

Global Disaster Management Team



Normeca^{AS}



MOBILE HEALTH CARE SOLUTIONS

(In Medical Science Since 1983)

 **Normeca^{AS}**

Sesneber International
Representing NORMECA in
Saudi Arabia for Global Projects
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General Company Information

Normeca AS International:

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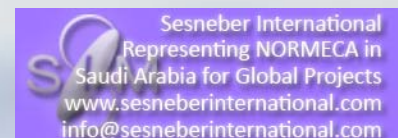
Mobile Hospitals & Clinics
Semipermanent Hospital & Clinics
Accommodation & Office Camps
Disaster Management





General Company Information

Today Normeca has become a disaster expert. Partly in cooperation with different NGOs and Governments around the world, amongst them the Japanese Red Cross, the Ministry of Health in Cuba, MSF, with more Normeca has delivered mobile and/or semi permanent hospitals to disaster and/or war areas in countries like Afghanistan, Albania, Kosovo, Pakistan, India, Thailand, Japan, Philippines, Haiti, Chile, Iran, Jordan, Indonesia and many more countries.





The company's aim

The company's aim has changed substantially during the last years. Today its aim can be divided into categories as follows:

- ✓ To export mobile- and semi permanent turnkey hospitals, primarily to the world-wide “defence & emergency relief” markets.
- ✓ The company's aim is to be a leader in the world within storing mobile hospital and mobile clinics on behalf of GO and NGO.
- ✓ To export ambulances, ambulance boats and floating hospitals and clinics.
- ✓ To provide complete management and administration program related to ambulance, hospital and clinic deliveries.
- ✓ To sell medical equipment and disposables to the health care sector in Norway. Primary areas are anaesthesia, ICU, CCU, emergency areas and the operating theatre.
- ✓ To develop www.medclub.no as the leader of web shop in the field of medical equipment and disposables to doctor's office, nursing home, private health centres, etc. in Norway, Sweden and Denmark.



Product Portfolio

Complete solutions of turn-key floating, mobile and semi permanent hospitals, clinics and forensic medicine units in various designs and materials represents the line of NORMECA's primary products today.

Mobile Hospitals and Clinics based in:

- Tents
- Containers
- Flat pack containers
- Quick shelters
- Trailers
- Ships
- Existing buildings
- Or combinations



Product Portfolio



NorHosp

Norwegian Mobile Hospital and Disaster unit

NorHosp is a flexible medical emergency unit designed to meet demands in connection with surgical injuries as a result of various disasters and armed conflicts. NorHosp contains all instruments and equipment necessary for treatment of adults and children.

NorHosp can be complete and fully operational within 48 hours any place in the world provided adequate flight connections.

NorHosp can be delivered as a complete unit or module by module.

Delivery list:

- Surgical module
- Generator distrib. Central and Cables
- Lighting Equipment for Hospital Tent
- Norcure Bed, Stretcher system
- Recovery Camp module
- Surgical Supply Kit 100 - 10
- Hospital / Health Center Shelter module
- X-ray module
- Medicament module
- Hygiene module
- Nursing module
- Medical Officer module



