

PHILIPS

sense **and** simplicity

SOFTWARE FAULT PATTERNS: A NARRATIVE FROM THE OT

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Agenda

- A Day in the Hospital
- IT in Healthcare
- Common SW faults and impact
- Possible solutions
- Q&A

Philips Healthcare

- Royal Philips Electronics found in 1891
- Philips started operations in India in 1930
- Brand: ***“sense and simplicity”***
- Focused on Health and Well-being
- Caters to Women's Healthcare, Home health, Cardiology, Oncology, Orthopaedics, Surgery etc
- Produces Imaging Systems for Clinical and pre-clinical studies
- Produces Clinical and Information systems for Patient monitoring, Clinical decision support, PACS



How the Story Unfolds?



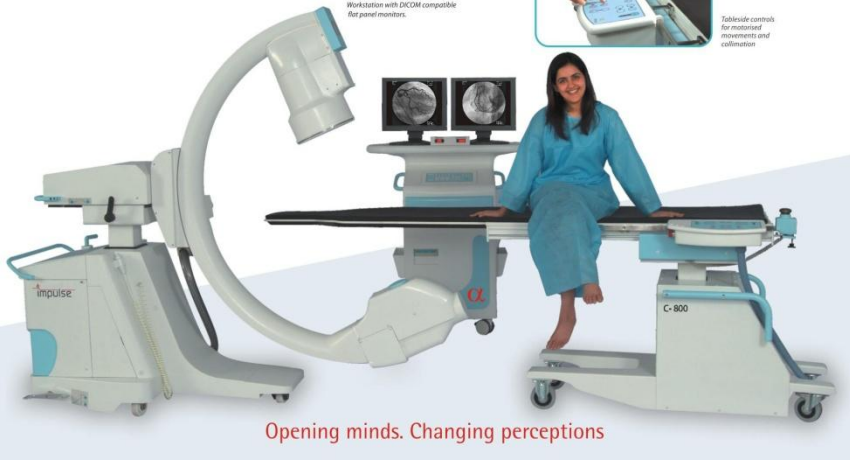
Where am I coming from?



Workstation with DICOM compatible flat panel monitors.



Tableside controls for movement and collimation.

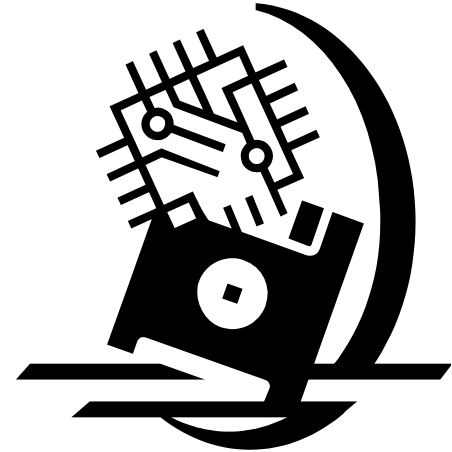


Opening minds. Changing perceptions



IT in Healthcare – Critical Role

- Workflow design
- Image computation
- Post processing
- Transfer
- Control system



Struck in My Workflow!

- Workflow:
 - Prepare, Acquire, Review, Transfer
- Context switch, Image lost
- Restart Application, Configuration lost
- Can't Transfer!



Where is My run?

- Patient data loss is trauma
- Configuration data loss is frustration
- Application hang is silence



What am I Supposed to do Now?

- Forget jargon, tell me what to do NOW
- Gather all data YOU need
- Status bar – I am too busy

Data must Flow – Multi Vendor Space

- Communication is your responsibility
- Be forgiving, be compliant
- Transfer fast, don't wait



Long Life – Design for Maintenance

- Service is a business model
- Customer at my neck – MTTR
- Shall I Install or overwrite?



Performance is Free, Paid for Reliability

- Long life
- High data load, be fast and accurate
- Must be consistent



Any Question?



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