



AGITO
MEDICAL

Site Planning Guide

Philips Azurion 7 F12

IT02-07 - Cath Lab Relocatable

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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 Relocatable Cath Lab 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 Relocatable Unit Specifications

2.1 Dimension and weight


Length	15,00 m
Width during transport	4,00 m
Height	3,30 m
Weight of Reloatable cath lab	28.500 kg
Min. area for placement	17,50x5,00 m
Weight of tractor/trailer assembly when unloaded	24.000 kg
Length of tractor/trailer assembly when loaded	25,00 m

03 Environmental Requirements

3.1 Physical requirements

- Area to be provided: 17.5m x 5m minimum to allow all doors to open. In practice a larger area is required when the stairs/ramps are factored in. The size of the stairs/ramps is determined by individual client according to their preferences, the available space and patient risk profile.
- Engineer access must be allowed around the periphery of the unit, even in areas that do not have doors, so that repair/maintenance is possible
- A series of level support pads is required – this can be either by utilising the 12 AGITO Relocatable Piers or, if this option is not viable, construction of 8 concrete pads. (see section 4).
- The ground strength should be assessed by structural engineer if there is any doubt of the ability to withstand the loadings.

3.2 Electricity

Power/tension requirements	400V, 250A - 50HZ 3 phase system 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	Marechal DS2 250A - type plug, 3 Phased/N/E/, 5 poles.(Female Marechal 250A outlet to be provided by client.)
	
Voltage variation	+/- 10 %
Frequency (Hz) variation	+/- 1%
Distance to the main distributor box of the system	Advised max 10 m
Emergency power stop switch	In exam, control and technical room
Rotating field of the connection on the site of the customer	Indicator on the board will show phase error, Main contactor will not engage until error is corrected.
RCD setting	0.5 seconds, 300mA

Please note: A stable electric power supply meeting above specifications must be warranted for the whole rental. Cable protective ramps is client responsible if traffic is passing the cable.

3.3 Access to the relocatable unit

The unit can be accessed via 2 doors into the control room, 1 large sliding door into the exam room and 1 door into the technical room. Steps/ramps are required for all doors as in practice they are a minimum of 400mm above ground level (see section 4)

3.4 Link corridor and air quality

The unit is certified to provide the necessary internal air quality for a cath lab according to the UK specification HTM03-01. However if in your region the air quality regulations are derived from ISO specifications then it is understood that the ISO grade is only achievable if the environment immediately outside the doors of the unit provides air quality to the next ISO level down. The common example of this is that the lab meets ISO7 and the external environment must meet ISO8. This does not apply to the technical room door as it does not communicate directly into the exam room.

Consequently AGITO recommends that all clients design a suitable enclosed corridor structure to allow access to the lab and that this corridor rests against the walls of the lab around the doorways, thus created a seal. AGITO cannot be held responsible for failure to achieve ISO7 and/or CP10 and/or M10 levels of air purity and surface cleanliness if these conditions are not met.

3.5 Phone and network

The unit is equipped with 4 x RJ45 sockets externally. Both phone and data signals run through these lines. The 4 external sockets are connected to a patch panel in the control room and therefore any external socket can be networked to any internal port. There are 20 internal ports.

3.6 Water and waste water

The unit has a sink intended for scrub and general washing. This requires a water supply to be connected and a length of flexible pipe is provided to connect between the site water supply and the push-lock connector on the side of the unit. Waste water from the sink must drain via the supplied length of flexible pipe to a suitable drain point on the site which must be below the sink outlet.

3.7 Fire alarm connections if required

Connection to the fire alarm signal is located in the technical area close to the main incoming electrical connector.

3.8 Oxygen and suction connections if required

There are external ports that may be connected to supplies of oxygen and suction if this is a preferred option. Ports are suitable for connection to 15mm diameter pipe.

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 Requirements for site

- In addition to the power, data, water, waste and, if required, suction & oxygen supplies it is necessary to ensure that the unit can be positioned on suitable support piers. It may not be placed directly onto the ground.
- There are two variations of method:

With/without crane onto AGITO Relocatable Pier system
With/without crane onto pre-constructed concrete piers.

- The choice between with/without crane will be determined by the free space available around the site. If enough space is available for the tractor/trailer assembly to approach in a straight line then a crane will not be necessary. In this instance the modular unit can be off-loaded directly from the trailer utilising the in-built hydraulic legs to lift it off the trailer so that the trailer can be driven out.
- The choice between type of pier system will depend on the strength and slope of the ground. It is preferable to utilise the AGITO Relocatable Pier system as it is cheaper and more adaptable. However if the ground is weak and/or has a significant slope (or undulating nature) then the alternative of pre-constructing concrete piers with suitable foundations will be necessary.
- The decision regarding delivery method is made by AGITO personnel based on the site visit.
- If the AGITO Relocatable Pier system is used this is included in the rental cost
- If pre-constructed concrete piers are required all costs are borne by the hire.

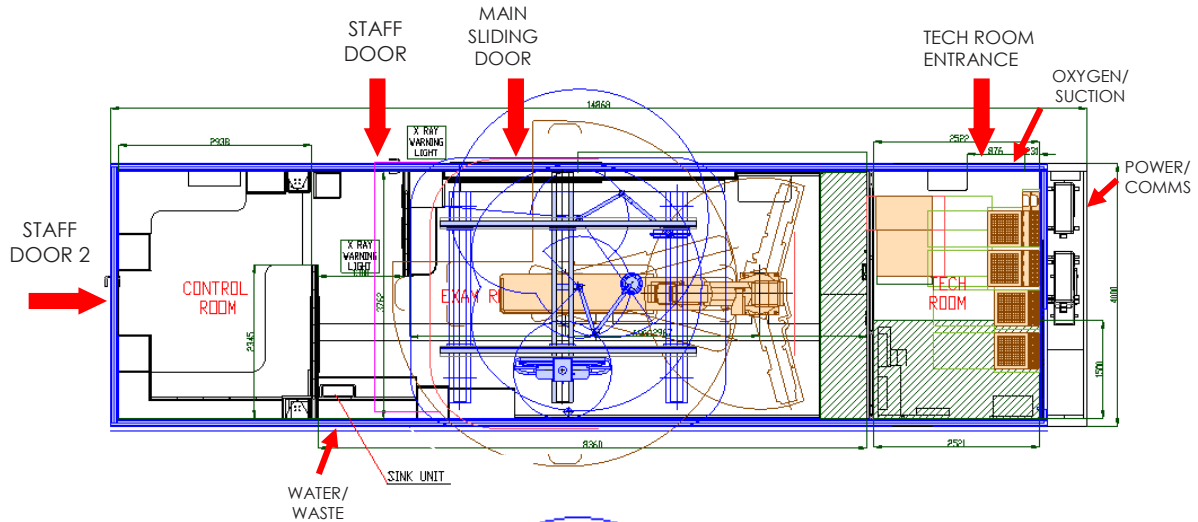
05 Relocatable Unit Layouts

5.1 Relocatable unit layouts

Each of the units in the series IT02 through IT07 has an almost identical floorplan. However IT02 differs in the location of the door to the technical area.

Two representative floorplans are shown below, separating IT02 from IT03-07

IT03 to IT07



IT02

