



AGITO
MEDICAL

Site Planning Guide

GE Voyager 1.5T

MR47 - Mobile MRI Trailer

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01 Introduction

This Site Planning Guide provides information to potential customers on the preparations they would need to make so that this Mobile MRI Rental Solution can be successfully delivered, sited, and put into clinical operation.

The customer site must be prepared in accordance with the details given in this guide so that that unit and the installed medical equipment will function properly. This guide exclusively describes the unit and its siting, environmental and electrical requirements, and is meant to give outline details. Further specifications and site requirements are available upon request.

Please refer to the System Spec Sheet for specifications of the installed scanner and associated equipment, and for further details on the installed equipment.

02 Mobile Unit Specifications

2.1 Dimension and weight

Length	13,80 m
Width	4,68 m
Height	4,00 m
Weight of unit	27.000 kg
Min. area for placement (subject to site survey)	16,00 x 7,50 m

2.2 Magnetic shielding

The Mobile MRI unit is equipped with magnetic shielding. The shielding will keep the magnetic field outside the trailer walls below 0.5 mT. On the roof the magnetic field will be much stronger. Inside the mobile, in the scan room, the magnetic field is much higher than 0.5 mT. These areas are marked with the required MRI safety signs, provided by the manufacturer.

2.3 Access to the mobile unit

The mobile MRI has 2 points of access available. Patient & Staff Access – access via steps to the side of the mobile. Patient Lift Access – Hydraulic remote-controlled lift for immobile patients

2.4 Phone & network

The Units Belly Locker Compartment Box houses:

- QTY 4 RJ45 ethernet (CAT 6) connection points. Alongside VISBION CUBE, this allows secure, easy integration to the customers HIS/RIS & PACS systems and allows secure remote support from OEM Service providers.
- 2 telephone sockets (RJ45 type)

03 Environmental Requirements

3.1 Physical requirements

- Area to be provided: 16.00 m x 6.00 m (L x W)
- Large moving/active metal objects – e.g. cars, busses, escaladers, forklifts, trucks, transformers, helicopters, ambulances, elevators etc. should be kept at distance of min. 10 meters from magnet iso-center in order to ensure no disturbance is caused.
- A clearance of at least 2.00 meter is required all around the unit to allow for service work and maintenance and to avoid interference with the magnet’s 5-gauss safety line. This must be respected at all times, and is included in above area requirement. Exceptions to the above requirements, can only be approved by an AGITO representative.
- A level (no more than 1% (0.6 degree) tilt and solid surface with a loading capacity of 26,5 tons is necessary.
- Additional reinforcements are required on unstable ground. Suitable reinforcement could be concrete, road surfacing or pavement (bound material).
- Additional space for patient trolley access and staircase must be secured around the unit for optimal access (see drawings).
- If any high voltage electrical installations are found nearby the requested location, this may interfere with magnet field. Further info can be obtained upon request.
- To allow for sufficient airflow a clearance of 1000 mm from the exterior airco and generator grills must be secured.

3.2 Electricity

Power/tension requirements	400V 3-phase, 50 Hz – fuse rated at 200A 3-phase systems with insulated neutral and earth (TN-S - N + PE) Phase 1 - R or L1 Phase 2 - S or L2 Phase 3 - T or L3 Neutral - N Earth - PE
Norm connection plug	Female Marachell DS2 Connector with Dedicated Insulated Neutral & Earth.
Voltage variation	+/- 5 %
Frequency (Hz) variation	+/- 0,5%
Distance to the main distributor box of the system	Advised max 15 m
Emergency power stop switch	In scan room, operator room and technical room.
Rotating field of the connection on site of the customer	L1, L2, L3 - rotation



Norm connection plug

Please note: A stable electric power supply meeting above specifications must be warranted for the whole rental. Cable protective ramps or catenary systems shall be provided by the Client where cables traverses roads or pathways.

3.3 Water

The trailer is equipped with a water tank in the belly lockers which needs to be kept topped up. This supplies water to the air humidifier to keep the operator space & equipment at the correct humidity.

04 Before Delivery

4.1 Preparations of access route

- The route to the installation location has to be trafficable for the tractor and unit with reference to the below “Vehicle access requirements”. An engineer or project manager from AGITO Medical A/S can be consulted on placement and access.
- All obstacles, parked cars, low branches or other potential non-conformities to a failure-free access, are to be removed prior to delivery.
- AGITO Medical will provide a project manager or engineer, for consulting during planning regarding placement.
- If a site visit is requested by the customer, AGITO Medical reserves the right to invoice this expense separately.

Please note: An AGITO project manager will be made available for a site survey & consultation prior to Rental and Unit Delivery. They will advise customer on the siting & placement of the unit and access requirements etc. The customer is then responsible for all necessary preparations as advised by the AGITO Project Manager.

4.2 Quench pipe exhaust grill

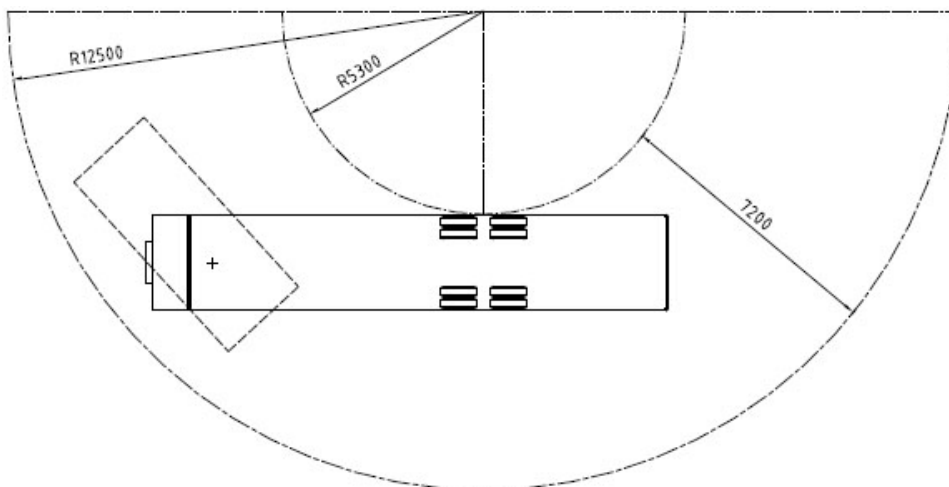
A 0.6x0.44 m grille is located on the right side of the trailer at the rear. In the event of a magnet quench large volumes of helium gas will be exhausted through the grill.

Very careful consideration for the siting of the mobile must be made to ensure that the helium gas can escape unrestricted, and will not inadvertently enter adjacent buildings.



4.3 Vehicle access requirements

The access must have a minimum width of 7,2m. The radius of turning circle should have an outer radius of 12,5m, and an inner radius of 5,3m.



05 Mobile Unit Layouts

5.1 Mobile unit layouts

