



# **Integrated Medical Interiors**

A step change in the patient experience

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## Rotherham Ultra Efficient Lighting FCP

- The Trust wish to achieve a step change in the patient experience; creating a patient centred environment.
- The Trust wish to achieve a step change in the lighting energy efficiency.





# IMI – From Concept to Prototype

## Benefits of FCP

- FCP looks forward not back
- Client Prepared to commit to a 7 year, 26 ward refurbishment programme.
- Workshops and design review sessions allow direct feedback.
- Process allows mock ups and end user feedback.





# IMI – From Concept to Prototype

## Rotherham Ultra Efficient Lighting FCP



**Sweden**  
Fagerhult – Luminaires  
Ecophon – Acoustic Tiles

**Sweden**  
Lund University,

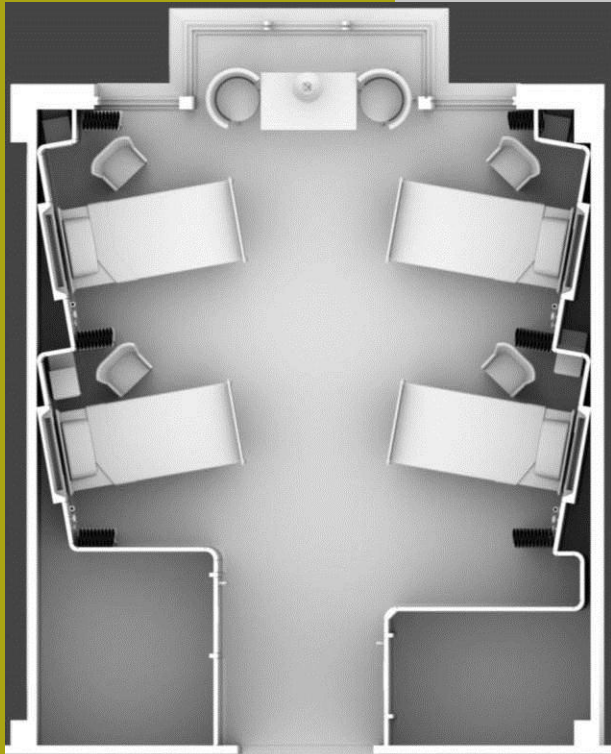
**United Kingdom**  
Cundall – Lighting Designers  
Austin Smith Lord – Interior Designers  
Wandsworth – Nurse Call Systems  
Intecho – Lighting Control System  
Leisure Technique – Offsite Fabrication

**UK**  
Kings College London,  
De Montfort University,

**Germany**  
OSRAM – LED's, Lamps, Control Gear  
WAGO – KNX Components



New SME created through the FCP process.





## IMI – From Concept to Prototype

### Energy Efficiency

Existing Bed = 383 kwh / year

Existing Bed = 201 kgCO<sub>2</sub> / year

IMI Bed = 137 kgCO<sub>2</sub> / year

Saving per bed = 64 kgCO<sub>2</sub> / year

Saving across the NHS ~ 10,200 TCO<sub>2</sub> / year





# IMI – From Concept to Prototype

## Conclusions

**1. FCP has delivered :**

- i. Product Innovation**
- ii. Energy Efficiency**
- iii. A New SME**

**2. Support is needed for SME's during the mock up stages. It is a costly process.**

**3. The project money needs to be ring fenced to ensure the process can be completed.**





# IMI – From Concept to Prototype







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# IMI – From Concept to Prototype







# IMI – From Concept to Prototype

Thank You

