

# CONSTRUCTION OF THE MODERN MATERNITY AT THE ADVENTIST SURGICAL CLINIC OF LUBUMBASHI DEMOCRATIC REPUBLIC OF CONGO

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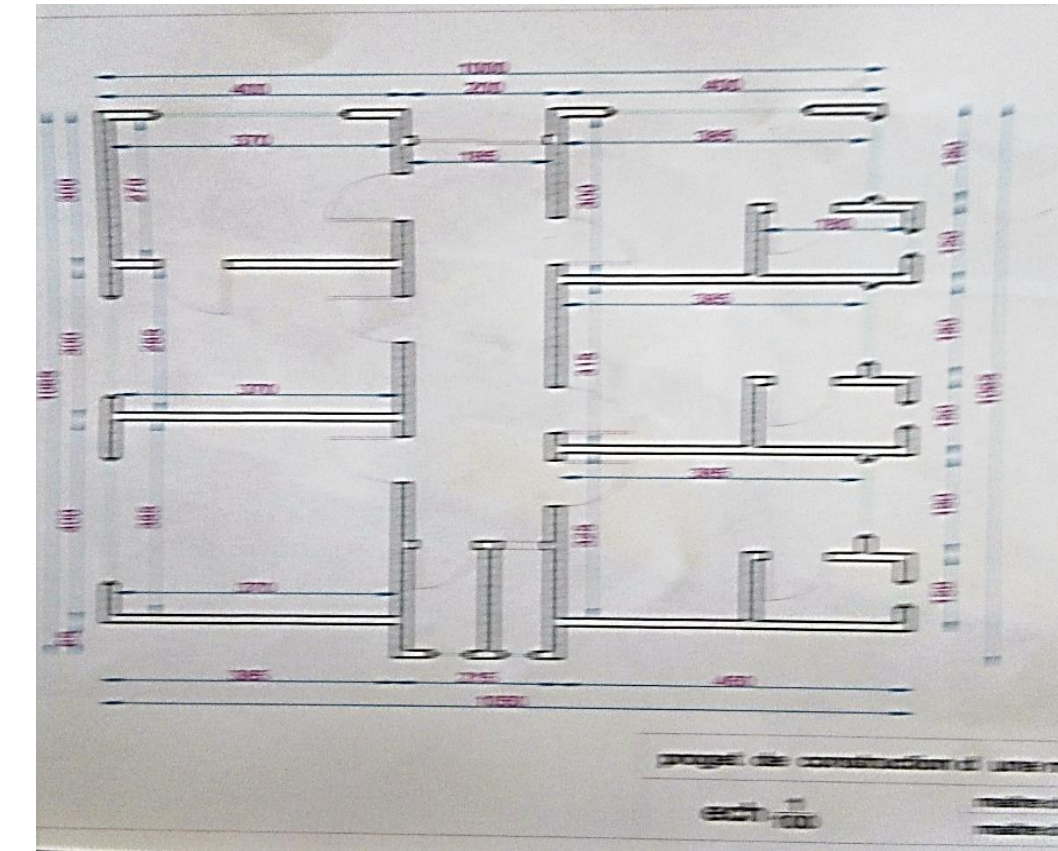
## THE PROBLEM

- The Lubumbashi Adventist Clinic
- Otherwise: Lubumbashi Adventist Surgical Clinic
- Adventist Church Medical Facility
- Located in Lubumbashi, in the union of Congo-East
- In the Democratic Republic of Congo
- Goal: to evangelize through medical care, to mentor students in the medical field.
- Since 1998 in a building, formerly a dentistry.
- Dentistry closed for years.
- Dr. Elmer Delgado, missionary and physician director of Songa Mission Hospital.
- Refugee in Lubumbashi following the LDK liberation war
- With the permission of the union, he began consultations in this building.
- Over the years, the Adventist surgical clinic was opened in this building.



