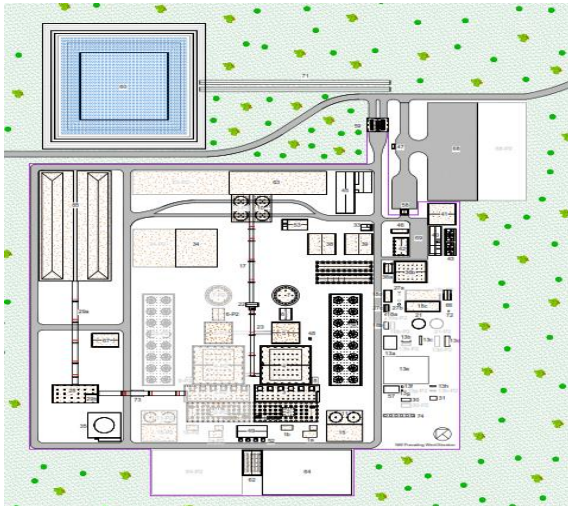


Coal Power Plant Luena, Province Haut-Lomami, Democratic Republic of the Congo

Client name: CTL S.A.R.L.

Service area	Contract value	Project duration
Natural resources – Bankable Feasibility Study	confidential	2014 - 2015



Project description:

Since the end of the ninetieth century the coal deposit Luena is known. Starting in the 1930ies, later in the 1970ies and 1980ies the deposit was extensively explored. Within a structure in the valley of Luena there are several independent basins of coal. It is estimated that about 70 million tons of coal are in place. This coal shall be used as fuel in a coal based power plant and the production of electrical energy. HPC got the order for a Pre-Feasibility and a Bankable Feasibility Study for this plan.

Further project data:

- about 70 million tons of coal
- calorific value: about 4500 kcal/kg
- two blocks each à 280 MW CFB

Purpose:

- development project, mine planning
- power plant planning
- Bankable Feasibility Study

Our services:

- Pre-Feasibility Study
- Feasibility Study for the coal fields
- construction of a 3D-model
- calculation of the resources according JORC
- calculation of the useable and mineable reserves
- technologic planning and basic design of the mining activities including recommendations for appropriate mining equipment
- basic design for the coal power plant including transmission lines
- Environmental and Social Impact Assessment Study
- economic and financial assessment (CAPEX, OPEX, NPV, IRR)
- planning and permitting according to international and national regulations
- Bankable Feasibility Study

Client benefits:

- comprehensive consulting, engineering and planning services considering all relevant norms and standards both international and national from one supplier

