

**AAMHP Conference
27 May 2014**

**Ceiling hoist workshop:
Building the case for ceiling hoists**

Master plan

- Site determined; feasibility
- Establish hazards & possible solutions

Project definition

- Committees established; scope
- Work area analysis; systems of work

★ Schematic design

- Finalise room functions; design briefs and layout
- Confirm PH equipment/ practices

★ Design development

- Sign off; details finalised
- FF&E established – assess suitability

Documentation,
construction and
commissioning

- Documentation for construction
- Selection of materials

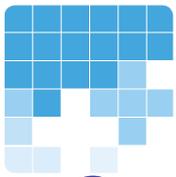
Post occupancy/
evaluation

- Evaluate with user groups
- Log of issues

Initiation/
prioritisation

Specification

Implementation/
evaluation

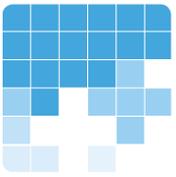


Case Study: Ceiling Track Hoists at GCUH

When and how to get involved



Simone Eggers, Physiotherapist
Manual Handling and Ergonomics Coordinator



3 Stages of design and installation of ceiling track hoists

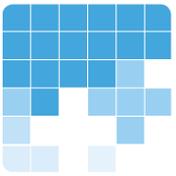
1. Prioritization stage

How to influenced the decision?

Evidence:

- Best practice
- Benchmarking
- Current difficulties
- Injury data





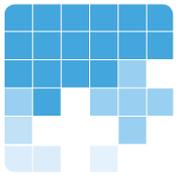
2. Specification stage

What do you want?

How do you choose?

- Tender process
- Selection criteria
- Functionality
- Key features
- Risks V Benefits

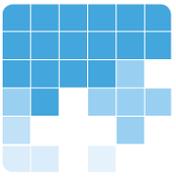




2. Specification stage

Selection process: How to choose between types of systems?





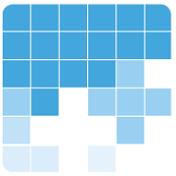
2. Specification stage

Risks of two operating systems



**Our
450kg
bariatric
rooms**

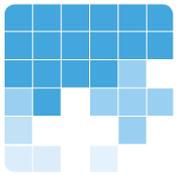




2. Specification stage

Considerations for traverse system design

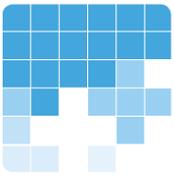




2. Specification stage

Specialty areas





2. Specification stage

Who is installing your hoists?

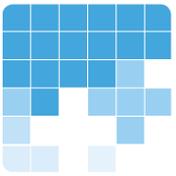
FF&E group definitions from AHFG's

Group 1 – Items supplied and fixed by the contractor.

Group 1A: Clinical impact items eg. ceiling hoists:
Specifications will be developed in consultation with relevant QH technical and clinical experts. Technical specifications from Vendors will be reviewed by client.
Requires QH sign-off.

Group 2 – Items supplied by the client and fixed by the contractor.

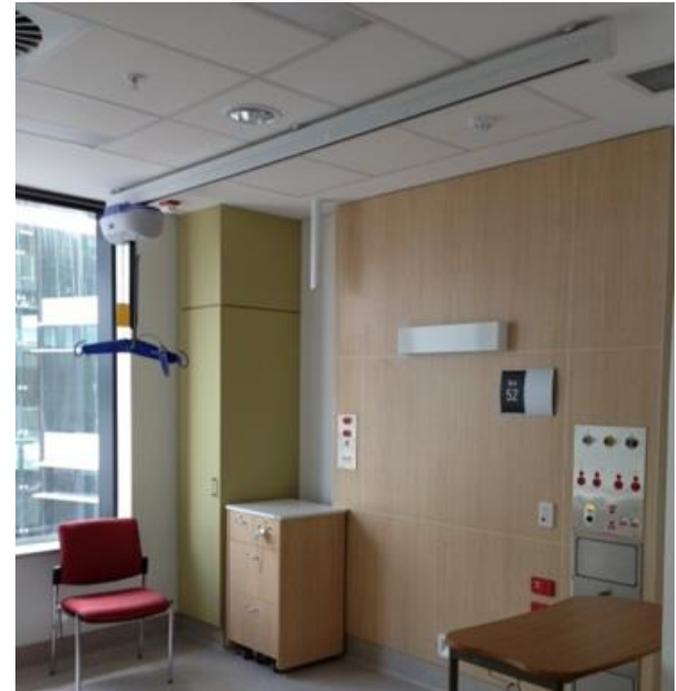
Group 3 – Items supplied and installed by the client or their chosen third party.