Product Portfolio



NorAid

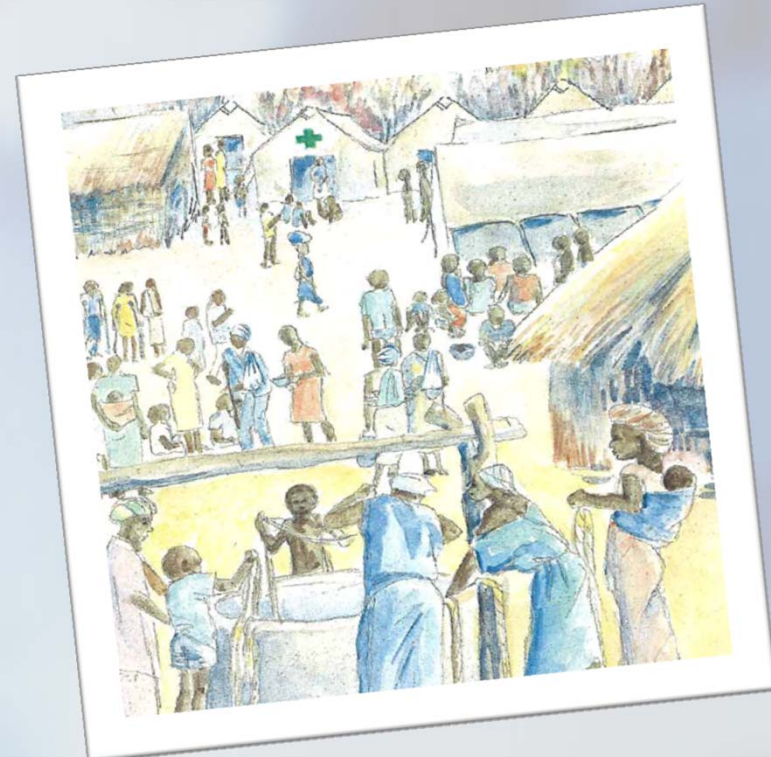
Norwegian Mobile Medical Aid System.

NorAid is designed (under WHO guidelines) to address the following eight elements of Primary Health Care:

Education

- Local disease control
- Expanded immunization program
- Mother and child health and family planning
- Essential drugs
- Nutrition and food supplies
- Treatment of minor diseases
- Safe water supply and sanitation

One complete unit can take care of 30.000 people for one month.



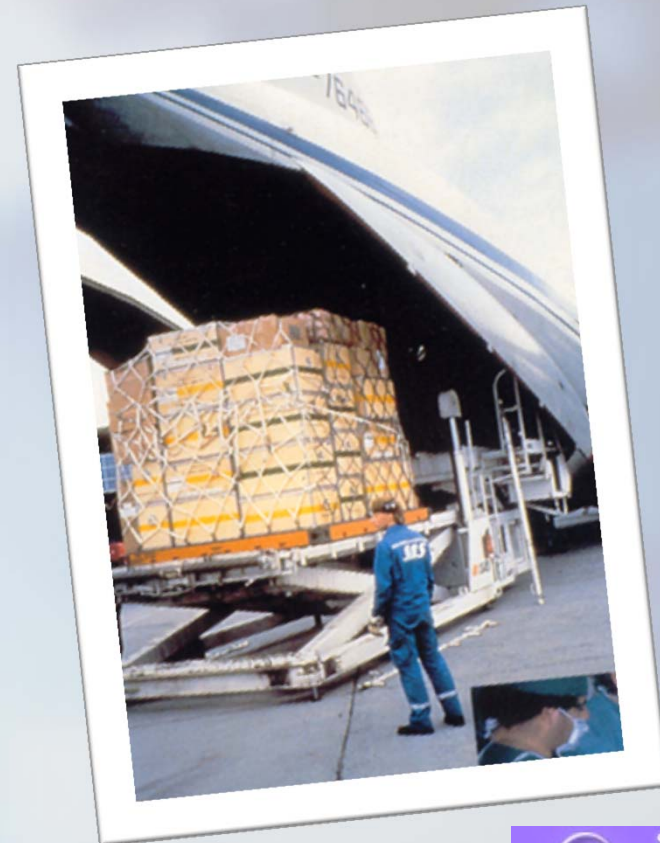
Product Portfolio



NorAid can be delivered as a complete unit, or module by module as shown below.

Delivery list:

- Rehydration / Nutrition Supply Module
- Vaccination Supply Module
- Basic Module
- Infusion Supply Module
- Once dressing, catheters, injections Supply Module
- Sanitation Modules
- Technical Module
- Kitchen / Service Module
- Ambulatory Modules
- Medicament Modules
- Blood bank Module
- Laboratory Module
- Surgical Instrument Module
- Mother / Child Maternity Module
- Doctors Office Module



Product Portfolio

100 – 10 Surgical Supply Kit

The Complete Solution, the 100-10 Surgical Supply Kit is designed to cover all the requirements for medical disposables in the treatment of 100 surgical inpatients for 10 days, including surgical operations.



