David Bedwell
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Health Facilities Scotland

National Services Scotland

Practitioner and Counter Fraud
Central Legal Office
Information Technology
Procurement Commissioning and Facilities
Blood Tissues and Cells
Public Health and Intelligence
Role

The role of HFS is to support NHSScotland and the Scottish Government Health and Social Care Directorate by providing a focus for specialist professional advice on all Facilities Management areas of work.

We play a key national role in helping the Scottish healthcare community adopt a consistent and effective approach to the delivery of innovative high quality matters relating to facilities.
268 Miles

787 Islands
130 inhabited
Pop 5.2 Million

432 Miles
Scandal of dirty hospitals: 43,000 patients struck down by deadly superbugs on NHS wards last year

I mean, how hard is it to keep a hospital clean?

Dirty hospitals are cancelling surgery

7 dirty NHS wards

by BEEZY MARSH, Daily Mail
• Approx 900 Patient beds
• 97199 sqm to be cleaned
• 4960 Staff
• 412 Domestic Staff
• Approx 1000 visitors per day (Foresterhill Campus)
• 18 different entrances across the campus
Driving Improvement through Innovation
Breathalyser

1967
ATM Automated Teller Machine

1969
The Pocket Calculator

1971
The Camcorder

1981
Clockwork Radio

1993
Currently working in 10 high-rise buildings in Japan, the robot, which controls elevators to move from floor to floor unsupervised, returns to its storage area on its own when cleaning is completed.
Micro Surgery

Heart Transplants

Multi Organ Transplants

HAL

Power Units for upper limb
(+Angle Sensor)

Battery Pack

Control Unit on back

Bio-electric Signal Sensors

Power Units for lower limb
(+Angle Sensor)

Floor Reaction Force Sensor
THE LAST 10 YEARS

Top 10 Innovations

Backpack Vacuums
Battery Powered Equipment
Chemical Dispensing Systems
Ergonomically Designed Tools and Equipment
Floor Finish Polymer Technology
Green Chemicals
Hand Care
Micro Fibre
Operations Software
Touchless Washrooms
TOMORROWS INNOVATION

- Robots – bigger – better – more efficient
- Surfaces that change colour when dirty
- Walls that sense when their dirty
- Rooms that are sealed as the patient is discharged and a gas is pumped in
- Corridors on a roller
- Self cleaning paint / self cleaning ovens why not self cleaning equipment
- Door and corridor sanitizing systems
- Microbiological repellent clothes
- Computer programmed cleaning regimes
“Here's to the crazy ones. The misfits. The rebels. The troublemakers. The round pegs in the square holes. The ones who see things differently. They're not fond of rules. And they have no respect for the status quo. You can quote them, disagree with them, glorify or vilify them. About the only thing you can't do is ignore them. Because they change things. They push the human race forward. And while some may see them as the crazy ones, we see genius. Because the people who are crazy enough to think they can change the world, are the ones who do.”

Steve Jobs
Thank you

David