堆取料机 Rectangular stacker reclaimer	堆料能力stacking capacity: 2000t/h 取料能力reclaiming capacity: 500t/h	1	183.5 136
2	原料粉磨及废气处理 Raw material grinding & waste gas treatment	立式磨 Vertical mill	型号model: LM 56.4 生产能力 production capacity: 400 t/h	1	3600
		原料磨风机 Raw mill fan	风量air volume: 886600m ³ /h 全压total pressure: 12200Pa	1	4300
		窑尾高温风机 Kiln inlet high temperature fan	风量air volume: 966000m ³ /h 全压total pressure: 7800Pa	1	3100
		窑头窑尾废气处理袋收尘 Kiln outlet & inlet exhaust treatment bag filter	处理风量air volume: 965000m ³ /h 过滤面积filter area: 16214m ² 出口含尘浓度outlet dust concentration: ≤30mg/Nm ³	1	?
3	煤粉制备 Coal preparation	立式磨 vertical mill	型号model: ZGM113N 生产能力production capacity: 35t/h(Coal)	1	560
		煤磨袋收尘 Coal mill bag filter	处理风量air volume: 150000Nm ³ /h 过滤面积filter area: 2600m ² 出口含尘浓度outlet dust concentration: ≤30mg/Nm ³	1	
		煤磨风机 Coal mill fan	风量air volume: 170000 m ³ /h 全压total pressure: 10800Pa	1	710
4	烧成系统 Clinker burning system	回转窑 Rotary kiln	规格specification: φ5 × 74m 生产能力production capacity:5000t/d	1	500
		预热器及分解炉 Preheater & Calciner	采用DD分解炉: DD calciner 生产能力production capacity:5000t/d	1	
		篦式冷却机 Cooler	生产能力production capacity:6000t/d 篦床面积grate area: 116.4m ² 生产能力production capacity:5000t/d	1	220
5	水泥磨系统 Cement mill system	立式磨 Vertical mill	型号model: LM63.3+3C 生产能力production capacity: 250t/h	1	5600
		水泥磨袋收尘 cement mill bad filter	处理风量air volume: 770000m ³ /h 过滤面积filter area: 12836 m ² 出口含尘浓度outlet dust concentration: ≤30mg/Nm ³	1	
		水泥磨风机 cement mill fan	风量air volume: 858000 Bm ³ /h 全压total pressure: 8800Pa	1	3000

4、高层关注 Top-management concern



▲ 贾庆林主席视察
Chairman Jia Qinglin inspects



▲ 与项目经理汪代文亲切握手
Jia Qinglin chairman and the staff photo

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