Product Portfolio



Tents

Normeca AS delivers everything within high pressure inflatable tents and frame tents including all accessories like NBC protection, Sunscreen, lightening, compressors, AC and heaters.



Product Portfolio

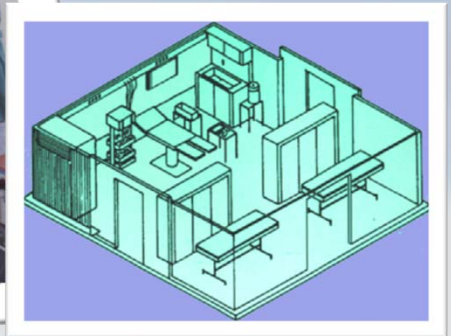


Expandable and non-expandable medical containers

Normeca AS can deliver quick deployable expandable and non-expandable shelters with a rapid assembly solution. The Normeca shelters can be interconnected and detached as needed and featuring a modular construction system allowing the structures to be expanded as required. Our expandable range is based on the standard ISO 20' shipping container, and these expandable shelters can be tailored to meet the customers' demands.

Example of specialized shelters:

- Operating Theatre
- ICU
- Sterilization
- Dental
- Hospital Wards
- Laboratories
- Laundries
- Kitchen
- Command post



Product Portfolio

Flat pack containers

Modular prefabricated hospital, accommodation and other buildings that can be designed with flexible dimensions for the demands of the client. Each unit can be combined horizontally or vertically and dimensions can be altered for transport. During transportation four containers makes one 20" container making shipping easier and at a lower cost.

The units and layouts can be tailor made according to individual customer needs and specifications.



Product Portfolio



MultiSpace Trailers

Quick deployment, expandable and non-expandable MultiSpace trailers with a rapid assembly solution. The trailers can be interconnected and detached as needed. The trailers can be delivered in all kinds of length with or without expandable sides from 1 to 2 meters on one or both sides.

The MultiSpace trailer is suited for use as:

- Hospital
- Surgical unit
- Clinics
- Dental clinic
- Mammography
- MR
- CT
- Isolation
- ER Unit
- Forensic medicine
- DNA Laboratory
- TV/Radio/Movie takes in the fields
- Communication Unit
- Service/Maintenance
- Catering/accommodation for smaller teams
- Showroom /exhibition
- Sales stands
- Library
- Classes / Training (classroom)
- All other forms for mobile units where floor space is crucial



Product Portfolio



Hospital Ships

Normeca AS can deliver hospital ships in various sizes. The hospital ship is designated for primary function as a floating medical treatment facility or hospital.



Product Portfolio

Infrastructure

Normeca As can deliver all technical structures that support a society, such as roads, water supply, sewers, electrical grids, telecommunications, and so forth.



Product Portfolio

Ambulances

Normeca AS can build ambulance on any chassis, from Mercedes to VW and different types of pick-ups according to the customer's requirement.

The ambulances can be delivered fully equipped with all necessary medical equipment.



Product Portfolio

Ambulance and rescue boats

Normeca AS can build ambulance and rescue boats according to the customer's requirement.



Product Portfolio

Ambulance and Rescue Service

Normeca AS can also offer complete ambulance and rescue service from;

- Operating and management
- Training and education
- Alarm centrals
- Fixed wing ambulance
- Ambulance helicopter
- Medical car
- Motorcycle paramedic



Product Portfolio

Decontamination

Normeca AS can deliver a broad portfolio range within decontamination, anything from decontamination units to protective gear.





