

NAME : BATHILY, Abdramane
DATE OF BIRTH : 12/27/1981
NATIONALITY : French / Malian
YEARS OF WORKING EXPERIENCE : 13
DRIVING LICENCE : B Category
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Key qualifications

1. **Expertise in power system studies** covering the planning, modeling, simulation and techno-economic analyses with power system softwares such as CYME, POWER FACTORY (Dig Silent), EMTP-RV, SIMSEN, EUROSTAG, PSS@E and NEPLAN.
Studies cover:
 - Grid compliance and transborder interconnection lines studies including
 - Load flows analyses with equipments loadings and losses assessment
 - Short-circuit currents analyses as per IEC 60909 with faults critical clearing times and voltage ride through capabilities assessment
 - Contingency analyses with N-1 to N-k criterion
 - Transient and frequency stability analyses
 - Grid connection studies with :
 - Technico-economical optimization of energy evacuation works (switchyards and transmission lines)
 - High voltage overhead transmission lines designing (conductors cross-section definition based on economic, thermal, voltage drop, short-circuit current and corona effect criterion, routes determination, number and types of towers)
 - Medium voltage cables sizing as per IEC standard
 - High voltage switchyards arrangement and main equipment characteristics definition along with insulation levels coordination
 - Auxiliary transformers and direct current systems arrangement and sizing (UPS, batteries and chargers)
 - Reliability analyses with :
 - Units dispatching and operation costs optimization
 - Battery Energy Storage systems assessment
 - HDVC interconnection lines reliability analyses
 - Wind farms and PV plants curtailing assessment
2. **Specialization in renewable energy power plants engineering**
 - Designing studies of hydroelectric generators, erection works supervision, on-site acceptance and commissioning tests
 - Wind farms transmission systems designing and losses optimization
 - PV plants operation and maintenance (performances and reliability analyses)
 - Factory acceptance tests of MV/HV electromechanical equipments
3. **Experience in management**
 - International projects and multidisciplinary teams management (up to 10 multicultural experts coordination)
 - Technical assistance to project Owners (as head of electromechanical department)
 - Successful establishment of technical and financial proposals in response to calls for tenders

EDUCATIONAL BACKGROUND

Classes préparatoires, TSI (Technology and Engineering Science), Cachan, France
2005 A two-year intensive program preparing for the national competitive exam for entry to French engineering schools- Gustave Eiffel High School, Cachan, France

2008 Engineer Diploma - Specialization: Industrial products and systems development - Ecole Centrale Nantes

TRAININGS

- 2015 Training on the power system transient software EMTP-RV
- 2010 Training on the hydroelectric transient simulation software SIMSEN
- 2009 Training on the power system software CYME
- 2008 Training on the management of working time and teams
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PROFESSIONAL RECORD

- 2020 – 2021 Mali Asset Management Director – Akuo Mali Services (Akuo Energy group)
Under the responsibility of the Solar Business Unit Director, lead :
- Akuo Kita Solar power plant supervision, operation and maintenance (50 MWp)
 - Management of technical O&M team and third parties
 - Site management (QHSE, E&S, Security)
- 2019 – 2020 Senior Power System Engineer – Tractebel/Engie Impact
Under the responsibility of the segment team leader, lead :
- Power system studies
 - Assistance to team young or newly arrived engineers
 - On-site data collection missions or reports presentations at the Client's office
- 2012 - 2019 Project Engineer - Tractebel Engineering
Under the responsibility of the head of competence center department, lead :
- Project management and coordination
 - Technical assistance to projects owners (as expatriate)
 - Management of trainees
 - Establishment of internal reference technical documents
 - Elaboration of technical and financial proposals in reply to call for tenders
- 2008 - 2012 Design Engineer - Tractebel Engineering France
Under the responsibility of the technical expert in the competence center department, lead :
- Calculation tools development
 - Contractors' calculation notes assessment
 - Calculation reports establishment
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COUNTRIES OF WORK EXPERIENCE

Algeria, Belgium, Burkina Faso, Cameroon, China, Dominica, Ethiopia, France, Gambia, Guinea, Italy, Kenya, Mali, Netherlands, Nigeria, Russia, Senegal

SPECIFIC SKILLS

Computing : Advanced user of office tools (Word, Excel, Powerpoint)

