

# THUNDERBOLT TECHNICAL SERVICES LTD.

## COMPANY PROFILE

### 1.0 ABOUT US:

#### 1.1 The Firm

The Firm, Thunderbolt Technical Services Ltd was formed as a Company in 1997 in Kampala, Uganda. Since its inception the Company has successfully executed a number of Projects in the Fields of Electrical Engineering, Mechanical Engineering, Civil Engineering and Communications Engineering. Thunderbolt boasts of a team of highly experienced and competent staff. The Company is committed to Total Quality Management and Professionalism.

#### 1.2 Principle address

##### Uganda Office

Namulondo Road  
Block 227, Plot 380  
Bweyogerere Kakajo Zone  
P.O Box 71211 Kampala (Uganda)

Tel: +256312264992  
Fax: +256414285392  
Mob: +256772712519 / 9  
Email: admin@thunderbolt.co.ug  
Website: www.thunderbolt.co.ug

##### Southern Sudan

P. O Box 113  
Juba  
Plot 128 Hei Negil

#### 1.3 Banking Details

Barclays Bank  
P. O Box 2834  
Tel: 0414 – 346904

Stanbic Bank  
P.O Box 973  
Tel: 0414286829

#### 1.4 Names of Directors

Munyigula Geoffrey  
Senkubuge Saul  
Itaaga Swamit

#### 1.5 Summary of Key Personnel

##### 1.5.1 Permanently Employed Management Staff.

No	Name/ Title / Position	Professional Qualification	Period/ Field of Experience
1	Jimmy Bakayita General/ Finance Manager	B.Com.Accounting	5 years of experience in Finance Management
2	Paul Odipiyo Operation Manager	Higher Diploma in Electrical and Electronic Engineering	4 years in Mechanical works/ Managerial duties
3	Mirembe Deborah Accountant	B.Com.Accounting	4 years of experience in Finance Management
4	Nabutto Bazirio Human Resource Manager	Bachelor of arts (social sciences)	7 years experience

5	Alanyo Florence Sales Manager	Business Administration	8 years experience in Business Management
6	Mayende Christopher Procurement	Marketing, B.sc. Accounting & Finance	7 years experience
7	Esther Kirunda Receptionist	Diploma in Secretarial	3 years

### Permanently Employed Technical Manpower

No	Name/Title/Position	Professional Qualification	Period/Field of Experience
1	John Vianney Twinomugisha Technical Manager – Sudan	B.Sc. Civil Engineering	8 years in Civil Engineering works
2	Moses Isabirye Supervisor Civil works. Surveyor	Civil Engineering	7 years in Civil Engineering works Power station experience
3	Richard Mutabazi Supervisor Civil works	Civil Engineering	12 years in Engineering works
4	Edward Rutakunda Pipe Fitter/ Plumber	Plumbing works	12 years in water, Air cond. & CO2 Piping systems
5	Katete Richard Mechanical Supervisor	Mechanical Engineering	9 years in Mechanical works
6	Paul Musyoki K Welder Tig, Mig and Arc	Welding (Coded Welder)	15 years in Industrial welding systems Power station experience
7	Balyegisawa William Electrical Supervisor	Electrical and Mechanical Engineering Installation permit – Class C	20 plus years in Electrical Works Power station experience & general install.
8	Nsereko Geoffrey Electrical Technician	Electrical Installation Advanced course	10 plus years in electrical Power station experience & general install.
9	Matembe Abed Electrical Linesman	Electrical Installation	18years in electrical installation
10	Mugabira David Linesman	Electrical installation, Certificate in line construction	9years in electrical installation & Live construction
11	Kiwanuka Henry Linesman	Line training. Tower construction	18years in electrical installation, line construction and Tower construction
12	Walukagga Linesman	Line training, Certificate in Electrical installation	7years in line construction and electrical installation
13	Omala Linesman	Advanced certificate in Electrical Installation	20years in electrical installation and Line construction
14	Idi Onji Linesman	Electrical Engineering	13years in electrical installation and line construction
15	Kasumba Anthony Electrical Foreman	Electrical & Comm. Engineering	25 plus years in electrical & Telecom Power station experience & general install.
16	Seruzzi John Bosco Safety Officer	Electrical & Electronic Engineering	8 years experience Electrical works Trained in Operating Regulations for High Voltage

