Major EPC in the Energy Sector in Africa

Company Presentation
December 2018
Cotonou, Benin
Company Presentation
Member of the OGEPAR Group

- Manufacturing of engines and turbos
- Foundries
- Contracting, energy & trading
- Manufacturing & aftersales machine tools
- Hotels & real estate
- Automotive distribution

2,000 people
> 95 % T/O = export
Company Presentation
Offices in six African countries

ABC SODIMEL
DRC

PROCOB
Republic of the Congo

IVOIREMOTOR
Ivory Coast

RWANDAMOTOR
Rwanda

PROCOBU
Burundi

ABC MAURITANIA
Mauritania
ABC CONTRACTING has **3 main poles of activity:**

- **Power Grids**
  ABC CONTRACTING has the expertise necessary to successfully undertake all the components of an **electrical construction project**, ensuring the transportation and distribution of your electricity efficiently, from the source to end users.

- **Hybrid & Thermal Power Plants**
  From genset to turn-key solutions of **hybrid & thermal power plants** with **ABC engines** - another Group company which manufactures medium-speed engines, ranging from 800 kW to 10,000 kW and running on LFO, HFO, Dual Fuel, vegetable oil, palm oil waste & soon with hydrogen.

- **Hydropower Plants**
  ABC CONTRACTING rehabilitates existing power plants and builds new power plants. In collaboration with turbine manufacturers, ABC CONTRACTING supports you in the construction of **new custom-made hydropower plants**.
ABC CONTRACTING provides support through all stages of your project, from feasibility and analysis to procurement, logistics & installation on-site by our highly-skilled local team.

» **HV lines**, until 220 kV.
» **Transformer stations** and **substations**, including busbar, circuit breakers, accessories, transformers, remote control & protections.
» **MV** and **LV distribution**, including aerial and/or underground lines, wooden or steel poles and tower installations.
» **Connection until the final consumer**, including household service connections, counters & management systems.
» **Public lighting**, standard or solar.
» **30 kV lines and LV** in Rwanda (Mukungwa and Rugezi).
» **120 kV lines and 120/15 kV substation**, 24 MVA, Katuba in DRC.
» **PMEDE M05 project** – DRC – 30 kV lines to interconnect substations in Kinshasa.
» **PMEDE Lot 6 project** – DRC – MV & LV distribution in Kimbanseke.
» **PMEDE M10 project** – DRC – Supplies, installation and LV/MV cabin connections.
» **PEPUR M05 project** – DRC – MV/LV distribution reinforcement in eight districts of Kinshasa and Kinshasa-Nord.
» **AfDB** – Rehabilitation of the 20kV Medium Voltage power grid in Union of the Comoros
Thanks to its extensive experience, ABC CONTRACTING can successfully rehabilitate existing hydropower plants as well as build new ones, namely:

» **Mechanical parts for turbines**, including hydraulic components for guide vane drives.

» **Hydromechanics** for intake gates, stoplogs and penstocks.

» **Welding and corrosion protection** for penstocks, spiral cases and draft tubes.

» **Piping** for cooling water and dewatering systems.

» **Electricity** for electrical switchboards, transformers and cabling.
## Company Presentation

### Some References - HYDRO

<table>
<thead>
<tr>
<th>RUZIZI I HPP IN RWANDA</th>
<th>INGA I HPP IN DRC</th>
</tr>
</thead>
</table>
| Rehabilitation of two turbo-generators, including hydro mechanical components:  
  » Refurbishment of stay-vanes and guide-vanes.  
  » Replacement of supervision systems.  
  » Replacement of fire-protection systems for generators.  
  » Replacement of speed regulation systems.  
  We also re-machined mechanical parts in one of our sister company’s workshops. | Rehabilitation of dewatering systems for Inga I and II (pumps, piping, instrumentation & control). |

