



WB-Industrieanlagen GmbH is a German engineering office established in 2007. The activities are the planning and delivery of plants and machines chiefly in the cement industry.

Your partner for the modernisation of cement plants

Our service profile

We prepare the feasibility study.

We check your plant:

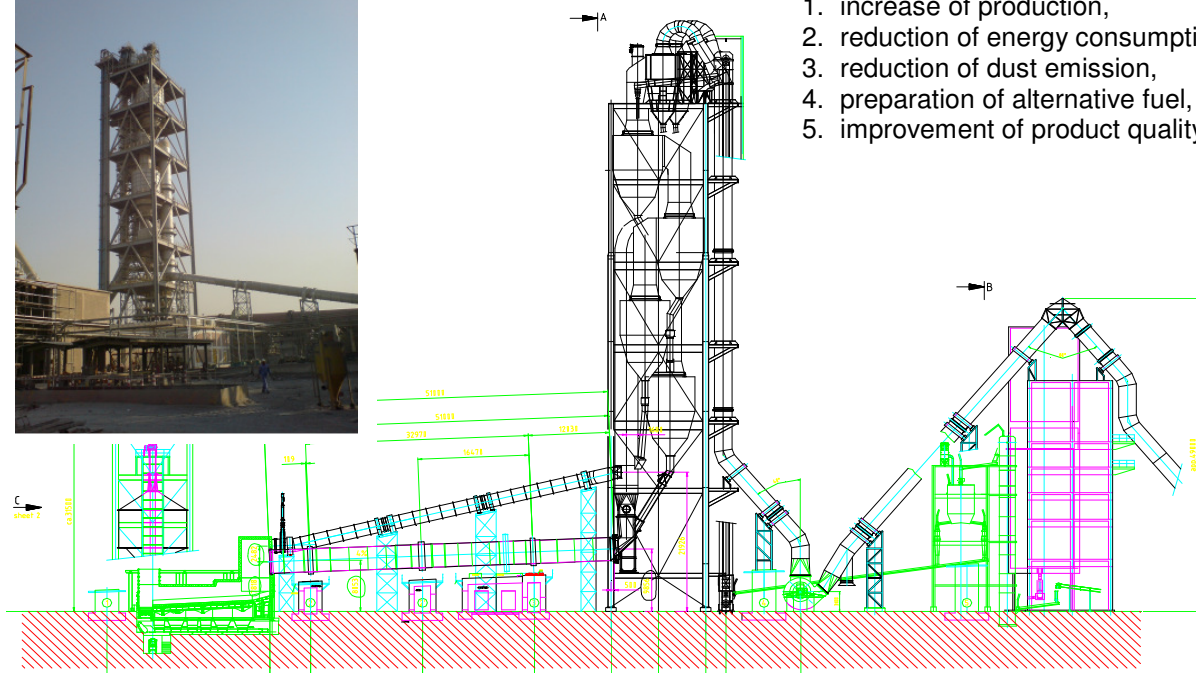
- trace and remove faults in case of operation trouble
- trace and remove faults in case of low production
- propose necessary optimisations

We perform basic and detail engineering :

- general layout,
- flow sheets,
- general drawings,
- process calculation,
- dimensioning of machineries,
- techn. specification of equipments,
- techn. tender documents for sub supplier,
- general drawings of each section,
- detail drawings for local manufacture,
- static calculation of civil work and steel structures,
- documentation of electric equipments.

We establish an overall time schedule for the project implementation, liaise with client's civil engineers and architects.

We supervise all fabrication works, erection and commissioning.



The target:

1. increase of production,
2. reduction of energy consumption,
3. reduction of dust emission,
4. preparation of alternative fuel,
5. improvement of product quality.

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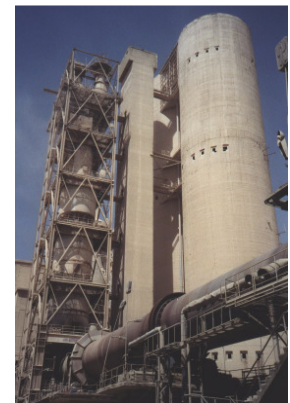
The result:

We accomplish increasing of production up to the double and reducing of energy by 35 %.

Comparison of production dates of various rotary kiln plants before and after the modernisation:



rotary kiln [m]	clinker production [t / d]		heat consumption [kcal / kg]	
	before	after	before	after
Ø 3,60 x 51	800	2000	1200	780
Ø 4,00 x 60	850	1100	1100	950
Ø 4,15 x 58	2370	2700	895	780
Ø 4,20 x 64	1350	1780	930	790
Ø 4,40 x 75	3600	3940	840	800
Ø 4,45 x 70	1540	2100	894	840
Ø 4,60 x 70	2100	2500	930	830
Ø 4,80 x 75	2160	2400	910	880
Ø 5,05 x 75	2700	3100	840	830



Your partner for planning of cement plants

In the past years we expanded our services for planning of complete cement plants. At this we cooperate with first class producer of special machineries. We realised already planning of cement plants for clinker productions of 1000, 2000 and 6000 t/d beginning from the crusher, pre blending bed, raw material grinding, and kiln up to cement mill with packing

