



Kataate Hospital Project

Partnership for Health Transformation



Dr. Holger Listle



**Stiftung Solidarität und Gerechtigkeit
(Solidarity & Justice Foundation, Germany)**



**ULTRASOUND SCAN PROJECT
(Co-funded by Stiftung Solidarität und Gerechtigkeit, Germany)
QUARTERLY REPORT : AUGUST- OCTOBER, 2021**



KANUNGU HEALTH CENTRE IV- KATAATE HOSPITAL PROJECT
P.O BOX 48, KANUNGU, UGANDA, EAST AFRICA
www.katate-health-center.de

Tel: +49 176 61715968, +256 777 408381

Email: chifcodcommunityhealth@gmail.com

1) Background:

Uganda sadly remains one of the poorest countries in the world with conspicuous income and resource inequalities, significantly affecting equity, access, efficiency, quality and sustainability of social services and quality of life for its rural poor population. Kanungu District, located 432.34 km from Uganda's capital is one of the under- served and most marginalized rural areas. The situation is worsened by poor infrastructure especially the roads that are impassable during rainy seasons, making it one of the most hard- to stay in areas.



Kataate is the main hospital for the people of Kanungu Town and surrounding areas

Like many government health facilities in Uganda, the infrastructure at Kataate was old and dilapidated, stocks insufficient, staff absent and demoralized, no running water, unreliable power and no staff accommodation. The health unit operated for over 80 years without an operation theatre, so pregnant mothers would be referred to distant and (or) hospitals on dangerously rough and bumpy roads risking the lives of the mothers and their unborn babies. The cost of a single cesarian section would require a family to sell their land or house, further worsening the poverty crisis in this Sub- Saharan 'pearl' of Africa. Pregnancy in itself was a burden, a disease and a crime in some homes and communities. It should also be noted that the penetration of contraceptives and family planning services in this community is still minimal.

Since 2015, Dr. Holger W. Listle, a German surgeon has partnered with CHIFCOD- a local NGO and Great Lakes Regional University in Uganda and led efforts to mobilise a synergy of user-community- based, Kanungu District Local Government, Uganda's Ministry of Health and global partners for a vision to renovate, upgrade and sustain infrastructure, human resource and quality of care standards at Kanungu Health Centre IV- Kataate. Dr. Holger Listle is the Executive Director, main donor and international promoter of the hospital project. The intervention of Dr. Holger Listle is such a blessing for our mothers, children and entire community. His support has enabled us to, among others, achieve these milestones;

a) Construction of a brand new operation theatre



- b) Procurement of equipment for theatre
- c) Recruitment of 17 additional staff including 2 medical doctors and staff for theatre, and payment of their salaries.
- d) Renovation of all patient wards and OPD.
- e) A 5KvA HS10000 Solar battery and diesel generator backup power system
- f) Renovation and extension of staff quarters
- g) 2 medical camps; general (2020) and surgical (2021), among other infrastructure and human resource improvements.

His support has made it possible for Kataate to emerge as an oasis for dignified quality health care for the people of Kanungu District and beyond, and has received user-community and government recognition.



Transformation of infrastructure. The building on the right hosts the scan room

2) Problem Statement: June, 2021.

The current rate of maternal and perinatal mortalities in Uganda is unacceptably high. Uganda's Maternal Mortality Rate (MMR) remains one of the highest in Uganda, with 440 deaths per 100,000 live births. In Uganda, one woman out of every 49 dies of a complication related to pregnancy or childbirth. Somewhere in Uganda, especially in hard-to-reach, under-served areas such as Kanungu, approximately 19 mothers will die everyday as a result of maternal complications including haemorrhage, sepsis, effects of abortion, eclampsia and obstructed labour. Neonatal mortalities have been related to infections, birth asphyxia, birth injuries, preterm birth and birth defects. In 2018, Kanungu HCIV recorded 7 maternal deaths and 13 perinatal deaths.

Causes of maternal and perinatal deaths audited, are conditions for which timely ultrasound imaging could have been of immense help for early diagnosis and appropriate intervention. The scan reports could have terminated the scenes of sorrow, mourning and depression that couples, families and communities suffer from death of babies and mothers. In particular, ultrasound technology is useful for diagnosis and intervention in the first trimester where mothers' conditions of ectopic pregnancy, abortion risks and gestational throphoblastic diseases account for most maternal mortalities due to possibility of severe haemorrhage, shock or sepsis.