<table>
<thead>
<tr>
<th>MUKUNGWA HPP – RWANDA</th>
<th>✔ INGA II HPP in DRC</th>
</tr>
</thead>
</table>
|  » Dismantling/reassembly of two 6MW turbo-generators.  
  » Replacement of parts for guide vane drives and maintenance of hydraulic jacks.  
  » Replacement of guide bearings.  
  » Dismantling/reassembly and corrosion protection for intake gates and stoplogs.  
  » Refurbishment of piping for cooling water system, and replacement of the filters.  
  » Replacement of one power transformer. |  » Dismantling/reassembling of both turbines (groups 21 and 22).  
  » Rehabilitation of spiral cases and draft tubes (welding and corrosion protection) (groups 21 and 22).  
  » Rehabilitation of intake gates and stoplogs (groups 21, 22, 27, 28).  
  » Rehabilitation of penstocks (corrosion protection, welding repairs, expansion joint) (groups 21, 22, 27, 28). |
We are able to deliver, from genset to turn-key solutions of hybrid & thermal power plants (<70MW), with ANGLO BELGIAN CORPORATION engines. ANGLO BELGIAN CORPORATION medium speed engines are renowned for their reliability, low fuel consumption and easy maintenance.

“YOUR COSTS SAVINGS AND THE PROTECTION OF OUR PLANET ARE OUR PRIORITY”

Power generation requires a fuel energy source. The efficiency of processing fuel into electricity with minimal environmental impact will determine the most attractive solution.

HYBRIDISATION EXPERTISE

Turnkey hybrid power plant solution
- Hybridisation with solar panels
- Hybridisation with wind
- Hybridisation combining solar & wind

Possibility of cogeneration
Possibility of biogas
Company Presentation

Some References - Hybrid

Hybrid Power Plant in Kifia (MRT)
Thermal Power Plant Kintele Stadium 10MW (COG)
Thermal Power Plant Brazzaville 32MW (COG)
Thermal Power Plant Ouesso 11MW (COG)
Thermal Power Plant Kintele Stadium 10MW (COG) Containerized Genset ABC (TZA)
Thermal Power Plant Madingou 2MW (COG)
We are ready to offer you the following financing solution:

- **Project:**
  - Production
  - Hydro
  - Hybrid Power Plant
- **Distribution**
  - Power Grids
  - **Rural Electrification**
- **Amount:** Up to **15,000,000€** - Covered with a first class credit insurance
- **Interest rate:** Between **2.5%** and **5%** p.a.
- **Period:** Up to **5 years**!
  - **10%** to **15%** Down Payment
  - **Grace Period** from 9 to 15 months
  - The balance in 24 to 48 months. (For example with 12 quarterly promissory notes in 36 months)
- **Guarantee:**
  - Subject to Ministry of Finance guarantee
- **Source of funds:** **Private**
Your Advantages:

- Funds are **available in 30 days**, project can start easily and quickly (+/- 24 months with donors)

- **Interest rates much more competitive** than the African Private Banking Sector

- The repayment terms & amounts are well known and could be put in a **five year budget**

- **Local presence**, with various ABC offices in Africa

- As EPC, exploitation is not done by us, but by the **trained national electricity companies**

- **One single source** contract (ABC CONTRACTING)

- ABC CONTRACTING has an **extensive portfolio of African projects**, mainly financed by major international institutions such as the AFD, AfDB, BADEA, Enabel, IsDB, WB.
ABC CONTRACTING

Avenue Reine Elisabeth 59
5300 Andenne
Belgium

E. info@abccontracting.be
W. www.ogepar.com
T +32 (0) 85 849 980
F +32 (0) 85 849 989

Member of the Ogepar Group

Direct Mail

General Manager
E. n.schifflers@abccontracting.be

Operations Manager
E. jn.galasse@abccontracting.be

Financial Manager
E. r.delafaille@abccontracting.be

Sales Manager
E. r.marchandise@abccontracting.be

Thank you for your attention