Programming : Java, Visual Basic

LANGUAGE SKILLS

	<u>Speaking</u>	<u>Writing</u>	<u>Reading</u>
French	Bilingual	Bilingual	Bilingual
English TOEIC (875/1000)	Advanced	Advanced	Advanced
Spanish	Basic	Basic	Basic

Hobbies

- Association Sansangué Espoirs Founder of the Association dedicated to the development of the village of Sansangué (Fund raising, organization of cultural events)
- Sport Fitness

LAST REFERENCES – POWER SYSTEM ENGINEERING - WITH POWER FACTORY

- 2020 Name of assignment or Project: De Groene Delta Wind Farm Project
Year: July 2020
Location: Belgium
Client: Engie
Main Project Features: 2 x 3.5 MW Wind Farm
Positions held: Power System Engineer
Activities performed: Grid compliance study of Nordex 2 x 3.5 windmills in the Belgian grid
Software used: Power Factory
- 2018 Name of assignment or Project: Greater Banjul Modernization project
Year: September 2018
Location: Gambia
Client: National Water and Electricity Company Limited (NAWEC)
Main Project Features: 225 kV transmission line between Brikama and Kotu substations (32 km)
Positions held: Power system engineer
Activities performed: Power system analysis of the Gambia High Voltage transmission system through a load flow, short circuit currents and contingency analysis.
Software used: POWER FACTORY
- 2018 Name of assignment or Project: Souapiti Hydropower plant project
Year: June 2018
Location: Guinea (Conakry)
Client: Administration et Contrôle des Grands Projet et Marchés Publics (ACGPMP)
Main Project Features: Souapiti: 4 units, installed capacity of 4 x 112 MW,
Positions held: Power system engineer
Activities performed: Integration studies of the hydroelectric power plant of Souapiti in the interconnected electrical network of Guinea through a load flow, short circuit currents, contingency analysis and transient stability analysis with Power Factory software
Checking of the need of generators to operate as synchronous condensers.
Software used: POWER FACTORY
- 2018 Name of assignment or Project: Stability study of the Guinean power system
Year: May 2018
Location: Guinea (Conakry)
Client: Administration et Contrôle des Grands Projet et Marchés Publics (ACGPMP)
Main Project Features: Entire power system stability analysis
Positions held: Power system engineer
Activities performed: Checking of transient stability studies of the Guinean interconnected electrical network through a load flow, short circuit currents, contingency analysis and transient stability analysis with Power Factory software
Software used: POWER FACTORY

LAST REFERENCES – POWER SYSTEM ENGINEERING - WITH PSS®E

- 2019 Name of assignment or Project: Lot 3 - Resilience Feasibility study of the transmission system of DOMINICA
Year: June 2019
Location: DOMINICA
Client: French Development Agency (AFD)
Main Project Features: Resilience study of the transmission system
Positions held: Power System Engineer
Activities performed: Feasibility studies of the Dominican transmission system upgrade through a load flow, short circuit currents and contingency analysis.
Software used: PSS®E
- 2019 Name of assignment or Project: SENELEC Protection plan stability study
Year: June 2020
Location: SENEGAL
Client: SENELEC (Senegalese utility)
Main Project Features: SENELEC power system protection plan study
Positions held: Power System Engineer
Activities performed: Audit of SENELEC PSS®E model with focus to transformers earthing systems modeling.
Software used: PSS®E