3) Solution: Colour Doppler Ultrasound Scan Technology:

Colour Doppler technology helps to visualize the movement, speed and direction of blood flow in colour. The purpose of a Doppler ultrasound scan is to check blood flow. Clinicians use the findings to determine whether there is a blockage, narrowing or leakage in a blood vessel. Colour Doppler uses sound waves to create images of how a person's blood is flowing through their veins and arteries.

Ultrasound scan imaging is important for the detection of markers for chromosomal anomalies and structural defects in the fetus to enable early interventions. The application of ultrasound imaging will improve survival rates of deaths caused by ectopic gestation. The transvaginal probe will be able to reliably identify the gestational sac as either normal or abnormal intra-uterine. The other benefit of ultrasound scan imaging shall be the estimation of gestational age, particularly for those who cannot recall their last menstrual period or those who do not have a regular 28 day menstruation cycle for purposes of timely preparations for delivery.

Thus, this project is critical to accelerate the efforts of our initiative to reduce maternal and perinatal deaths for our anticipated 150 obstetric and paediatric users per month. The machine will also assist in emergency care for complications after surgery. The machine will provide assessment for clients to be preferred for specialized treatment and (or) surgery. To be specific, the machine will have capabilities to diagnose aspects such as;

- a) Changes in blood flow during pregnancy or in the fetus.
- b) Organ analysis for breasts, testicles etc
- c) Blood clots
- d) Bulging arteries/ aneurysms
- e) Blood flow problems with liver, spleen, pancreas, kidneys and limbs (superficial thrombophlebitis) etc
- f) Changes in blood flow following surgery
- g) Carotid artery stenosis
- h) Heart valve defects and congenital heart disease
- i) Blocked arteries/ arterial occlusion
- j) Thromboangiitis obliterans, a rare disease that causes blood vessels in hands and feet to swell.

4) About the Machine: Landwind EX20

The machine intended for purchase is an EX20 Digital Colour Doppler Ultrasound Diagnostic System. EX20 enables doctors to save their own preferred parameters and settings and thus enhances efficiency. Based on advanced processing platform, EX20 offers high volume rates in

real time scanning for excellent image quality and unprecedentedly optimized user experience for our personnel. The machine offers solid image quality, multiple measurement packages including advanced 4D packages and excellent image processing technology including;

- a) PIHI (Pulse Inverse Harmonic Imaging) – capacity to improve image overall uniformity with high resolution and a high penetration than traditional tissue harmonic imaging.
- b) Speckle reduction imaging/ LanSRI
- c) Spatial compounding imaging/ LanBeam

5) Special Ultrasound Capabilities of the Landwind EX20 Machine:

- a) Colour Flow Peak Velocity Capture
- b) Anatomical M- Mode (up to 3 lines)
- c) Tissue Doppler imaging
- d) Real- time 3/4D imaging
- e) Superior operation experience
- f) Extensive ultrasound function
- g) Optimised clinical image

6) Initial Package:

- a) Landwind EX20 Colour Doppler ultrasound machine (warranty: 18months)
- b) Convex probe
- c) Linear probe
- d) Transvaginal probe
- e) Black& White printer
- f) Colour printer (refurbished)
- g) Trolley





Presentation of the machine to the community

7) PROJECT FUNDING:

S/N	ASPECT	AMOUNT (UGX.)	SOURCE
1	PAYMENT FOR EX20 LANDWIND DIGITAL COLOUR DOPPLER ULTRSAOUND SCAN MACHINE (Supplier: Elbow Engineering Co. Ltd.) July, 2021	56,500,000=	Stiftung Solidaritat und Gerechtigkeit (Solidarity& Justice Foundation, Germany)
2	RENOVATION OF OPD BLOCK (Work Station of the Machine) February- March, 2021	26,775,000=	Dr. Holger Listle
3	EXTENSION OF SOLAR ELECTRICITY/ UNINTERRUPTIBLE	3,885,000=	Dr. Holger Listle
Sub- Total/ Dr. Holger		30,660,000=	
4	FURNISHING SCAN ROOM (Additional burglar- proof door, Examination couch, 3 chairs, work desk, shelves,Labels, curtain.	2,640,000=	Local Contribution
5	SALARY FOR RADIOGRAPHER (3 Months X 700,000=)	2,100,000=	Local User Collections
6	Usables (Sono paper& gel)	285,000=	Local User Collections
Sub- Total/ Local Contribution		5,025,000=	
TOTAL PROJECT COST		92,185,000= (Approx. €22,484)	