## PLAN DO ACT STUDY CYCLE

### PLAN

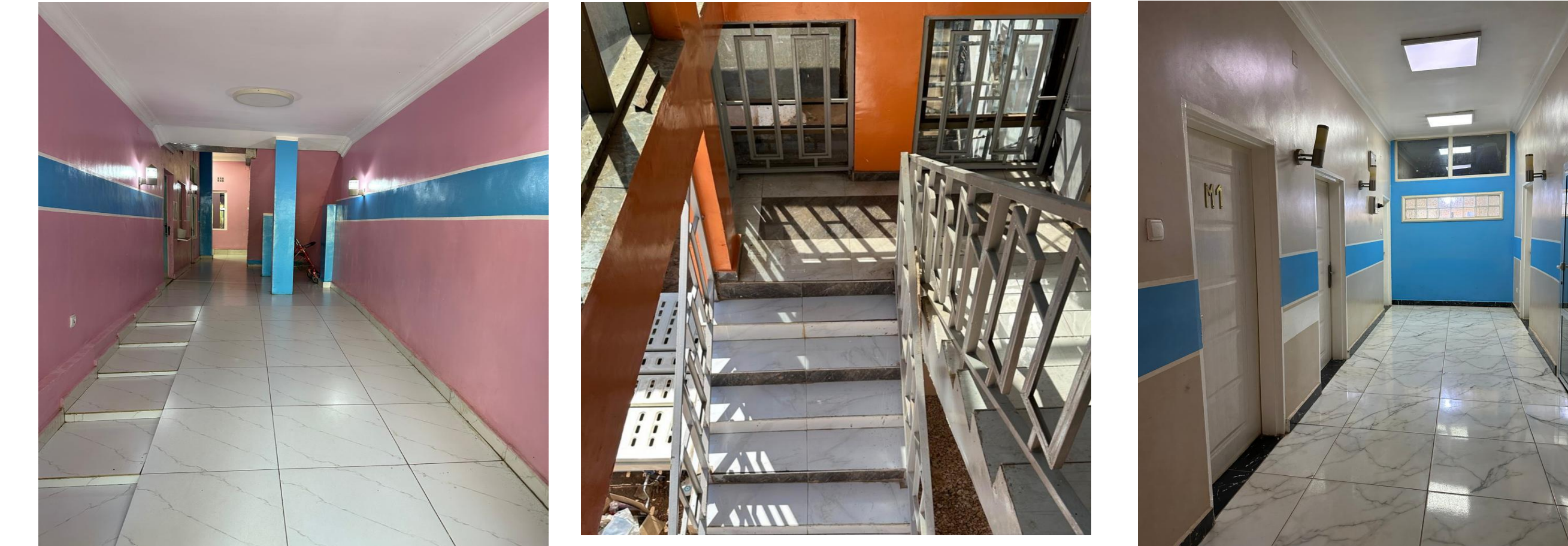


### EXPLOITED SPACE



## RESULTS

### GROUND FLOOR



### FLOOR



### NEW ROOMS

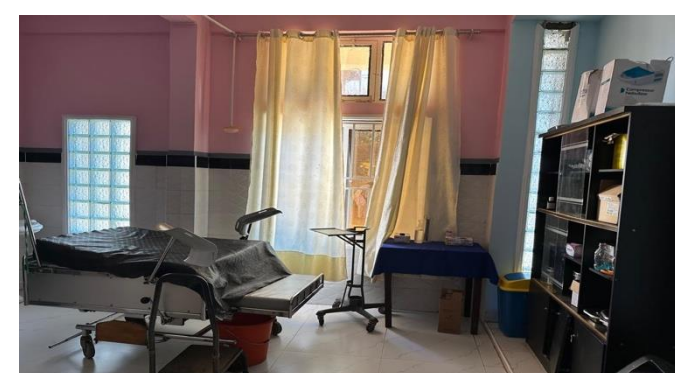


## AIM

- Once strictly surgical
- 2015, opening of the maternity ward with the aim of diversifying services.
- The accounting offices were transformed into technical rooms.
- Deposit in the birthing room.
- 2017 start of the construction project of a new building
- Floor building
- In 2019; end of the ground floor

## FLOW MAP OF PRESENT STATE

- Surgery 493(2021-2023)
- Maternity 461(2021-2023)
- Laboratory 21367(2021-2023)



- Radiology 359(2021-2023)



## FLOW MAP OF FUTURE STATE

- LABORATORY GOALS**
  - Address the difficulties of accessibility to laboratory examinations in Lubumbashi.
  - Expand the spectrum of laboratory examinations for better patient care.
  - Shorten the handling time.
  - Responding to difficulties linked to culture and antibiogram in the city of Lubumbashi
  - Improving the supervision conditions of medical students
- RESUSCITATION GOALS**
  - Addressing the difficulties of accessing intensive care in Lubumbashi.
  - Ensure good safety for the patients we treat.
  - Diversify our services.
  - Need for this service: monitors, vacuum cleaners, respirators, defibrillator and staff training.
- SOLAR PANELS GOALS**
  - Respond to the difficulties of untimely power cutoff.
  - Store reagents properly
  - Reduce the cost of fuel supply
  - Secure the patient.