			systems (ORHVS)
17	Kiirya Samuel Electrical technician/ Technical Storekeeper	Electrical Installation	6 years experience in Electrical installation and Electronic works
18	Kitandwe Emmanuel Electrical Technician	Installation craft course part II	7 years in Electrical Power station experience & general install.
19	Mpasa Moses Electrical Technicians	Electrical Engineering Installation permit – Class B	25 plus years in Electrical & Mechanical
20	Muyingo David Electrical Technician	Electrical Inst. Craft course part II Installation permit – Class D	11 years in Electrical & Electronic Power station Experience & general install.
21	Gaine Pascal Electrical Technician	Electrical Installation	12 years plus in Electrical & Electronic Power Station
22	Ivan Nsubuga Electrical Technician	Craft Certificate	6 years in Electrical & Electronic Power station experience & general install.
23	Ojeke Alfred Electrical Technician	Electrical and Electronic Engineering Installation permit – Class B	7 years experience in electrical works

### 1.5.3 Part time Technical Manpower

No.	Name/Title/ Position	Profession Qualification	Period / Field of Experience
1	Kapngenywo – Kaps Project Supervisor	B.Sc.Mechanical Engineering	29 years working experience in Mechanical field
2	Rodgers Adai Protection & Commissioning Eng.	B.Sc. Electrical Engineering	18 years working experience in Electrical works
3	Allan Semakula Project Manager	B.Sc. Architecture Registered Architect	6 years Electrical & Mechanical projects supervision
4	Francis Kirudde	B.Sc. Environment Engineering Registered Architect	8 years HSSE Management, Supervisor and Trainer
5	Venansio Senoga Welder/ Fabricator	Diploma in Mechanical Engineering	12 years Industrial works power station experience
6	Godffrey Busulwa Supervisor Pipe fitting /Plumbing	Diploma in Mechanical Engineering	20 years in Water, Fire and CO2 Piping systems power station experience
7	Kibe Gerald fitter	Certificate in Mechanical Engineering	8 years experience in Mechanical works
8	Francis Mwololo Mutungwa Fitter	Certificate in Mechanical Engineering	16 years working experience in Mechanical field
9	Wilfred N. Nyambane Welder	Certificate in Welding and Fabrication Grade 1	12 years experience power station experience

## **2.0 SERVICES**

### **2.1 Electrical Engineering**

Thunderbolt's involvement in the field of Electrical Engineering has mainly centred on;

- Installation of Power Station electrical systems.
- Installation of Sub stations HV and MV.
- Installation of distribution switch boards and machine control panels.
- Lighting Protection.
- Earthing works.
- Electrical wiring for Commercial, Industrial and Domestic buildings.
- Transmission line construction LV, MV and HV.
- Installation of Diesel Generating sets and commissioning.
- Assembling, Maintenance and repair of electrical and electronic equipment.
- Installation of Automatic fire alarm systems.
- Installation of B.M.S and Security systems
- Street lighting, Sports arena's lighting.
- Solar power installations

### **2.2 Mechanical Engineering**

Thunderbolt provides a wide range of Mechanical Engineering services installations and repairs for Turbine, Generators, Gantry Cranes, Water Pumps and Filtration systems, Water and Fuel, Air conditioning and Ventilation systems (HVAC) for industrial, commercial and domestic. Plumbing systems for fire sprinklers and CO2, and normal water.

### **2.3 Civil Engineering:**

Thunderbolt has contributed and participated on many Civil works project; such as Today region (East Africa) is experiencing growth in the sectors of Infrastructure and construction of buildings, bridges, Sub-stations structure foundations, Generator Plinth and general construction works

### **2.4 Communications Engineering:**

Thunderbolt is at the forefront in expanding the communications and Telecommunications network in the region we are participating in the installation of a MTN, WARID AND GEMTEL a number of Communications Equipment.

### **2.5 Social Investment:**

Thunderbolt has made significant contribution to projects that benefit the Community as a whole, with the sole purpose of raising the living standards and quality of life of these communities. We undertake industrial training with student intern from Universities and Colleges in the country.

As well, Thunderbolt supports recreation and sporting activities.

### **2.6 Environment:**

Thunderbolt is committed to the principle of integrated Environmental management. Preservation of Cultural and historical heritage is also an integral part of Thunderbolt Environmental strategy.