8) Commissioning Ceremony: 12th August 2021



9) Results:

S/N	Investigation	August	September	October	Total	Revenue (UGX.)
1	Obstetric scan	67	41	65	173	1,730,000=
2	General Investigations	60	48	43	151	3,020,000=
3	Monthly Total	127	89	108	324	Approx. 1,583,000=
Quarterly Projection				5,430,000=		4,750,000=
Revenue Performance						87%

Acquisition of the machine has markedly reduced maternal and perinatal deaths at our hospital as shall be evidenced by our mid- year report at the end of December, 2021. The machine is also aiding our training programme for 34 student nurses and midwives from neighbouring training institutions.





10) Appreciation to Stiftung Solidarität und Gerechtigkeit:

The user community, staff and partners of our hospital project are grateful to you, Dr. Thomas Thewalt and your foundation board and trustees for supporting our diagnostic enhancement with this superior machine. The digital colour Doppler ultrasound machine will address maternal and child health- related issues as our medical teams shall now make proper diagnoses as required for mothers and other clients. The machine will make a critical contribution to the reduction of maternal, perinatal and other deaths that can be prevented by quality ultrasound scan imaging.



11) Commitment:

We pledge to preserve and sustain this precious gift, upholding the principles of equity, respect, non-discrimination, confidentiality, informed consent, right to self-determination, transparency and accountability. We look forward to continued partnership to improving healthcare for the poor people living in rural South-Western Uganda, as we jointly strive to level inequalities and achieve a globally fairer world.



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Martin Atukwase,
Hospital Project Administrator



.....
Dr. Holger Listle
Executive Director, Kataate Hospital Project

About Kataate Diamond Jubilee Hospital Project

A synergy of government, community-based and global partners to build, enhance and sustain quality healthcare service delivery at Kanungu Health Centre IV- Kataate, Kanungu District, Uganda. CHIFCOD, Great Lakes Regional University and Dr. Holger Listle are leading this initiative.





Elbow Engineering Co. Ltd

P.O. Box 40229 Nakawa Kampala, Uganda
Tel +256 773 828546 +256 781144996
+256 701162403 +256 702928264
elbowengineering.co.ltd@gmail.com

DATE: 12th August, 2021

CUSTOMER:

KANUNGU HEALTH CENTRE IV
KATAATE DIAMOND JUBILEE
HOSPITAL PROJECT

DELIVERY NOTE

Please receive the following goods delivered in good working condition:

- ① Digital Color Doppler Diagnostic Scanner
(EX20) with
 - Transvaginal probe
 - Convex probe and
 - Linear probe.
- ② White & Black printer.

Thank You

Delivered By: KAKAIRE EMMANUEL (Elbow Engineering Co. limited)

Received By: ATUKWASE MARTIN, Administrator,
CHIFOD - Kataate Diamond Jubilee Hosp.
Project





Elbow Engineering Co.Limited
 Bank of Africa building Nansana -Masitoowa
 P.O. Box 40229 Nakawa Kampala, Uganda.
 Tel +256 773828546 +256 701162403
 +256 702928264 +256 781144994
 elbowengineering.co.ltd@gmail.com

PROFORMA INVOICE

CONSIGNEE:

KATAATE DIAMOND JUBILEE HOSPITAL PROJECT
 OF KANUNGU HEALTH CENTRE IV
 Attn: Administrator

Proforma Invoice No.	Proforma Invoice Date
0012/May/2021	5/14/2021
Order no.	Date.
Call	5/14/2021