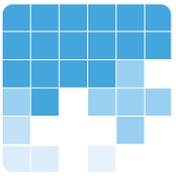


3. Installation stage

Issues:

1. Design issues:
 - 2 point Vs 4 point spreader bars
 - Battery flattening
 - Charging stations over basins
2. Staff training





3. Installation stage

2. Staff training

- Responsibilities
- Model
- Site access
- Temporary gantry
- Education centre
- Competency forms



Case study 2.

Ceiling Track Hoists at the Townsville Hospital

Mark Enders

Physiotherapist / Manual Handling Coordinator
Townsville Hospital and Health Service

Birth Centre



Palliative Care



Medical 4



Maternity



ICU



Mortuary



Ceiling Hoist – Mortuary Case Study

3 stages of design and installation of ceiling hoists

West Moreton Hospital and Health Service

Occupational Health and Safety Unit – Ipswich Hospital

Megan Green – Ergonomics Physiotherapist

Stage 1 - Prioritisation

- Statement of need – background
 - 2005 to 2010 there was a 250% increase in the number of obese patients being treated
 - Several recent examples of incidents occurring with moving bariatric patients
 - Deceased bariatric patients presenting an OHS risk to staff and loss of dignity to the patient
 - Review of management of bariatric patients within Ipswich Hospital - mortuary

Stage 1 - Prioritisation

- Consultation:
 - Bariatric Working Group and Clinical Subgroup
 - Equipment suppliers
 - Scientific Services and OHS Practitioners
 - Various guidelines
 - Engineering and Maintenance Department
 - Executive Director Ipswich Hospital

Stage 1 - Prioritisation

- Needs of Ipswich Hospital established
 - Larger patient transfer within the mortuary
- Management of the bariatric patient within the West Moreton Hospital and Health Service – Concept Brief completed 2012
 - Presented to the Executive team

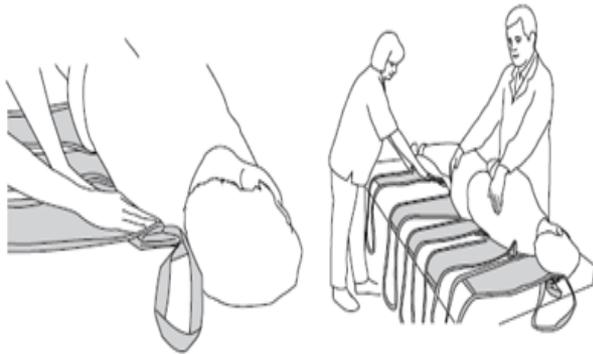
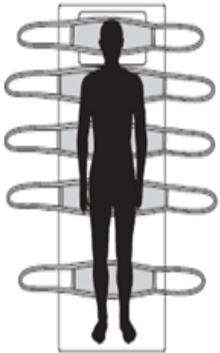
Stage 2 - Specification



Stage 2 - Specification



Stage 2 - Specification



Stage 2 - Specification



Stage 3 - Installation/evaluation

- Issues:
 - Motor cutting out – pivot on motor re-designed
 - Training of staff
 - Changing practice
 - Use of straps vs mortuary bag
- Evaluation:
 - Incident data, use of hoist
 - Consultation with users
 - Review of procedure and FURAT

Tools and Templates

Donna Lee

Principal Advisor - Ergonomics

Workplace Health and Safety Queensland