Experience from the field

Normeca AS has during the years gained a significant field experience from operations in countries like Albania, Kosovo, India, Afghanistan, Jordan, Iran, Pakistan, Thailand, Indonesia, Republic of Southern Sudan, Haiti, Japan, Philippines with more.

Normeca AS has been working on behalf of organizations and/or Governments of:

- MFA, Japan
- MOH, Southern Sudan
- MOH, Cuba
- MFA, Norway
- MSF, Holland
- Red Cross, Japan
- MeRu, Japan
- Interpol, France
- MOD, UAE
- With many more





Experience from the field



Earthquake in India Januar 2001 - Two clinics delivered within 17 hours

20 tons of equipment delivered within 5 days. More then 100 m3 with equipment





Experience from the field

India

GUJARAT– right after the earth quake in January, 2001
About 13.00 o'clock a.m. on the same day as the earth quake occurred, NORMECA A/S received the order from the Japanese Red Cross Society (JRCS).

The day after, at 06.00 o'clock in the morning all the equipment was made ready for transportation by air from Oslo Airport, Gardermoen.





Experience from the field

Afghanistan

BAGLAN-province after the earth quake in Mars 2002.

Also this delivery was executed for The Japanese Red Cross Society.

The assumptions for this delivery were somewhat different, since we had about two weeks at our disposal for making all necessary preparations.





Experience from the field

Thailand and Indonesia

After the tsunami 26.12.2004 Normeca AS delivered a complete field hospital to Sumatra by the Japanese Red Cross. The company also build up the Site 2 in Mai Kao, Phuket, Thailand for identification of dead bodies. Normeca AS delivered this forensic medicine centre as a turnkey, and the company had the total responsibility for running the site, including, among others, logistic, catering, security and maintenance for 13 months





TTVIC



Thai Tsunami Victims Identification Center



Norwegian Mobile Forensic Medicine Center in Phuket

Donated by the Norwegian Government



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TTVIC

Thai Tsunami Victims Identification Center



Wednesday 19 January 2005



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TTVIC

Thai Tsunami Victims Identification Center



Thursday 20 January 2005



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TTVIC

Thai Tsunami Victims Identification Center



From jungle to Forensic Medicine Centre in 10 days



TTVIC

Thai Tsunami Victims Identification Center



Normeca was the only organization/company that was honored by Thai Police for the work in Phuket.



Experience from the field

Cuba

In October 2005 a heavy earth quake hit several areas in Pakistan. Rapid response is crucial, Normeca AS got an inquiry from Cuba's authorities for supplying of a field hospital based on tents that should be run by a Cuban medical team. The hospital was delivered in Muzaffarabad.





Experience from the field

Pakistan

During the first months of 2006 Normeca AS delivered a field hospital in Hattian Bala, Pakistan, for Medecins Sans Frontieres based on flat pack containers. This hospital included operating theatre, ICU, doctors' office, pharmacy, laboratory, blood bank, shower and toilets. The delivery was complete with generator, heating and cooling plants, water purifying system, etc.





Experience from the field

Sudan

In September 2006, Normeca AS signed its largest contract ever with the Government of Southern Sudan (GOSS), Ministry of Health, to dramatically improve the health care situation for the people of Southern Sudan.

In addition, Normeca AS signed a 5 year management and operations agreement covering all hospitals and clinics. Unfortunately the project has stopped because of lack of funds.





KATIKO Referral Hospital

The location –
Kapoeta, Eastern Equatorial, Southern Sudan



Kapoeta
Eastern Equatorial



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KATIKO Referral Hospital

It was approx. 1 800 km from Mombasa to Kapoeta and around 1 000 km of the road hold very low standard. Normeca brought inn around 4000 tons of equipment by road from Mombasa to the site in Kapoeta, southern Sudan.