MEDICAL EQUIPMENT

DATE	ITEM No.	DESCRIPTION	QTY.	RATE (Ugx)	AMOUNT (Ugx)
5/14/2021	1	Landwind EX20 Color dopler ultrasound machine	1	53,000,000.00	53,000,000.00
		delivered with	1		
		A convex probe	1		
		Liner probe	1		
		Trans-vaginal probe	1		
		black and white printer	1		
	2	Refurbished color printer	1	3,500,000.00	3,500,000.00
ACCOUNT DETAILS: Name: Elbow Engineering co. ltd Number: 3100067646 Centenary bank					
TOTAL					56,500,000.00

Warranty on spare parts: 18 months from date of delivery and only covers manufacturers errors. 1 year free maintenance and service

PAYMENT TERMS: 85% WITH ORDER and balance on delivery
DELIVERY PERIOD: Two to Three weeks from the time of order

Prepared by: Sajjabi Nicholas

SALES, INSTALLATION, MAINTENANCE AND REPAIR OF MEDICAL, HOSPITAL AND LABORATORY EQUIPMENT





Elbow Engineering Co. Ltd

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Bank of Africa building Nansana -Masitoowa
P.O. Box 40229 Nakawa Kampala, Uganda.
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elbowengineering.co.ltd@gmail.com

Date: 15th June 2021

RE: AGREEMENT FOR SALE OF EX20 LANDWIND ULTRASOUND MACHINE:

This agreement is made on this 15th day of June 2021 between M/s. **Elbow Engineering Co. Ltd**, of NANSANA, WAKISO Uganda, (hereinafter referred to as 'the Company'/the seller which expression shall where the context so admits shall include his assignees , administrators and successors in Title) of the One Part

AND

Kataate Diamond Jubilee Hospital Project of KANUNGU Health Centre IV, Kanungu District (hereinafter referred to as 'the buyer which expression shall where the context so admits shall include his assignees, administrators and successors in Title) of the Other Part.

WHEREAS the Company is a Company Limited by Shares and engaged in the business of importing, selling and repairing of Medical Equipment, and which is particularly described in the Schedule hereunder written.

AND WHEREAS the buyer is desirous of utilizing ultrasound imaging technology with an aim of reducing maternal, prenatal and other death and improving the quantity of health care in kanungu district and has requested the Company to import, deliver and install the said medical equipment on the payment terms .

AND WHEREAS the Company has agreed to do so on the following terms and conditions agreed upon between the parties.

NOW IT IS AGREED BY AND BETWEEN THE PARTIES AS FOLLOWS:

1. The Company agrees to import, deliver and install over to the buyer the said machinery and equipment described in the Schedule hereunder within **two** weeks from time of order.
2. The buyer is to inspect, on delivery the medical equipment before taking possession and is to satisfy that it is in good and working condition and acknowledges delivery of the same to him by the Company and agrees to hold it on the terms and conditions hereinafter mentioned.
3. The total cost or purchase price of the said medical equipment is fixed at USHS **56,500,000/- (fifty six million five hundred thousand only)**.
4. The buyer is to pay **85% (UGX 48,025,000)** deposit with order and the balance on delivery.



5. The seller agrees to indemnify and keep indemnified the buyer against any loss the buyer may suffer due to manufacturers' defects and this will only be during the warranty period.
6. The Company gives warranty for only 18 months from the date of delivery on spare parts and labor. The spare parts warranty covers only manufacturer's defects if any.
7. If the said medical equipment or any part thereof goes out of order and requires repairs of a substantial nature the work of repairs will be carried only through a mechanic appointed by the Company and this applies only when the warranty period mentioned above is still ongoing.
8. This agreement shall be deemed to have commenced from the date of **order** and will remain in force for a period of **18 Months** from the date of **delivery**.
9. The said medical equipment shall become the property of the buyer on completion of the last installment.
10. The Company declares that
 - (a) That the said medical equipment is free from any charge or encumbrance in favor of any third person.
 - (c) The said machinery and equipment is new.
11. If on the termination of this agreement by efflux of time or otherwise, the buyer/seller who fails to adhere to the contract, without there being any dispute the buyer/seller will be entitled to file a suit or take other proceedings to recover possession thereof and the buyer/seller will be liable to pay all the costs, charges and expenses incurred by the buyer/seller, in that behalf subject to any order of the Court.
12. All payments shall be made to the company (seller) account by direct bank account transfer/cheque.
13. In the event of any dispute or disagreement arising not of this agreement, the matter shall be referred to a Single independent Arbitrator to be mutually agreed upon by the Parties and failure of which the court shall be called upon to appoint one. Failure to settle such matter shall be referred to a competent court of law.

