MOGOS Mobile Field Hospital System

English Technical Overview

1. Overview

MOGOS (MObiel Geneeskundig Operatiekamer Systeem) is a mobile military field hospital developed for the Dutch Armed Forces. It is a modular surgical hospital system designed for rapid deployment during military operations, NATO missions, disaster-response operations, and humanitarian relief missions.

According to the available technical documentation and module plans, the system provides a complete, self-contained medical facility that can be transported and assembled within a short period of time at the operational site.

2. System Modules

According to the available documentation, the complete MOGOS system consists of 13 containerized modules, each serving a specific function.

EN Shelter – Power Supply Unit

- Power generation units
- Electrical power distribution system
- Electrical connection and distribution boxes
- UPS system (uninterruptible power supply)
- Voltage stabilization systems

AI Shelter – Climate Control Module

- Heating, ventilation and air-conditioning (HVAC) system
- Air filtration system
- ABC-protection overpressure system (atomic, biological, chemical)
- Environmental control and support of sterile conditions

KO Shelter – Connection Module

- Connecting corridors
- Airtight connections between containers
- Weather-protected transitions between modules

MA Shelter – Medical Storage

- Medicines
- Surgical instruments
- Medical consumables
- General medical equipment and supplies

PP Shelter – Preoperative / Postoperative Unit

- Area for preparing patients for surgery
- Recovery and recuperation beds
- Patient monitoring equipment

RO Shelter – Radiology Module

- X-ray equipment
- Diagnostic imaging systems

OK Shelter – Operating Theatre

- Operating tables
- Glare-free surgical lighting
- Anesthesia equipment
- Sterile operating environment

The system configuration shown in the technical documentation comprises two fully equipped operating theatres.

3. Technical Specifications

Specification	Description
System	MOGOS (MObiel Geneeskundig Operatiekamer Systeem)
Manufacturer	Fokker Special Products / STORK
Module length	approx. 6.0 m
Module width	2.43 m
Module height	2.43 m
Construction	Military aluminium lightweight construction
Weight per module	approx. 8.2 tonnes
Levelling system	Hydraulic four-point support system
Set-up time	approx. 2 hours

4. Medical Capabilities

When fully assembled, a MOGOS field hospital may include the following facilities and systems:

- Two fully equipped operating theatres
- Intensive care unit (ICU)
- Patient recovery and recuperation area
- X-ray diagnostics
- Sterilization facilities
- Medical oxygen supply system
- Water tanks
- ABC-protected climate-control system
- Power generation units
- Uninterruptible power supply (UPS)
- Patient monitoring systems
- Complete surgical equipment
- Medical storage and supply facilities

5. Operational Use

The MOGOS system was developed to provide a rapidly deployable surgical field hospital that can operate independently in remote or hostile operational areas.

Its modular design allows different configurations according to operational requirements and makes the system suitable for:

- Military operations
- NATO missions
- Peacekeeping missions
- Disaster protection and disaster relief
- Humanitarian relief operations
- Emergency surgical care

The modular container system enables rapid transportation, efficient assembly, and reliable operation under field conditions. At the same time, it provides a sterile operating environment and comprehensive medical care in the field.

Technical information translated and formatted from the supplied German documentation. Specifications and manufacturer references are reproduced as provided in the source material.