KATIKO Referral Hospital



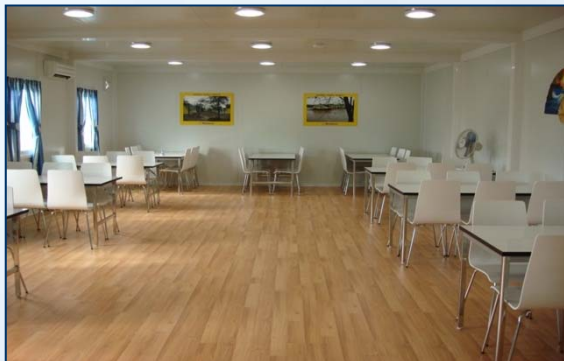
The reception area in the hospital



TV room



Post OP



Dining area for staff



Childrens departement – 16 beds



Play room for the children



KATIKO Referral Hospital



Delivery room



Newborn department – 18 beds



ENT doctors office



Dental room



X – Ray department



Sterilization department



KATIKO Referral Hospital



OT Room – baby Jan



OT Room



Pre. Op.



Kitchen



Tucal - Accommodation



Accommodation



The site in March 2007



The site in June 2007



KATIKO Referral Hospital



The hospital is finished (including 102 containers for accommodation) 65 days after we started to erect it