LAST REFERENCES – POWER SYSTEM ENGINEERING - WITH CYME

- 2019 Name of assignment or Project: Dibamba power plant extension project
Year: February 2019
Location: Cameroon
Client: Dibamba Power Development Company
Main Project Features: Extension of existing 88 MW thermal power plant with additional 180 MW
Positions held: Power System Engineer
Activities performed: Integration studies of the extension of the Dibamba power plant into the Cameroon South Interconnected Network through a load flow, short circuit currents, contingency analysis and reactive margins determination at delivery point with CYME software.
Software used : CYME
- 2016 Name of assignment or Project: Grand Eweng hydropower plant project
Year: 2016
Location: CAMEROON
Client: Hydromine (New York, United States)
Main Project Features: 6 units, installed capacity of 6x200 MW
Positions held: Power system engineer
Activities performed: Integration studies of the hydroelectric power plant of Grand Eweng in the southern interconnected electrical network of Cameroon through a load flow, short circuit currents and contingency analysis.
Software used: CYME
- 2015 Name of assignment or Project: MEMVE'ELE hydropower plant project
Year: 2014 - 2015
Location: CAMEROON
Client: MINEECAM (YAOUNDE - CAMEROON)
Main Project Features: 4 vertical Francis turbines, installed capacity of 4x52,75 MW
Positions held: Power System Engineer
Activities performed: Integration studies of the hydroelectric power plant of Memve'ele in the southern interconnected electrical network of Cameroon through a load flow, short circuit currents analysis and transient stability analysis
- 2014 Name of assignment or Project: ADJARALA hydropower plant project
Year: 2014
Location: BENIN
Client: COMMUNAUTE ELECTRIQUE DU BENIN (CEB) (Cotonou - BENIN)
Main Project Features: 3 vertical Francis turbines, installed capacity 3x49MW
Positions held: Project and power system engineer
Activities performed: Detailed design and tender documents of energy evacuation works (high voltage transmission lines and switchyards)
Integration studies of the hydroelectric power plant of Adjarala in the electrical network of CEB through a load flow analysis and assessment of units ability to work as synchronous condensers
Software used: CYME
- 2012 Name of assignment or Project: KOUKOUTAMBA hydropower plant project
Year: 2011-2012
Location: GUINEA
Client: Organisation pour la Mise en Valeur du Fleuve Sénégal (Dakar - SENEGAL)
Main Project Features: 4 vertical Francis turbines, installed capacity 4x73,5MW
Positions held: Design Engineer
Activities performed: Integration studies of the hydroelectric power plant of Koukoutamba in the interconnected network of OMVS and OMVG (static analysis)
Software used: CYME

LAST REFERENCES – POWER SYSTEM ENGINEERING - WITH SCANNER, SMARTFLOW/EUROSTAG

- 2020 Name of assignment or Project: CLSG protection and defense plan
Year: 2020
Location : Cote d'Ivoire, Liberia, Sierra Leone, Guinea
Client: Transco-CLSG
Main Project features: Transmission system studies
Positions held: Power System Engineer
Activities performed:
Load flow and voltage compensation analysis studies for the different sequences of commissioning of CLSG system
Software used: SMARTFLOW/EUROSTAG
- 2020 Name of assignment or Project: OMVS floating PV Project
Year: January 2020
Location: Mali, Mauritania, Senegal
Client: OMVS (Organisation pour la Mise en Valeur du fleuve Sénégal)
Main Project Features: Floating PV plant of 200 MW on a hydro power plant dam reservoir
Positions held: Power System Engineer
Activities performed: Integration studies of a 200 MW floating PV plant on hydro power plant dam reservoir (static and dynamic studies)
Software used: SMARTFLOW/EUROSTAG
- 2019 Name of assignment or Project: KOSSOU PV Project
Year: November 2019 -December 2019
Location: Ivory Coast
Client: CI-ENERGIES
Main Project Features: Floating PV plant of 20 MW on the KOSSOU hydro power plant dam reservoir
Positions held: Power System Engineer
Activities performed: Integration studies of a 20 MW floating PV plant on the KOSSOU hydro power plant dam reservoir (static and dynamic studies)
Software used: SMARTFLOW/EUROSTAG
- 2019 Name of assignment or Project: Gridlink interconnection Project
Year: October 2019
Location: France/United Kingdom
Client: Baringa Partners
Main Project Features: HVDC interconnection transmission line of 525 kV between France and United Kingdom (156 km-1400 MW)
Positions held: Power System Engineer
Activities performed: DC Load flow and reliability analysis (B5 and B6 indicators calculation related to grid losses variation and security of supply respectively) with SCANNER software
Software used: SCANNER
- 2019 Name of assignment or Project: Burkina Faso system stability study for integration of renewable energy
Year: May to November 2019
Location: BURKINA FASO
Client: Ministry of Energy (PASEL)
Main Project Features: National interconnected network
Positions held: Power System Engineer
Activities performed: Probabilistic studies of Burkina Faso national network with the integration of photovoltaic power plants
Assessment of load curtailment, spinning reserve, generation costs and network constraints
Software used: SCANNER, SMARTFLOW/EUROSTAG
- 2019 Name of assignment or Project: Ghoubet Wind Farm
Year: June 2019
Location: DJIBOUTI
Client: EDD (Electricité de Djibouti)
Main Project Features: Ghoubet Wind Farm: 58.9 MW
Positions held: Power System Engineer
Activities performed: Probabilistic integration studies of Ghoubet Wind Farm in the Djiboutian grid with load curtailment and spinning reserve assessment
Software used: SCANNER
- 2019 Name of assignment or Project: Nigeria-Benin interconnection Project
Year: March 2019