Description of the equipment

1. Landwind EX 20 color dopler ultrasound machine delivered with:
 - i. Convex probe
 - ii. Liner probe
 - iii. Endo vaginal probe
 - iv. Black and white printer
2. Refurbished Color printer

Account number: Name: Elbow Engineering Co. Limited
Number: 211206000076



WITNESS WHEREOF the parties have hereunto set their respective hands the day and year first above written.

SIGNED for and on behalf of
ELBOW ENGINEERING CO. LIMITED

WAKAZA ABEL
SELLER

In the presence of

WAKAZA ABEL
WITNESS 
PROJECT

SIGNED for and on behalf of
KATAATE DIAMOND JUBILEE HOSPITAL

BUYER

In the presence of

WITNESS
1. Abel (E.O.)

2. Finance Officer **FINANCE OFFICER**

3. ATUKWASE MARTIN


CHIFCOD SOCIAL ENTERPRISES
15 JUN 2021
EXECUTIVE DIRECTOR
P.O. BOX 50, KANUNGU - UG


ELBOW ENGINEERING COMPANY LIMITED
15 JUN 2021
Tel: 0773828546, 0702928264


KANUNGU HC IV
15 JUN 2021
ADMINISTRATOR
KATAATE HOSPITAL PRC



KATAATE DIAMOND JUBILEE HOSPITAL PROJECT
KANUNGU HEALTH CENTRE IV

12th July 2021.

THE MANAGER,
CENTENARY BANK,
KANUNGU BRANCH.

Dear Sir,

RE: PAYMENT SCHEDULE: CHIFCOD.

Please pay our suppliers



S/N	COMMENTARY	AMOUNT	BANK ACCOUNT NO.
1	EX20 COLOUR DOPPLER ULTRASOUND SCAN	48,025,000=	3100067646 ELBOW ENGINEERING CO. NANSANA BRANCH

Thank you very much for your co-operation.

Prepared by,

Nkwanzi

ATUKWASE MARTIN
ADMINISTRATIVE SECRETARY

Reviewed by,

[Signature]

NYAMISHANA ELEANOR
CHIFCOD FINANCE OFFICER

Approved by,

[Signature]

NATUKWASA HONEST WILKINS
EXECUTIVE DIRECTOR





ELBOW ENGINEERING COMPANY LIMITED

Intelligent design is at the heart of a good product

0773 828546 - 0701 162403
0781 145996 - 0702 928264
0781 145996 - 0702 928264

RECEIPT

Email: elbowengineering.co.ltd@gmail.com
Bank of Africa Building - Nansana Masitowa

No. **314**

Date: 24/09/24

Received with thanks from Katete Diamond Jubilee Hospital

Project of Kawinga Health Centre TV

The Sum of Shillings FIVE MILLION NINE HUNDRED SEVENTY

FIVE THOUSAND ONLY.

Being payment of Programs purchase M. 0912 May 2024

Cash/Cheque No. Direct transfer on Bank Account Balance 3,500,000K

SHS **4,975,000K**

with thanks

Signature:

For: Elbow Engineering Company Ltd



ELBOW ENGINEERING COMPANY LIMITED

"Intelligent design is at the heart of a good product"

0773 828546 - 0701 162403
0781 144996 - 0702 928264

Email: elbowengineering.co.ltd@gmail.com
Bank of Africa Building - Nansana Masitowa

RECEIPT

No. **300**

Date: 14.7.2021

Received with thanks from

Katgate Diamond Jubilee Hospital

Project of Kanungu Health Centre IV

The Sum of Shillings

Forty Eight million twenty five thousand

Shillings only.

Being payment of

Proforma Invoice No. 0012/May/2021

Cash/Cheque No.

Direct transfer on the Bank
Account 3100067646

Balance

8,475,000

SHS

48,025,000

with thanks

Signature: 

For: Elbow Engineering Company Ltd