Experience from the field

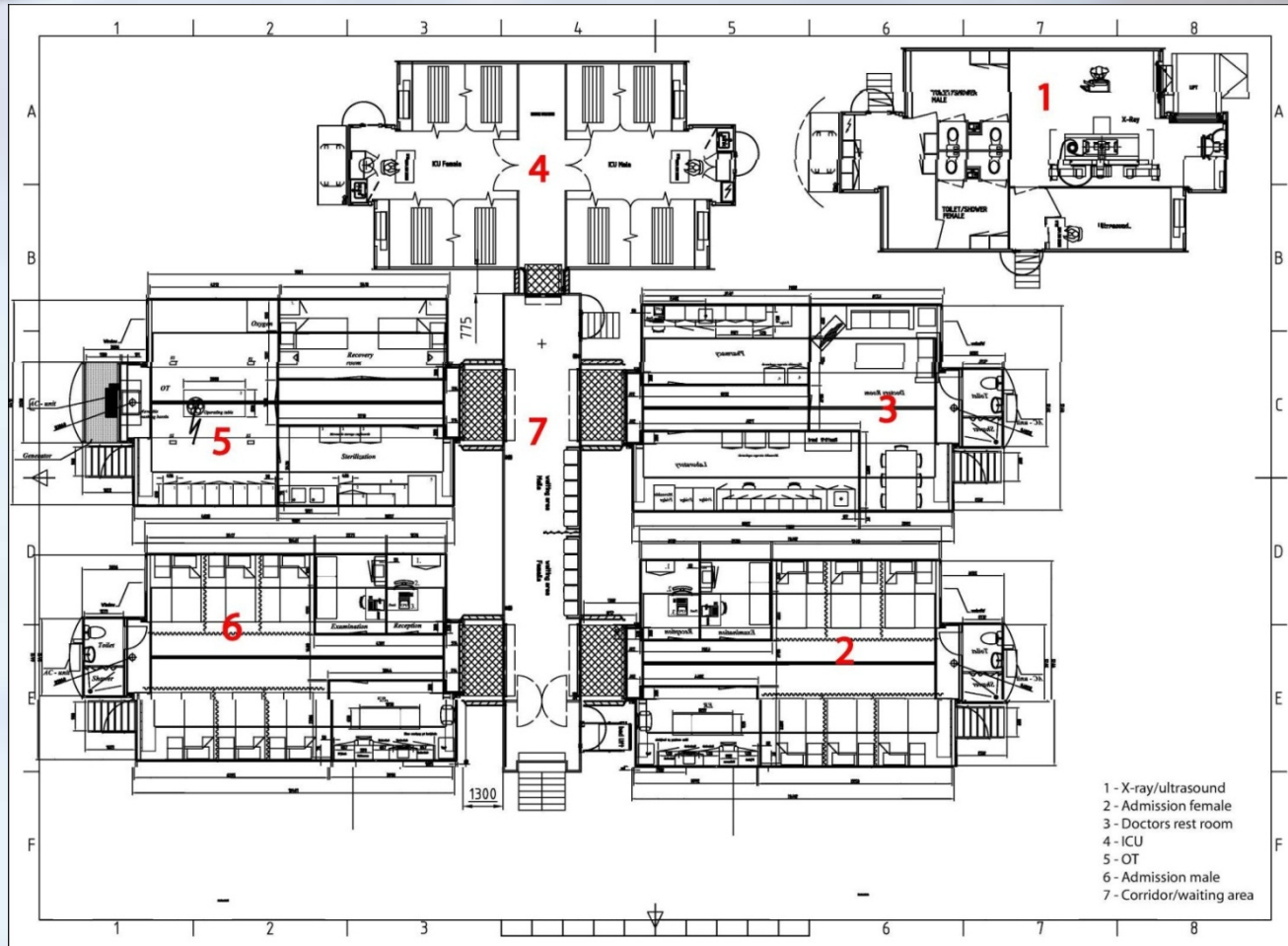
Saudi Arabia

In 2009 Normeca delivered the two most sophisticated mobile hospitals in the world, to Saudi-Arabia's Ministry of Finance, for use at the annual Hajj in Mecca. The MultiSpace solution is Normeca's own design, based on expandable semitrailers.





Layout plan of the hospital to Saudi Arabia





Saudi Arabia 2009



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Saudi Arabia 2009



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Saudi Arabia 2009





Saudi Arabia 2009



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Experience from the field

Saudi Arabia – Red Crescent Hospital with 48 bedposts and corresponding accommodations based in expandable containers and inflatable tents.

Including:

- ✓ 6 tents
- ✓ 7 containers
- ✓ Operating Theatre
- ✓ Lab and pharmacy
- ✓ 2x examination
- ✓ 48 bedposts
- ✓ 24 accommodations





Experience from the field

UAE

In 2009 Normeca AS delivered a complete 50 beds NBC protected hospital based in inflatable tents to UAE Army. The hospital was completed with NorHosp and NorAid modules incl. kitchen dining and accommodation for 40 staff.

