

Major EPC in the Energy Sector in Africa



African Association for Rural Electrification
Association Africaine pour l'Electrification Rurale

Company Presentation

December 2018

Cotonou, Benin

Company Presentation

Member of the OGEPAR Group



2.000 people



2018 T/O: € 350 Mio.



> 95 % T/O = export



Manufacturing of engines and turbos



**ANGLO BELGIAN
CORPORATION**
We power your future

KBB



Foundries



Focast
FONDERIE - CASTINGS
SAINT-DIZIER



Focast
FONDERIE - CASTINGS
CHATEAUBRIANT



Focast
FONDERIE - CASTINGS
LÜNEBURG



Contracting, energy & trading



**ABC
CONTRACTING**
Power everywhere



**ABC
SODIMEL**



PROCOB



Manufacturing & aftersales machine tools



BALLIU nv
Machine tool corporation



PEGARD PRODUCTS



Hotels & real estate



ELAIS
IMMO



ELAIS
KINSHASA



ELAIS
POINTE-NOIRE



Automotive distribution



IVOIREMOTOR



RWANDAMOTOR



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.



RUZIZI I HPP IN RWANDA

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.

INGA I HPP IN DRC

Rehabilitation of dewatering systems for Inga I and II (pumps, piping, instrumentation & control).



MUKUNGWA HPP – RWANDA

- » 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.

✓ INGA II HPP in DRC

- » 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).



**ABC
CONTRACTING**

Power everywhere

Company presentation **Activities – Hybrid PP**

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 Kiffa (MRT)



Thermal Power Plant Kintele Stadium 10MW (COG)



Thermal Power Plant Brazzaville 32MW (COG)



Thermal Power Plant Ouesso 1MW (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 donators)
- **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.



Company Presentation **Contacts**

ABC CONTRACTING

Avenue Reine Elisabeth 59
5300 Andenne
Belgium

E. info@abcontracting.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@abcontracting.be

Operations Manager
E. jn.galasse@abcontracting.be

Financial Manager
E. r.delafaille@abcontracting.be

Sales Manager
E. r.marchandise@abcontracting.be



Thank you for your attention