LAST REFERENCES – POWER SYSTEM ENGINEERING - WITH SCANNER, SMARTFLOW/EUROSTAG

Location: Nigeria/Benin

Client: West African Power Pool (WAPP)

Main Project Features: Interconnection transmission lines of 330 kV between Nigeria (Ajegunle) and Benin (Onigbolo) (78 km)

Positions held: Power System Engineer

Activities performed: Load flow, short circuit currents and contingency analysis with EUROSTAG software

Software used: SMARTFLOW/EUROSTAG

LAST REFERENCES – ELECTRICAL EQUIPMENT STUDIES

- 2017 Name of assignment or Project: Tanjung Sakti HPP Project
Year: 2017
Location: Indonesia
Client: PT Indonesia Power
Main Project Features: hydroelectric power plant of 3 x 40 MW
Positions held: Project Engineer
Activities performed: Integration studies of Tanjung Sakti HPP: Design of HV transmission lines and switchyards, Power system analysis, Costs estimation of energy evacuation works
- 2017 Name of assignment or Project: Nam Lik hydropower plant project
Year: 2017
Location: LAOS
Client: Nam Lik 1 Power Company
Main Project Features: 2 horizontal bulb turbines, installed capacity 2x32,5 MW
Positions held: Project Engineer
Activities performed: Review of earthing system calculation notes
- 2016 Name of assignment or Project: Montagne d'Or transmission line project
Year: 2016
Location: FRENCH GUIANA
Client: Nord Gold
Main Project Features: 1 transmission line of 90kV, 120km (Citron – St Laurent du Maroni)
Positions held: Project Engineer
Activities performed: Prefeasibility and feasibility study of energy evacuation works with the electrical designing of transmission line (cross-section calculation under thermal, short-circuit, voltage drop and corona effect criterion, determination of economical cross-section)
- 2016 Name of assignment or Project: Nam Theun hydropower plant project
Year: 2016
Location: LAOS
Client: Electricity Generating Public Company Limited (EGCO)
Main Project Features: 3 vertical Francis turbines, installed capacity 2x265 MW+1x133 MW
Positions held: Project Engineer
Activities performed: Due diligence related to the hydroelectric power plants energy evacuation works designing. Review of 500 kV and 115 kV switchyards and transmission lines design.
- 2016 Name of assignment or Project: Kandadji hydropower plant project
Year: 2016
Location: NIGER
Client: Haut-Commissariat à l'Aménagement de la Vallée du Niger (HCAVN)
Main Project Features: 4 vertical Kaplan turbines, installed capacity 4x32MW
Positions held: Project Engineer
Activities performed: Detailed design and tender documents specification for energy evacuation works (132kV transmission lines and 132kV/33kV switchyard)
- 2016 Name of assignment or Project: 3 mini hydropower plants projects in Liberia (Gbedin falls, Ya Creek, River Gee)
Year: 2016
Location: LIBERIA
Client: African Development Bank and Rural and Renewable Energy Agency (ADB AND RREA)
Main Project Features: 3 mini hydropower plant projects and associated transmission lines
Positions held: Project Engineer
Activities performed: Feasibility study of the 3 mini hydropower plants and associated transmission lines (30kV, 66kV)
- 2016 Name of assignment or Project: Mong Hsat hydropower plant project
Year: 2016