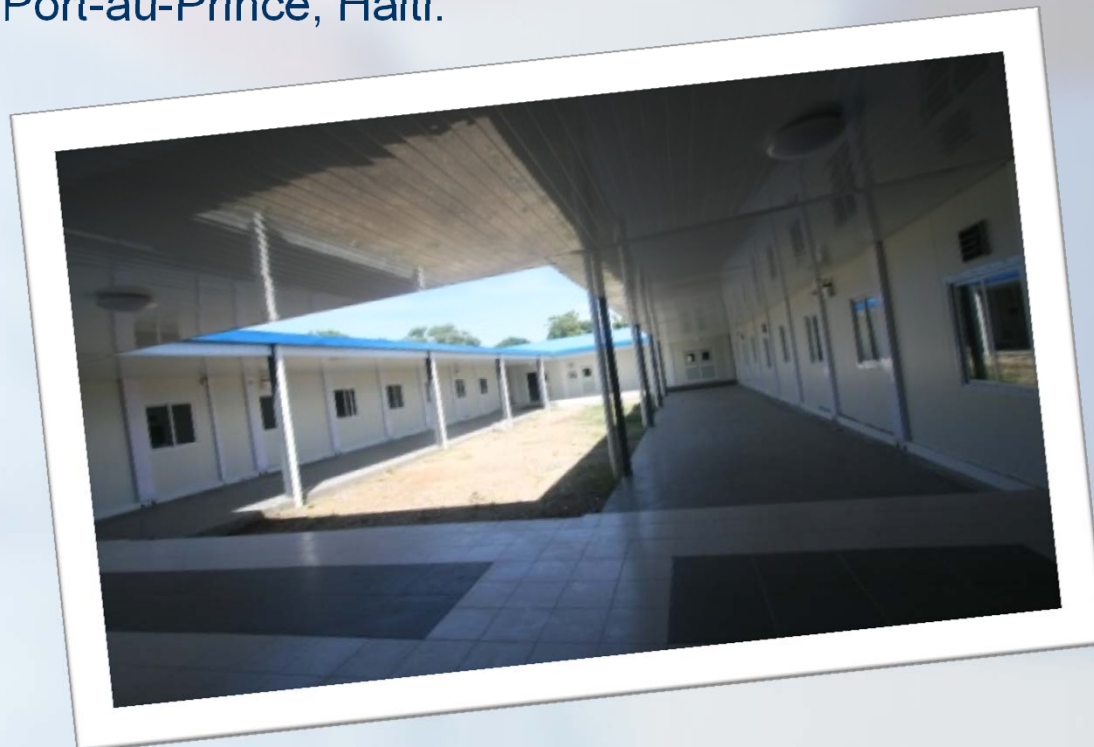




Experience from the field

Haiti

The summer 2010 Normeca built a semi-permanent (container based) 120 beds Mother & Child Hospital for the Medicines Sans Frontiers (MSF) from Holland in Port-au-Prince, Haiti.





Mother/Child Hospital 2010

Port Au Prince, Haiti





Mother/Child Hospital 2010

Port Au Prince, Haiti



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Mother/Child Hospital 2010

Port Au Prince, Haiti





Experience from the field

Japan

May 2011 Normeca AS delivered two hospitals to Japan after the earthquake.



Earthquake Japan - 2011



Earthquake Japan - 2011



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Experience from the field

Libya / Qatar

Mach 2011 Normeca AS delivered a complete 50 bed hospital with 40 bed accommodation based in inflatable tents to **National Interim Transitional Council, Libya** as a donation from Government of State of Qatar. The hospital was completed with NorHosp and NorAid modules incl. kitchen dining and accommodation for 40 staff.

The contract was signed in Qatar on Wednesday at 02.00 pm and everything were ready to be shipped after **only 5 days**



More than 50.000 tons with equipment was shipped.





Experience from the field

Normeca AS has delivered one or more complete and/or partly mobile hospitals and/or other equipment to the Government, Defence and/or NGO's in countries like:

- Japan
- China
- Singapore
- Saudi Arabia
- Qatar
- Libya
- Czech
- Denmark
- Norway
- Canada
- Cuba
- Mexico
- Chile
- Southern Sudan
- Sudan
- Holland
- UAE
- France
- Poland
- Sweden
- England
- Germany
- Greece
- With more





Management

Normeca can offer complete management with or without medical staff, support staff e.g. of;

- Mobile and semi-permanent hospitals and accommodation
- Mobile and semi-permanent clinics and accommodation
- DVI/forensic medicine operations incl. DNA analyses
- AM (Anti Mortem) mobile collection centers
- Temporarily refugee camps
- Ambulance and rescue services
- National and regional warehouses and distribution of medical equipment, medicine, disposables and consumables incl. the procurement according to international rules
- Blood bank including collecting and distribution
- Patient treatment abroad (Thailand)
- Mobile mammography, CT, MR, dental clinics and dialyzes units



Training & Education

Normeca works out a complete education and training program for all staff involved in any project. The focus is operating each module of equipment and infrastructure. We work out specific programs for each part of the education and training.

Normeca AS has trained around 1 500 anesthesiologists, anesthesia nurses and medical engineers in a period of 8 years and we trained around 1 200 people within 8 weeks all over Norway on decontamination.





Seminars

Normeca has arranged many seminars in Norway and around the world the last 15 years with more than 1.500 participants under the theme of **Emergency and Disaster Medicine Preparedness Systems**





You can use Normeca for:

- **Out sourcing**
- **Stocking**
- **Delivery**
- **Build up**
- **Training**
- **Repacking**
- **Management**





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