## 2.7 Safety and Quality Management System:

Thunderbolt has implemented a safety and quality management system in all its work/activities. Emphasizing :-

- Use of work Packages/ Checklist
- Documentation system
- Quality manual
- System audit and record keeping

## 3.0 PROJECTS

### 3.1 Current Projects

Item	Description	Period
1	Rwanda rehabilitation and extension of two Substations (2) Mukungwa I and Gikondo substations. By AREVA Sweden	Due for completion
2	Maintenance works for Electrical with Shell Uganda country wide	Due for completion
3	Electrical and generator maintenance at Stanbic Bank Uganda country wide	Due for completion
4	1no. Civil work projects in South Sudan	Due for completion

Date	Details
Contract Name	URGENT ELECTRICITY REHABILITATION PROJECT. (UERP) Electrical and mechanical installations for Birembo, Kigoma, Jabana, Karongi, Kibogora and Mururu. Also Mashauza Byumba and g Gatuna Substations. Including HV and LV line works
Client	AREVA T&D A.B.(Sweden)
Contract period	December 2008 to Feb 2010
Contract name	REHABILITATION AND EXTENSION. Electrical and mechanical installations including 2nos. 15KVA Transformer
Client	AREVA T&d A.B. (Sweden)
Contract period	September 2010 to December 2010

### 3.2.0 Past Contracting Experience

#### 3.2.1 Civil Works

Date	Details
Contract Name	Civil Works for 132KV out door substation for unit 13 Supply of Manpower for electrical, Mechanical Installation Plant hire Services at Owen Extension Project Unit 13
Client	ALSTOM Power Generation A.B.(Sweden)
Contract Period	September 2001 to July 2002

### 3.2.2 Refurbishment and Extension works

Date	Details
Contract Name	Refurbishment and Extension of Lugogo and Mutundwe Substations (Sub – Contractor) Erection of Steel Structure and Switchgear Installation of Control Panel and Protection Equipment Assembling and connecting a 40MVA, 132/11KV. Transformer. Assembling and connecting 2x 20MVA, 132Kv transformers and all associated outdoor Apparatus, Earthing and shielding, conductor stringing Cabling and terminations
Client	A.B.B. Limited Uganda
Contract Period	July 2003 to February 2004

### 3.2.3 Supply of Manpower

Date	Details
Contract Name	Supply of Manpower for electrical Installations & Plant hire Services at Owen Falls Extension Project Unit 14 & 15. Mechanical works on Turbine water cooling & Drainage water systems.
Client	ALSTOM Power Generation A.B. (Sweden)
Contract Period	March 2004 to January 2006

### 3.2.4 Scada Adaptation works

Date	Details
Client	ABB UGANDA
Contract Period	October 2005 – 2006

### 3.2.5 Electrical works

Date	Details
Contract Name	Electrical works Gemtel Switch at Yei South Sudan Erection of 2no.300KVA Gen-set,60no.45KVA Gen. sets Electrical works for regional BTS's in southern Sudan Earthing and cabling, Air conditions etc.
Client	Gemtel Limited
Contract Period	August 2007 to September 2007

### 3.2.6 Electrical Installation works

Date	Details
Contract Name	Electrical Installation MTN MBUYA II SWITCH. - Reticulation, Basket tray, Condituing, Small power & light Batteries and Rectifiers, etc.
Client	MTN UGANDA
Contract Period	May 2007 to August 2007

### 3.2.7 Erection of Prefabricated Housing units

Date	Details
Contract Name	Erection of Prefabricated Housing units GOSS

	Presidential Office, Min. of Health Offices, Min.of Local Gov. Min. of Internal Affairs. Etc
Contract Period	January 2007 – September 2007

### 3.2.8 Rehabilitation of Government of Southern Sudan (GOSS) Houses

Date	Details
Contract Name	Rehabilitation of GOSS Houses in Juba Re – roofing, Plastering, Concrete works plumbing and electrical works
Client	Ministry of Housing. Government of South Sudan/COVEC
Contract Period	November 2006 to September 2007

### 3.2.9 Electrical installation

Date	Details
Contract Name	Electrical installation upgrading of all Stanbic Bank Branches in Uganda.(Former UCB branches)
Client	Stanbic Bank Uganda
Contract Period	June 2003 – 2006

### 3.2.10 Electrical and Mechanical Installation

Date	Details
Contract Name	Electrical and Mechanical Installations at MTN Head Offices (MTN Towers) Installation of normal and UPS power reticulation Busbar rising mains Air conds. Including minor civil works.
Client	MTN UGANDA
Contract Period	December 2006 to June 2007

