

# Military Mobile Diagnostic Solutions





## WHY MOBILE?

With a certified Smit mobile unit you will have the latest technological developments within reach. A state-of-the-art solution offering maximum flexibility. The specially designed units offer the user the possibility to adjust the technical capacity of the installed equipment appropriate to the number of presenting patients. Sharing the use of the mobile unit(s), every military hospital or military base remains in full control of its patients and can offer the latest technology in order to provide the best healthcare level possible. A mobile unit generates the highest equipment utilization level possible. A mobile diagnostic unit is also the fastest solution to get medical imaging capacity on the ground. Our mobile units can operate stand alone and provide the highest level of medical care where needed. Smit has certified mobile solutions for the complete diagnostic range e.g. MRI, CT, PETCT, X-RAY, ICU and Cardiovascular Labs.

## MOBILE DIAGNOSTIC SOLUTIONS

The comprehensive certified Smit mobile diagnostic design is the result of close collaboration between Smit Mobile Equipment and the system manufacturer. Smit Mobile Equipment is certified by GE, Siemens and Philips. The layout of the unit creates an optimal environment for both patient and operator. The certified design includes a technical room for the medical equipment related components, a control room that complies with all the latest standards in ergonomics and an examination room meeting all the technical requirements. Furthermore, the mobile design has several technical features, including:

- Lift for patient friendly access.
- Steel shielding in the side walls of the examination room to keep the 5 gauss line within the dimensions of the mobile MRI unit.
- Lead shielding in the side walls of the examination room to protect the outside environment against X-ray radiation.
- Trailer equipped with slide out sections to increase the size of the examination room.
- RF shielding in the examination room of the mobile MRI.
- Air conditioning meeting the geographical requirements.
- Chiller to support the MRI-related components.
- On board generator for power supply to support the indoor environment and medical equipment related components while in transit.
- Possibility to upgrade the capacity of the generator to operate the complete mobile unit stand alone.
- Upgraded system components e.g. AC system, generator and chiller to meet the requirements to operate in the toughest environmental conditions.

*Mobile MRI units are available up to 3T. Mobile CT units are available up to 64 slice.  
Specifications as mentioned above can vary per system modality.*

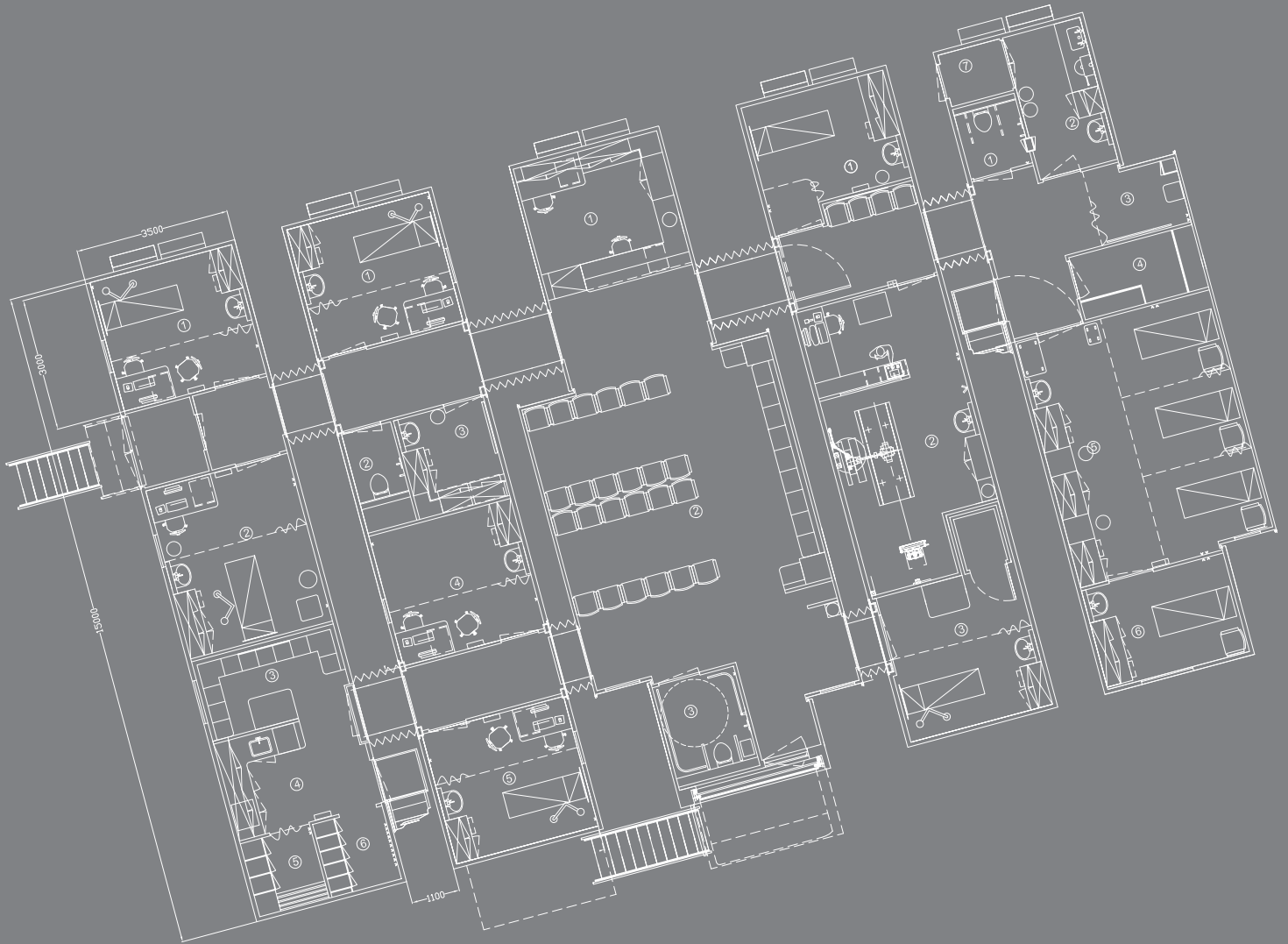




## MOBILE HOSPITALS

Smit Mobile Equipment introduces a new mobile concept to take healthcare provision to a new level. By using multiple mobile units that can be linked together, we can create a "true" mobile multiple treatment center/field hospital. A wide variety of examinations and treatments can be carried out in this mobile hospital. From general examinations in a consult examination room to advanced surgery in the OR rooms. Each examination or treatment can be supported by diagnostic equipment e.g. X-ray, MRI or CT scanners. Support units provide the required facilities e.g. water and power supply, management functions, ICU capacity and pharmacy. Recovery capacity is provided by wards. By providing the main facilities in a true mobile environment (trailers) the set up time and related costs for set up are reduced significantly. Also the required staff to set up this hospital is minimized. This design is the only design that allows the customer to integrate sophisticated imaging technology in a mobile hospital configuration. An ideal solution for the military.





**Smit Mobile Equipment B.V.**

Buys Ballotstraat 6  
3261 LA Oud-Beijerland  
The Netherlands  
tel. 0031(0)186614322  
[www.smit.eu](http://www.smit.eu)  
email: [info@smit.eu](mailto:info@smit.eu)