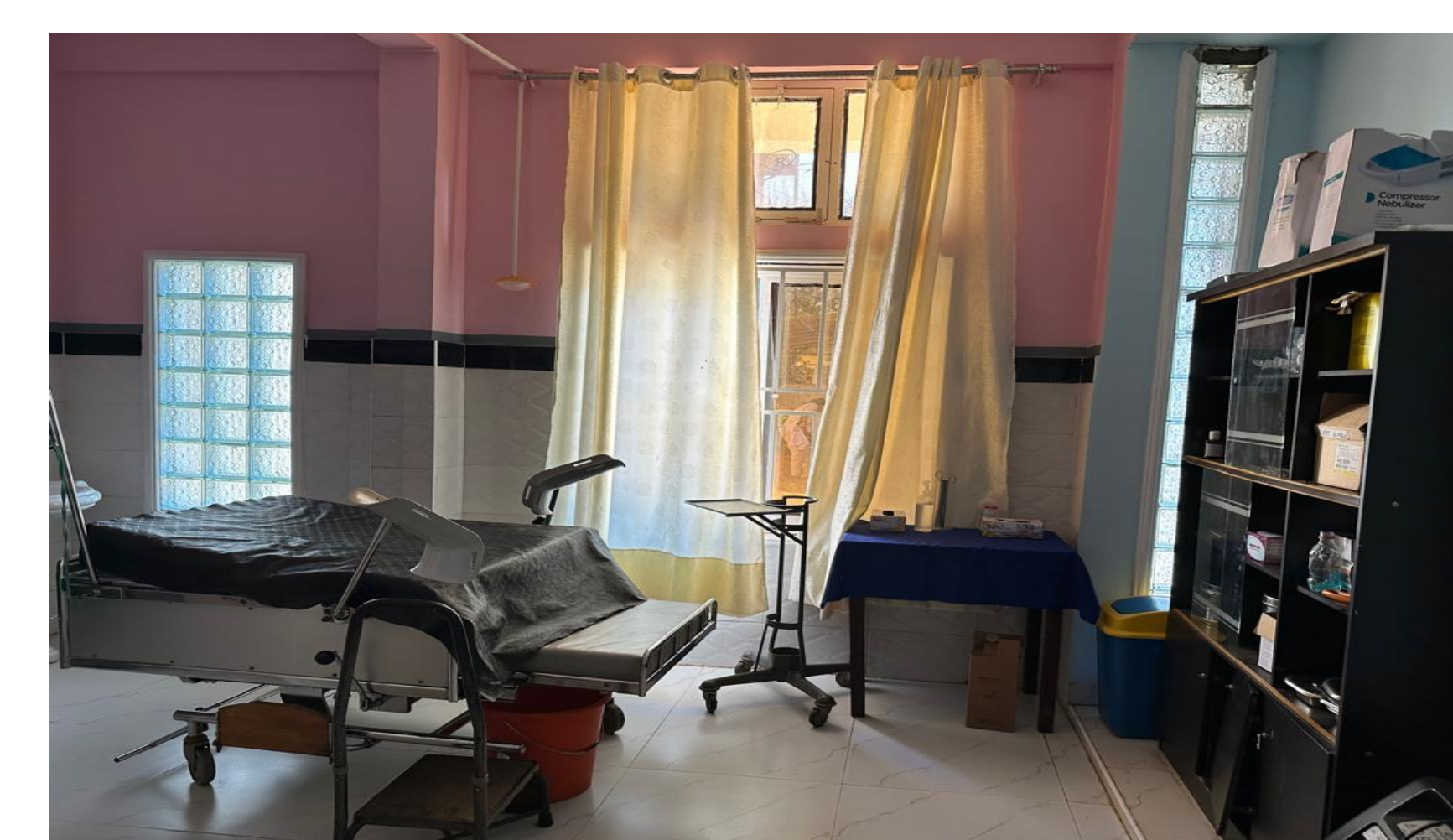
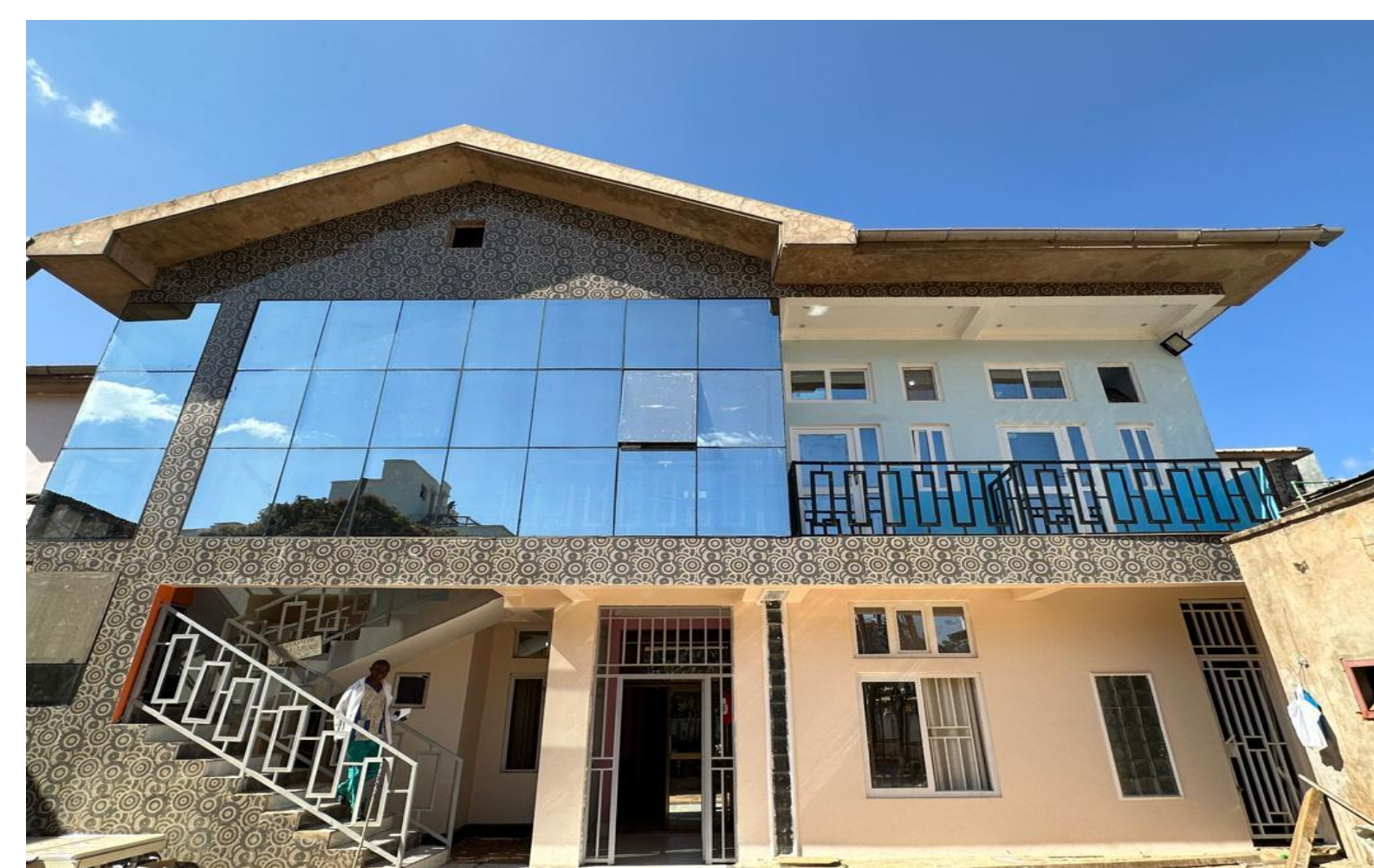
## PROJECT IMPLEMENTATION PHASE



