

The project of the mobile clinic was born from an idea developed through an applied research process for a Graduation Thesis tutored by ARCò group at Università degli Studi di Pavia according to the needs expressed from Vento di Terra's field experience.

The developed version for the project took more than 6 months, and steps forward from the didactic exercise solving the technical and formal problems, transforming it into a real and buildable proposal.

The MOBILECLINIC, designed by ARCò – Architecture & Cooperation and promoted by NGO Vento di Terra, becomes a prototype which offers an alternative to the current situation. The target is to provide a mobile system able to guarantee the basic medical assistance for Area C population, and able to undergo the existing military laws.

The clinic is easy to be built and doesn't need high-tech solutions. All the materials and technical details have been conceived on low-tech principles, decision that came from the necessity of constructing the whole unit locally, with materials, skills, and technologies available on the Palestinian Territory.

The MOBILECLINIC is based on specific points:

- Constructive easiness
- Transportability
- Folding/Unfolding simplicity
- Space functionality
- Sustainability
- Bioclimatic Architecture
- Economy



### CREDITS

Project: NGO Vento di Terra ([www.ventoditerra.org](http://www.ventoditerra.org))  
 Donors: UNDP (United Nation Development Program) ([www.undp.ps](http://www.undp.ps))  
 Cooperazione Italiana ([www.cooperazioneallosviluppo.esteri.it](http://www.cooperazioneallosviluppo.esteri.it))  
 Belgian Development Cooperation ([www.btcctb.org](http://www.btcctb.org))  
 Architectural Design: ARCò – Architecture & Cooperation ([www.ar-co.org](http://www.ar-co.org))  
 (collaborators: Federica Maini, Antonio Pastucci)  
 Works Supervision: ARCò – Architecture & Cooperation  
 Construction company: Al Amour Industrial and Trading Co. ([www.alamourgroup.com](http://www.alamourgroup.com))



RE-MOVABLE CLINIC

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## social constraints    technical constraints



Around 150.000 Palestinians are currently living in an area labeled as Area C of the West Bank, where construction permits depend on the Israeli Civil Administration which on the practice doesn't release permits for Palestinian citizens. Major part of Area C population live in communities without basic health facilities.

LACK OF BASIC HEALTH CARE

LOW TECHNICAL AND ENERGY RESOURCES

EXTREME CLIMATE CONDITIONS

DIFFICULTY IN MOBILITY DUE TO THE ROADS

MULTIPURPOSE AND FLEXIBILITY IN USE



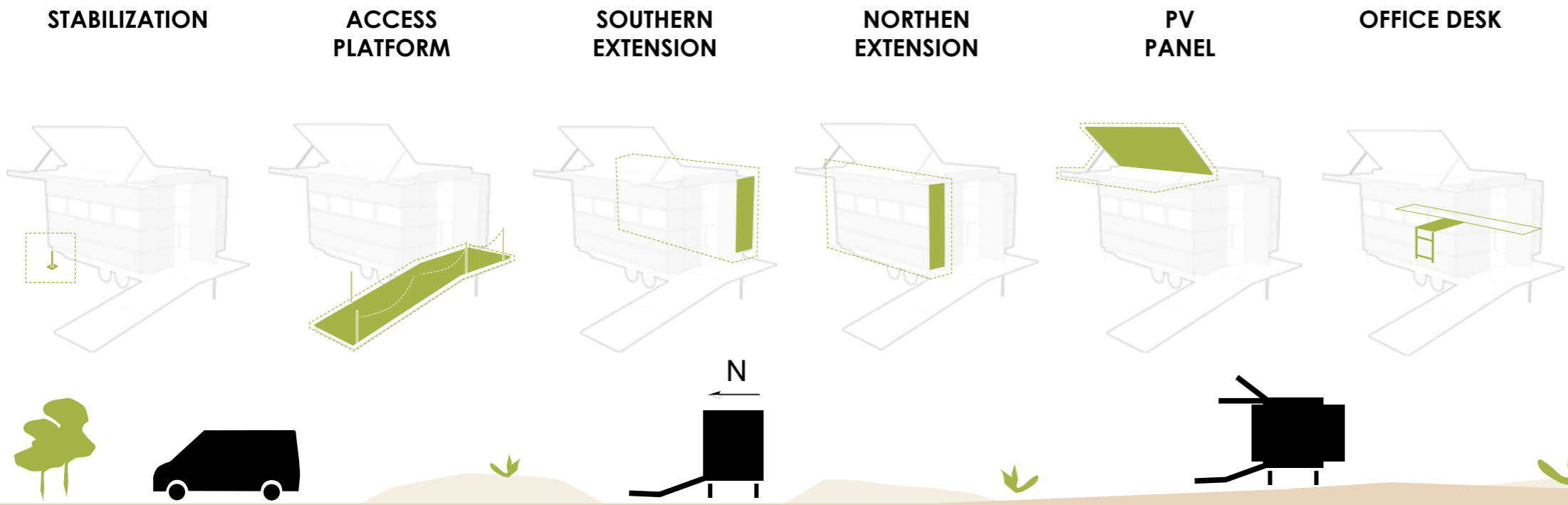
## answers

- EASY TO TRANSPORT
- BIOCLIMATIC
- SIMPLE TO FOLD/UNFOLD
- FUNCTIONAL
- SUSTAINABLE
- EASY TO PRODUCE
- ECONOMIC



# assembly steps

# services



- FIRST AID
- DAY HOSPITAL
- CONSULTING

The medical activity that can take place is the one you can find in a room of the same size in a conventional hospital. Inside it is possible to find the necessary equipments and a basic health care attention: two desks, a little fridge, a medical stretcher, a sink, and numerous cupboards to conserve the medicines, files and medical tools.

# components

# potential uses - aggregation of units

- 1. STEEL FRAME
- 2. EXTERIOR LINING (ALUCOBOND)
- 3. THERMAL INSULATION (SANDWICH PANEL)
- 4. INTERNAL LINING (ALUCOBOND + WOOD)
- 5. FURNITURE
- 6. PV PANEL



The present clinic becomes a prototype replicable with a potential use that goes further the specific one for which it was conceived. It represents an alternative approach to stable construction in Area C, able to be adapted to many different uses: a house, a classroom, an office, a shop... Also, in a posterior development stage it will be previewed the assembly system of single modules able to create bigger systems of several modules connected.