### 3.2.11 Electrical and Mechanical Installations

Date	Details
Contract Name	Electrical and Mechanical Installations at Sheraton Hotel Kampala
Client	Installation and Commissioning of 2no. 6.30KVA generator sets and 1 No. Automatic Mains Failure Panels of Installation of attenuators for 3 No. Generator sets Civil works to make good and fair finish Installation of L.V distribution panel for the Hotel
Contract Period	July 2006 to December 2006

### 3.2.12 Electrical Installations

Date	Details
Contract Name	Electrical installations at World Food programme (W.F.P) new regional offices, Kampala Installation of small power and lighting, Main LV panel, AVS, UPS, Generator set 500 KVA etc.
Client	MTN UGANDA
Contract Period	December 2001 to March 2002

### 3.2.13 Electrical Installation

Date	Details
Contract Name	Electrical Installation and Gen-set Installation at MTN Stanbic Bank Switch, Incoming power supply, Mains supply Standby Generator Set 2dx200KVA, Main Distribution Board UPS and Normal power distribution
Client	Installation and Commissioning of 2no. 6.30KVA generator sets and 1 No. Automatic Mains Failure Panels of Installation of attenuators for 3 No. Generator sets Civil works to make good and fair finish Installation of L.V distribution panel for the Hotel
Contract Period	July 2005 to August 2005

### **3.2.14 Service and Maintenance**

Date	Details
Contract Name	Service and Maintenance Contract Carry out Electrical maintenance works Identify control and preventive measures
Client	MTN UGANDA
Contract Period	January 2003 to October 2003

### **3.2.15 Service and Maintenance of Diesel Generating sets**

Date	Details
Contract Name	Service and Maintenance of Diesel Generating sets countrywide contract - Service and repair of Diesel Generating sets and Maintenance
Client	Stanbic Bank – Uganda
Contract Period	February 2004 on going

### **3.2.16 Fencing of National Electricity Corporation**

Date	Details
Contract Name	Fencing of National Electricity Corporation including renovation of offices
Client	Ministry of Housing and Utilities GOSS
Contract Period	June 2007 – on going

### **3.2.17 Renovation**

Date	Details
Contract Name	Renovation of Training Centre
Client	Bank of Southern Sudan
Contract Period	May 2008 – August 2008

### **3.2.18 Renovation**

Date	Details
Contract Name	Renovation of Ivory Bank Main Tower
Client	Ivory Bank South Sudan
Contract Period	July 2008 – December 2008

### **3.2.19 Building**

Contract Name	Building BTS for Uganda Warid
Client	Accelerate Technology Company Limited
Contract Period	2 <sup>nd</sup> November 2007 – 8 <sup>th</sup> November

#### **4.0 Quality and Safety Polices**

##### **Statement of policy for Quality Assurance**

Thunderbolt Technical Services policy demands a systematic pursuit of Quality in the implementation of its assignments. Quality Assurance is an essential part of good Project Management. Good Project Management contributes to the achievement of quality through the analysis of the task to be performed, the identification of the skills required, the selection and training of appropriate personnel, the use of the correct equipment, the creation of a satisfactory working environment and recognition of the responsibility of the individual who is to perform the task

Thunderbolt Technical Services Ltd has a Quality Management System involving set procedures and organization which it uses to achieve quality objectives with regard to the requirements of its assignments. The effectiveness of our Quality Assurance System is periodically and systematically reviewed and any opportunities for improvement are incorporated by formal amendments.

Our Quality assurance system is overseen by the Technical Manager and briefly involves;

- Ensuring that the company activities follow procedures which secure the specified qualities of the final products
- Preparing and implementing work procedures for all assignments.
- Holding inspections
- Ensuring the dispatching of construction drawings, procedures or relevant documents
- Preparing and checking execution forms
- Training of personnel
- Calibration and maintenance of equipment
- Proper management of records and report

#### **4.2 Safety, Health & Environment Policy**

The management of Thunderbolt Technical Services Limited is committed to providing a safe, healthy and pleasant environment for our employees and the public at large and to guarantee that this remains sustainable for the benefit of all.

In fulfilling this policy, the company shall:-

- Comply with the statutory regulations and our Safety, Health & Environment guidelines to the best of our ability.
- Establish ways of identifying, monitoring and controlling and where possible eliminate safety, health and environment hazards associated with all our activities.
- Involve all employees in converting our Safety, Health & Environment plans into actions and practices through sensitization programs.

