

### **New Integrated Steel Plant in Brazil, TKCSA**

#### **Project Description**

From the beginning of the year 2006 until the provisional completion in June 2010 a new integrated steel plant was built in Brazil for ThyssenKrupp CSA Companhia Siderúrgica do Atlântico (TKCSA), in which ThyssenKrupp Steel Europe with 73% and the Brazilian iron ore supplier VALE S.A. with 27% are involved. The plant is located 70 kilometers from the city center in the western zone of the metropolis Rio de Janeiro, Sepetiba Bay in the state of Rio de Janeiro. The plant consists of a sinter plant, two blast furnaces, a steel plant, two continuous casters as well as a private sea port and a power plant. According to original plans five and a half million tons of steel slabs per year should be produced in this plant for export to the USA and Europe. Caused by technical problems to date, the plant, where about 3500 people work, has not powered up to full load yet.

It is the largest German investment abroad for the last 10 years in Brazil.



## The Role of DTEC PMP GmbH

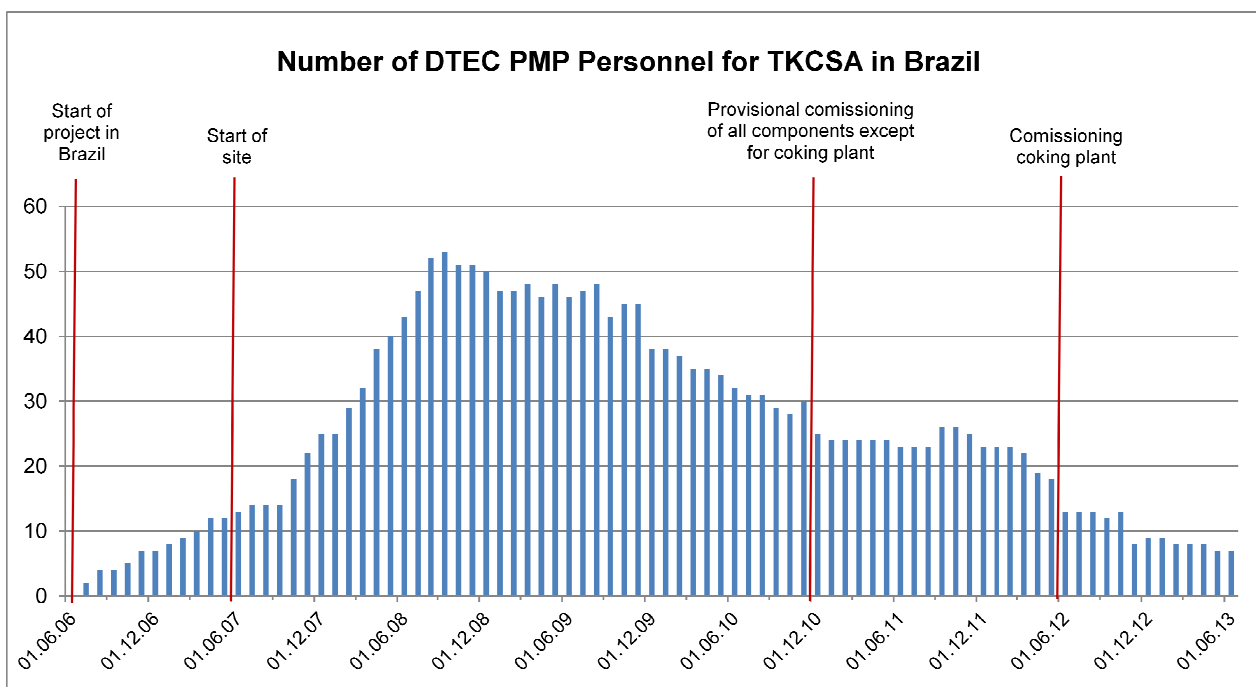
### 1. Provision of manpower (engineers and supervisors / technical assistance)

Work phases: Support during order placing phase, while the supply and installation (focus) and during commissioning

Plant components: Raw material handling sinter plant, blast furnaces, steel plant, continuous casters and afterwards coking plant

Responsibilities: Civil, steel structure, piping, QA/QC and management, welding specialists, E&I-techniques, general management and co-ordination, time scheduling and technical documentation

At its peak, about 50 employees - a total of 80 employees over the project period.



### 2. Other benefits for our employees

- Provision of visas for all DTEC PMP employees, but also as a service for employees of TKCSA and other companies with the help of a local partner (EMDOC)
- Co-ordination of international taxation in consultation with Ernst & Young and exemption in Germany to avoid double taxation
- Execution of G35 (medical examination for tropicalization)
- Execution of SCC-training (job health and safety)
- Planning of trips, assistance with finding accommodation, provision of hired vehicles and services (IT, telephone, mobile phones, etc.)
- Closing of worldwide travel insurance, accident insurance and air ambulance

## The Role of DTEC PMP do Brasil Ltda

### 1. Foreign representation of DTEC PMP GmbH in Brazil

- Founded on 26/10/2010
- Headquartered Itaipava Petrópolis-RJ
- 2. Office in Rio de Janeiro (Centro) in planning
- Placement of local personnel to Brazilian and international companies
- Placement of qualified international personnel for projects in Brazil
  - Siemens VAI: Welding supervision  
QA/QC  
Management of welding workshop
  - MAN Diesel & Turbo SE: Site and commissioning management,  
Provision of site manager and supervisor  
Diesel power stations 450 MW Joao Pessoa,  
1.000 MW Salvador/Bahia
  - Thyssenkrupp CSA : Management of reconstruction department  
Site manager and supervisor for coking plant  
and modifications as well as operation of steel plant



## 2. Know-how und benefits for companies in Brazil

- Assistance with administrative matters (tax, legal, Policia Federal, etc.)
- Office services by qualified staff (secretariat)
- Translation service German/English/Portuguese
- Travel arrangements, visas (work visas, technical assistance)
- Medical examination under local law
- Assistance in finding an accommodation, transport, car rental, etc.
- Participation in domestic trade fairs, press conferences and presentations related to construction projects
- Market researches, public relations, placing of engineering services
- Provision of representation