



MOBILE MRI SITE PLANNING BASICS



Where Flexibility Meets Function

Just because your facility can't support a full imaging suite doesn't mean you can't have full imaging capabilities. Our Interim imaging solutions are mobile, convenient and available when you need them, for as long as you need them.

The following pages will give you a glimpse into what you should consider as you plan for your mobile MRI unit.

Contact us for additional information and site planning guides regarding mobile CT and PET/CT units



I have worked with several mobile imaging vendors in the past; however, my experience with KMG in acquiring a mobile unit on short term notice to cover in-house equipment repair has been the cleanest, most simplified process I have been involved with. I would highly recommend KMG.

Gary Clarkson / Director of Imaging - Henry Community Health



Location! Location! Location!

There are many things to consider when deciding where to park the mobile MRI trailer, and the KMG Mobile MRI Delivery Team will walk you through all of them.

Are there any moving metal objects such as high voltage power lines, emergency vehicles, forklifts, helicopter landings, or automobile traffic nearby? These may cause vibrations and affect the MRI machine and the image quality. KMG will survey your desired location to ensure all of this is considered, and we will offer solutions if any of these issues arise.

Is there adequate ventilation for generator airflow? The mobile MRI has an onboard generator that may be used to power the unit if shore power is unavailable due to weather conditions. The diesel fueled generators will emit fumes and soot.

Do you have a firm, level surface to park the trailer? You will want to have a “support pad” where the MRI can be safely parked. Whether you have the full concrete support pad, or the minimum support using metal plates, the unit must be parked and leveled to avoid any difficulties in the MRI system operation. If you are planning to park the mobile MRI machine for an extended period of time, KMG will offer the expertise necessary for installing a permanent concrete support pad, considering things such as the depth of the concrete, the use of non-ferrous reinforcement materials, varying site conditions and local building codes.

Do you have access to a clean water source? The mobile MRI machine requires access to a water source. The unit’s water storage tank for the humidifier should always contain water to ensure the specified humidity level remains consistent for optimum image quality. In cold weather conditions, it may be necessary to provide a weather protected supply line to prevent pipe freeze.

Do you have adequate space to park the mobile MRI machine in the location that you have selected? The mobile MRI trailer is 48 feet long and 8 feet wide, and a semi-tractor is required to move and park the system, bringing the total length you will need closer to around 60 feet. The driver will need adequate turning radius for basic maneuvering. Sharp dips, curbs, bumps, and other parking lot surface conditions can affect the mobile unit ground clearance. Once the unit is delivered and in place you will also need some space around the mobile MRI unit for the stairs and patient lift, offering convenient access to the trailer by your imaging staff, service engineers, and most importantly your patients.



It's Electric!

Electricity is necessary to power the mobile MRI unit, including the MRI itself and the trailer. You will need a constant source of power available at your selected location, prior to delivery of your mobile MRI system.

- This includes a 480v 3-phase Russellstoll power receptacle within a certain distance of the parked trailer. The mobile MRI unit typically has a 50ft shoreline located in the rear skirt compartment and can be accessed from either the roadside or curbside.
- Once this shoreline is connected to the 480v 3-phase Russellstoll power receptacle, you have shore power.
- If at any time power is lost to the unit, it is imperative that the onboard generator be started to maintain constant connection to power. It is not recommended that the mobile MRI unit be powered for patient scanning by only the onboard generator. In certain cases, KMG can assist with an external generator connection if shore power is unavailable.

Let's Connect!

The mobile MRI unit is supplied with telephone connections, data line connections, and connecting cables.

- You will need to provide the weatherproof data outlets and any additional cables needed to connect your phone lines and your data lines.
- Your IT team will also need to install an exterior network connection near the power connection. This will allow the system in the trailer to connect to your network and send images to your PACS system.



Mobile MRI Unit Questionnaire

Thank you for downloading our Mobile MRI Site Planning Basics. This questionnaire will serve as a guide as you begin to set your facility up for our mobile imaging unit. If you have additional questions, give us a call or send us an email, we'd happy to walk you through.