**GEOFFREY MUNYIGULA**

**Managing Director**

## 5.0 Plant and Tools List (Uganda)

ITEM	REG/MAKE	CAPACITY	OWNED/HIRED	CONDITION
DAF Lorry/Crane	UAL 052L	10 Ton/3axle	Owned	Working
Truck Crane	UAF 016F	3 Ton crane/7Ton bed	Owned	Working
Toyota D/Cab P/UP	UAF 293F	1 Ton	Owned	Working
Toyota Saloon car	UAG 267S	1 Ton	Owned	Working
Toyota Mobile Van	UAJ 623F	1 Ton	Owned	Working
Toyota Mobile Van	UAJ 892N	1 Ton	Owned	Working
Toyota Mobile	UAH 775P	1 Ton	Owned	Working
Concrete Mixer	Winget	350 Lt (Nos)	Owned	Working
Electric Vibrator		2	Owned	Working
Welding set	Norweld- Norway	2 sets	Owned	Working
Carpentry Tools	Anant - India	4 sets	Owned	Working
Plumbing Tools	Mant - UK	4 sets	Owned	Working
Electrical Tools	Various	Lot	Owned	Working
Electrical Tools	various	Lot	Owned	Working

NOTE: VARIOUS PLANT AND EQUIPMENT ARE AVAILABLE FOR HIRE IF NEED ARISES.

### TOOLS LIST

ITEM NO.	TOOLS
1	Magnetic drilling machine 220V Milwaukee inkl. drills
2	Power plant 220V 2.4Kw Bosch
3	Drilling machine 220V AEG
4	Big grinding machine 230mm 220V Metabo
5	Small grinding machine 125mm 220V Bosch
6	Saber saw 220V DE Walt
7	Jig saw 220V Milwaukee and Atlas Copco
8	Drilling hammer Hilti 220V
9	Drilling machine 28V Battery Milwaukee
10	Saber saw 28V Battery Milwaukee
11	Drilling hammer 28V Battery Milwaukee
12	Drilling machine 28V Battery Milwaukee
13	Measuring wheel
14	20m measuring tape
15	Extension cord 220V
16	Set of socket wrench ½ tum
17	Impact hammer 12V Battery Dewalt
18	Stripper for HV cables
19	Drilling hammer 220v Bosch
20	Torque wrench 0-50mm
21	Torque wrench 50 – 300mm
22	Wire block 500kg

23	Wire "holder"
24	Shackle
25	Lifting stap
26	Big pipe wrench
27	Big bult cutter
28	Crow bar
29	Big ring spanner
30	Big sockets
31	Gas burner
32	Hand riveter
33	Set of socket wrench iron side
34	Cable drums holder 3ton
35	Cable drums holder small
36	Crimping tool for cable lug 0.5 – 6mm
37	Crimping tool for cable ends
38	Battery hydraulic crimping tool – Elpress V1300
39	Set of steel hole saw
40	Cable cutter
41	TEAB.s skylife Oil & Steel
42	Arc welding machine
43	Mig welding machine
44	Tig welding machine
45	Gas cutting set
46	415 watts Extension panel
47	Bench vices
48	Angle grinders
49	Greasing gum
50	Extension cables 3/1 phase
51	Scaffolds
52	Ladders
53	Safety belts
54	Spanners box/fixed/ring and adjustable
55	Vibereck
56	Bearing puller
57	Files
58	Chisels
59	Ropes
60	Chain blocks
61	Welding masks
62	Gas regulator oxygen/acetylene/argon
63	Try squares
64	Hummers
65	Spirit levels
66	Villa gauge
67	Drill machine – 13mm
68	Pull lift 1½ T
69	Pull lift ½ T
70	Pull lift 3T

71	Tirfor 3T
72	Tirfor 1½ T
73	Hook ladder
74	Ropes 30mtrs
75	Come along 150
76	Come along still 250
77	Come along 250
78	Come along 100
79	Come along 50
80	Bolt cutters 60
81	Bolt cutters 90
82	Pipe wrench 55cm
83	Pipe wrench 40cm
84	Pipe wrench 22cm
85	Rolers
86	Life saver belt
87	Lifting stropes
88	Power ratchet spanner
89	Ratchet spanner
90	Socket spanner set
91	Power extension 10A
92	Box spanners set
93	Measuring stick
94	Nut cruck
95	Cold chisel
96	Pojal chisel
97	Adjustable pliers
98	Pliers