Design Disasters: Imaging Suite Failures

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- Rob has over 25 years of professional experience in healthcare, specializing in medical imaging.
- Founder of RAD-Planning. The firm has become nationally recognized for imaging suite safety and planning, including drafting ACR Guidelines, National VA Design Guides and AHRA Best Practices. Recent articles have been published by Diagnostic Imaging and Modern Healthcare.

Presentation Overview

- What Effects Imaging?
- What’s At Risk?
- Common Mistakes And Misconceptions
- Review Some Contemporary Failures
- Questions

What Effects Imaging?

- Vibration
- EM & RF Interference
- Magnetic Fields
- Structural Capacity
- HVAC & Humidity
- Modality Conflicts
- Construction Materials
What's At Risk?

- Inefficient Operation
- Compromised Clinical Capabilities
- Equipment Failure
- Catastrophic Failure

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Common Misconceptions

Vendor Provides Everything Right? ...... And Shows It On The Plans.

Vendor Provides Everything Right? ...... Computer HVAC Units
UPS Systems
Warning Signage & Security Systems
Work Counters
Exterior Chiller
Equipment Rigging

Common Misconceptions

Vendor Shows All The Required Spaces? ...... Changing Rooms
Staff Areas
Patient Storage
Patient Toilets
Hot Lab
Uphole & Recovery Rooms

Common Misconceptions

Vendor Shows All The Required Spaces? ......
Common Misconceptions

- All Scanners Are Basically The Same... aka, I can wait until the last minute to select the vendor!

Common Misconceptions

- All Scanners Are Not Basically The Same...
  - Size
  - Weight
  - Power Requirements
  - Service Clearance
  - Environmental Requirements

Common Misconceptions

- Match Equipment To The Space
  - Don’t Reuse Plans.
  - Don’t Interchange Vendor Details