1. What type of mobile MRI system are you looking for?

A specific OEM (Siemens, GE, Philips), wide bore, budget-friendly, specific coil configuration, any special software features?

2. What is your budget?

Mobile MRI machines typically rent for a minimum of two months and the monthly fee depends on the the system you select, and the duration. We offer discounted pricing for longer term rentals.

3. What is your time frame?

Is this an immediate need dependent on a project construction schedule, or is this a future need?

4. How long will you need the mobile MRI system? Will the use be long term or temporary?

You may choose to make concessions for a short duration. What might be acceptable for a one-time use might not be as good for a regular or long-term use.

5. Are your MRI technologists familiar with the system you are choosing?

Will they need applications training or assistance with protocols? Do you need KMG to staff the unit while it is there with ARRT certified radiology technologists or patient assistants? Or long-term staffing?

6. How important is proximity to Radiology or Emergency and other essential ancillary spaces?

Most mobile units will have a small area or room for changing and some space for a second technologist workspace. Mobile units do not have space for family waiting or storage of equipment like crash carts. And you will want to have a patient toilet and possibly hand wash station nearby.



Mobile MRI Unit Questionnaire

7. Does the location work within the facility master plan?

Unless you are only planning for an interim rental, it is best to consider your long-term plans, so that you don't chose a location that will be in the way of future expansion.

8. Do you have adequate space for the mobile MRI unit?

Does your proposed mobile location have an incline or decline that will affect how the mobile is parked? Is there adequate space to deliver the unit and provide easy access for patients and staff?

9. Do we need to construct a concrete pad?

If this is a long-term placement, a full concrete pad may be the way to go.

10. Do you have the proper power requirements available?

A 480v 3-phase Russellstoll power receptacle. You may need an electrician on site for this.

11. Do you have proper IT/phone hook ups?

What attachments do you have for the mobile to connect to PACS? Will you need a secondary hook up for other computers? How do you plan to hook up your phone line?

12. Are there any permits or regulations to consider?

ACR, Joint Commission, state and local health codes?

13. What are the operating hours of the MRI imaging department?

Will you need to consider extended service coverage for nights or weekends?

14. Do you need to consider climate and weather conditions?

Do you need a canopy to protect your patients from the elements during transport?

15. Do you need an MRI safe wheelchair or stretcher?

All patient transport aids must be non-ferrous and are typically smaller than standard sized transport aids.



How We Do It!

When we set up your facility with Interim MRI, CT or PET/CT units, our goal is to ensure you have the right equipment and support with as little downtime as possible. To do this, we take a four-pronged process approach to provide the best-in-class service that has made KMG a leader in mobile imaging.



1. Survey The Site

Our team will survey your site to identify the best location for the Interim mobile unit, paying particular attention to patient comfort and technologist workflow. We will assess your site and determine the best location for the unit, including mobile pad placement, power and zoning requirements, delivery access for the trailer, and canopies, walkways and weather shielding.



2. Delivery and Setup

We will deliver your Interim mobile system to your location, set it up and oftentimes get you scanning within a day or two. When the mobile unit arrives, our set-up engineer and an operations team member will already be on site to manage the setup, help get your data lines connected, walk you through the unit and ensure the system is ready for your patients. If you need, we can also offer applications training for your technologists.



3. Leasing Period

With KMG, you're in control over the length of your lease term. Whether it's two months or ten years, we'll work with you to create a contract that ensures the best success for your facility. Regardless of your lease term, you'll have 24/7 access to our service team, as well as full maintenance and repairs on both the system and the interior and exterior of the trailer.



4. Contract Completion

Maybe your upgrade project is complete. Or perhaps the success of your Interim system has KMG installing your in-house imaging suite. Whatever the case, we'll remove the trailer from your facility and you'll never know we were even there.



We Are Here to Help!

We understand that no two facilities are the same. Nor are your imaging needs. That's why we take the time to understand your needs – so nothing is left to chance. If you have further questions, give us a call or send us an email, we'd be happy to have a conversation with you.



Please keep in mind that this is not an official construction plan or specific site guide. Local and state regulations may differ for every facility, so be sure to have the proper permits and be sure to meet the applicable codes to avoid any unnecessary delays.



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