LAST REFERENCES – ELECTRICAL EQUIPMENT STUDIES

- Location: MYANMAR
Client: Suntac Power
Main Project Features: 2 units, installed capacity 2x16MW
Positions held: Project Engineer
Activities performed: Feasibility study of energy evacuation works (33kV, 66kV and 132kV transmission lines and 132kV/33kV switchyards)
- 2015 Name of assignment or Project: FARKWA pumping station project
Year: 2015
Location: TANZANIA
Client: MINISTRY OF WATER (Dar es Salaam - TANZANIA)
Main Project Features: 6 pumping units, installed capacity 6x1,5MW
Positions held: Project Engineer
Activities performed: Detailed design and tender documents of the pumping station electrical systems
- 2015 Name of assignment or Project: PWALUGU hydropower plant project
Year: 2015
Location: GHANA
Client: VOLTA RIVER AUTHORITY (ACCRA - GHANA)
Main Project Features: Installed capacity 3x30MW
Positions held: Project Engineer
Activities performed: Feasibility studies of powerhouse electrical auxiliaries and energy evacuation works (161kV transmission lines and switchyard)
- 2015 Name of assignment or Project: 4 mini hydropower plant projects
Year: 2014 - 2015
Location: GUINEA
Client: ADMINISTRATION ET CONTROLE DES GRANDS PROJETS PUBLICS (ACGP) (Conakry - GUINEA)
Main Project Features: 4 mini hydropower plant projects, installed capacity of 2x3,15MVA, 3x1,25MVA, 2x24,5MVA, 2x15MVA
Positions held: Project Engineer
Activities performed: Detailed design and tender documents of energy evacuation works (high voltage transmission lines and switchyards)
- 2015 Name of assignment or Project: MEMVE'ELE hydropower plant project
Year: 2014 - 2015
Location: CAMEROON
Client: MINEECAM (YAOUNDE - CAMEROON)
Main Project Features: 4 vertical Francis turbines, installed capacity of 4x52,75 MW
Positions held: Power System Engineer
Activities performed: Integration studies of the hydroelectric power plant of Memve'ele in the southern interconnected electrical network of Cameroon through a load flow, short circuit currents analysis and transient stability analysis
- 2014 Name of assignment or Project: ARTIBONITE 4C hydropower plant project
Year: 2014
Location: HAITI
Client: SINOHYDRO CORPORATION LTD (Beijing - CHINA)
Main Project Features: installed capacity 2x16MW
Positions held: Project Engineer
Activities performed: Feasibility study of energy evacuation works (high voltage transmission lines and switchyards)
- 2014 Name of project: ADJARALA hydropower plant project
Year : 2014
Location: Benin
Client: Communauté électrique du Bénin (CEB)
Main Project Features: 3 vertical Francis turbines, installed capacity 3x49MW
Position held: Project Engineer
Activities: Detailed design and tender documents of energy evacuation works (high voltage transmission lines and switchyards)
- 2012 Name of assignment or Project: KOUKOUTAMBA hydropower plant project
Year: 2011-2012
Location: GUINEA
Client: Organisation pour la Mise en Valeur du Fleuve Sénégal (Dakar - SENEGAL)
Main Project Features: 4 vertical Francis turbines, installed capacity 4x73,5MW
Positions held: Design Engineer
Activities performed: Integration studies of the hydroelectric power plant of Koukoutamba in the interconnected network of OMVS and OMVG (static analysis) with CYME software.

LAST REFERENCES – ELECTRICAL EQUIPMENT STUDIES

- Energy evacuation works feasibility and detailed design studies coordination (high voltage transmission lines, high voltage switchyards)
- 2010 Name of assignment or Project: ANDEKALEKA hydropower plant project
Year: 2009 - 2010
Location: MADAGASCAR
Client: JIRAMA (Antananarivo - MADAGASCAR)
Main Project Features: Power plant extension works with two additional units G3 and G4, 2 vertical Francis turbines, total rated output of 76 MW
Positions held: Design Engineer
Activities performed: Checking of the generators technical specifications. Checking of the generators drawings. Checking of generators windings bars Factory Acceptance Tests results
- 2009 Name of assignment or Project: DISI MUDAWARRA water transfer project
Year: 2009
Location: JORDAN
Client: Gama Enerji (ANKARA - TURKEY)
Main Project Features: water transfer project from Disi Mudawarra to Amman
Positions held: Design Engineer
Activities performed: Pumping station transmission lines electrical losses calculation
- 2009 Name of Project : GRAND POUBARA hydropower plant project
Year : February- November 2009
Main Project Features : 4 vertical Francis turbines, installed capacity of 4x40 MW
Position held : Design Engineer
Activities performed : Units short circuit currents assessment
- 2008 Name of assignment or Project: Rural province of Guidimakha Xéri Kofo photovoltaic power plant project
Year: 2008
Location: MALI
Client: Association du Village de Sansangué pour le Développement
Main Project Features: Electrifications of the rural province of Guidmakha Xéri Kofo in Mali
Positions held: Project Manager
Activities performed: Designing of a photovoltaic power plant in an isolated network
- 2008 Name of assignment or Project: MACAGUA II hydropower plant project
Year: 2008
Location: VENEZUELA
Client: Electrificación del Caroni
Main Project Features: 2 Kaplan turbines, installed capacity of 86 MW
Positions held: Design Engineer
Activities performed: Checking of the generators technical specifications. Designing of technical room air heaters
- 2008 Name of assignment or Project: MARCONI hydropower plant project
Year: 2008
Location: ITALY
Client: Studio Frosio
Main Project Features: 2 Kaplan turbines, installed capacity of 32 MW
Positions held: Design Engineer
Activities performed: Designing of the generators and heat exchangers
- 2008 Name of assignment or Project: SOUBRE hydropower plant project
Year: 2008
Location: IVORY COAST
Client: CI-Energies ABIDJAN-PLATEAU (Abidjan - IVORY COAST)
Main Project Features: SOUBRE hydropower plant project
Positions held: Design Engineer
Activities performed: Substation Electrical network single line diagram update
- 2008 Name of assignment or Project: AMAILA FALLS Hydropower Plant Project
Year: 2008
Location: BRAZIL
Client: ANDRITZ HYDRO Inepar do Brasil S.A. (Barueri - São Paulo - BRAZIL)
Main Project Features: AMAILA FALLS Hydropower Plant study
Positions held: Design Engineer