## START OF CONSTRUCTION



## NEW BUILDING : FINISHING PHASE OF MATERNITY



## SUMMARY

- 2020 start of work on the first floor
- Today, the building is almost finished
- The work lasted more than 7 years
- 99% under the clinic's own financing
- Currently we will have a capacity of 35 assembled beds
- Increased patient attendance
- Total patient satisfaction
- Improving the quality of care
- Reduction in maternal and infant mortality
- The cost is more than 300,000\$.

- DIFFICULTIES
- Water: difficulty resolved by drilling a well
- Electricity: persistent difficulty,
- Medical equipment: persistent difficulty.
- Lack of resuscitation service
- Limited laboratory tests
- Staff training
- Financial difficulties.

## FUTURE STEPS/ WHAT'S NEXT?

### SOLARS PANELS

- GOALS
- Respond to the difficulties of untimely power cutoff.
- Store reagents properly
- Reduce the cost of fuel supply
- Secure the patient.

ITEM DESCRIPTION	QTY (day)	P.U	TOTAL NET HT
Batterie turbular	8	450	3 600,00
Panneau solaire blue carbone 380W	10	260	2 600,00
Regulateur MPPT 40A/48 V	1	420	420,00
Teco DC 63 A	4	70	280,00
Fil DC et connexion batterie	1	300	300,00
Lampe tamain	4	12,5	50,00
convertisseur 5.5 KVA. Double Bobine Hybride	1	1800	1 800,00
Accessoires coffret solaire DC	1	10	10,00
Soulier pression	1	70	70,00
Cotran	2	20	40,00
Accessoires de liaison et autres	1	400	400,00

Sous total \$ 9 570,00  
Tva 0% \$ -  
Main d'œuvre (30%) \$ 2 871,00

**TOTAL TTC \$ 12 441,00**