LAST REFERENCES – ELECTRICAL EQUIPMENT STUDIES

Activities performed: Analysis of the generators electromagnetic parameters influence on the network stability

2006 Name of assignment or Project: Industrial project study

Year: 2006

Location: FRANCE

Client: Windspectra

Main Project Features: Study of a windmill farm electrical losses

Positions held: Student

Activities performed: Creation of a software calculating windmill electrical losses according to the wind speed

LAST REFERENCES – PROJECT MANAGEMENT – OWNER’S ASSISTANCE AND ENGINEERING

- 2017 Name of assignment or Project: Manantali hydropower plant project
Year: 2016 - 2017
Location: MALI
Client: Société de Gestion de l’Energie de Manantali (SOGEM)
Main Project Features: 5 vertical Kaplan turbines, installed capacity 5x40 MW
Positions held: Project Engineer
Activities performed: Supervision of overhaul and re-commissioning of units 1,2,4 and 5
- 2015 Name of assignment or Project: Project of the Electricity Sector Strengthening in Ivory Coast (PRSECI)
Year: 2015
Location: IVORY COAST
Client: CI-Energies ABIDJAN-PLATEAU (Abidjan - IVORY COAST)
Main Project Features: Supervision and control of Ivory Coast electrical networks strengthening works
Positions held: Project Engineer
Activities performed: Design review of transmission lines and switchyards, Project management
- 2014 Name of assignment or Project: DEVOLL hydropower plant project
Year: 2014
Location: ALBANIA
Client: DEVOLL HYDROPOWER (TIRANA - ALBANIA)
Main Project Features: Installed capacity of 39 MW
Positions held: Project Engineer
Activities performed: Factory Acceptance tests on 220kV circuit breaker of Moglicë switchyard in Alstom grid’s factory in Villeurbanne in France
- 2013 Name of assignment or Project: KALETA Hydropower Plant Project
Year: August 2012 – August 2013
Location: GUINEA
Client: ADMINISTRATION ET CONTROLE DES GRANDS PROJETS PUBLICS (ACGP) (Conakry - GUINEA)
Main Project Features: 3 vertical Francis turbines, installed capacity of 3X70 MW
Positions held: Project Engineer
Activities performed: Analysis and follow-up of the Contractor planning and Billings, Review and monitoring of technical correspondence relating to the lines and stations and hydro-mechanical Equipment, Drafting of notes to aid for decision making, projects mails, meetings reports, missions reports, Organization and management of field missions, Service Staff Training
- 2013 Name of assignment or Project: INGA hydropower plant project - FRIPT
Year: 2013
Location: CONGO (DEM. REP.)
Client: CONGO ENERGIE (KINSHASA - CONGO (DEM. REP.))
Main Project Features: Overhaul of unit G27 and G28, installed capacity 2x174MW
Positions held: Project Engineer
Activities performed: Analysis of bidders’ proposals regarding units electrical systems
- 2012 Name of assignment or Project: SHIRORO Hydropower Plant Project
Year: 2010 - 2012
Location: NIGERIA
Client: PHCN Power Holding Company of Nigeria Plc. (Abuja - NIGERIA)
Main Project Features: 4 vertical Francis turbines, installed capacity of 4 x 150 MW
Positions held: Project Manager
Activities performed: Provision of consultancy services for repair and overhaul of unit 411G2 at Shiroro hydroelectric power plant, Coordination with turbines and generators experts, Project contract, administrative Financial and technical management
- 2012 Name of assignment or Project: GIBE III Hydropower plant project
Year: 2009 - 2012
Location: ETHIOPIA
Client: EEPKO (Addis Ababa - ETHIOPIA)
Main Project Features: 10 vertical Francis turbines, installed capacity of 10x187 MW
Positions held: Design Engineer
Activities performed: Technical coordination of the electromechanical experts staff (around 10) in charge of construction drawings approbation
- 2012 Name of assignment or Project: Flood wall of the TIHANGE nuclear power plant
Year: 2011 - 2012
Location: BELGIUM
Client: Technum
Main Project Features: 3 nuclear reactors with an installed capacity of 3000 MW
Positions held: Project Manager
Activities performed: Assistance services to the definition of the Thiange nuclear power plant water intake hydromechanical Equipment,

LAST REFERENCES – PROJECT MANAGEMENT – OWNER’S ASSISTANCE AND ENGINEERING

Coordination with hydromechanical expert, Project contract, administrative, financial and technical management.

- 2010 Name of assignment or Project: MACAGUA I hydropower plant project
Year: 2010
Location: VENEZUELA
Client: EDELCA - Electrificación del Caroni (CARACAS - VENEZUELA)
Main Project Features: 6 vertical Francis turbines, total rated output of 900 MW
Positions held: Design Engineer
Activities performed: Factory Acceptance tests on stator winding bars in Electrozilla’s factory in St Petersburg in Russia
- 2012 Name of assignment or Project: KOUKOUTAMBA hydropower plant project
Year: 2011-2012
Location: GUINEA
Client: Organisation pour la Mise en Valeur du Fleuve Sénégal (Dakar - SENEGAL)
Main Project Features: 4 vertical Francis turbines, installed capacity 4x73,5MW
Positions held: Design Engineer
Activities performed: Establishment of bidding documents technical specifications and bill of quantities
- 2010 Name of assignment or Project: JIRAU hydropower plant project
Year: 2009 - 2010
Location: BRAZIL, CHINA
Client: ESBR (Belo Horizonte - BRAZIL)
Main Project Features: horizontal bulb turbines, installed capacity 44x76,5MW
Positions held: Design Engineer
Activities performed: Generators excitation system Factory Acceptance Test in Dong Feng’s factory in Chengdu in China.
Checking of generators drawings and calculation reports.
- 2010 Name of assignment or Project: GURARA Hydropower Plant
Year: 2008 - 2010
Location: NIGERIA
Client: FEDERAL MINISTRY OF WATER RESOURCES (Abuja - NIGERIA)
Main Project Features: 3 vertical Kaplan turbines, installed capacity 3x30 MW
Positions held: Design Engineer
Activities performed: Supervision of the erection works and units partial commissioning tests
- 2008 Name of assignment or Project: NANGBETO hydropower plant project
Year: 2008
Location: BENIN
Client: Communauté Electrique du Bénin (CEB)
Main Project Features: Rehabilitation of the generators voltage and speed regulators
Positions held: Design Engineer
Activities performed: Establishment of voltage and speed regulators technical specifications of the tender documents

LAST REFERENCES – ASSET MANAGEMENT

2020 Name of assignment or Project: Director asset management Mali

Year: August 2020

Location: Mali

Client: EDM S.A.

Main Project Features: 50 MWc photovoltaic power plant in Kita generating around 80 GWh/year into the Malian national Grid

Positions held: Director of the power plant

Activities performed:

- Supervision, operation and maintenance of the power plant:
 - Performances calculations and follow up
 - Supervision with the Scada system
 - Real time operation
 - Daily, weekly, monthly and quarterly generation forecasting and reporting
 - Diagnosis of equipment failures and planning of maintenance activities from level 1 to 5 (manufacturer level)

- Management of:
 - Technical O&M team,
 - Health, Safety and Environmental aspects of the site
 - Environmental and social compensation measures
 - Safety and security of the staff
 - Budget and finance control
 - Subcontractors contracting and follow up
 - Relationship with local authorities
 - Human resources

CERTIFICATION

I certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience.

Bathily