Reducing data centre risk and energy consumption through stakeholder collaboration

Sophia Flucker
Your Learning Curve

Where are your operators?

Where is your organisation?
Data Centre Operators Impact on Cost

- **Capital Expenditure**
- **Total Cost**
  - Redundancy
  - Lifecycle Costs
  - Operating Costs
  - Reliability Costs
  - Unawareness
  - Human Error
  - Energy Costs

£ downtime from bottom line?

12% saving, ROI 8 months
Kolb Learning Cycle

Experience:
- Try out new ideas

Reflection:
- What have I learned?
- What was effective or ineffective?

Practice:
- Apply amended or new solutions to new problems

Theory:
- What sense can I make of my new knowledge?
- Does it fit in with other theories?
- Do I have to adjust my understanding?
Project cycle, stakeholders and learning
Data centre stakeholders
CIBSE Building Performance Training Programme Award 2015

“The collaborative and hands on approach to training was commendable”
- Judge’s comment
Business Benefits

• Energy/operating savings
• Short simple payback periods (months)
• Reduced likelihood of outages
• Build on operator experience with expert knowledge
• Deeper staff understanding of facility
• Improved communication between teams
• Innovation from team members at all levels
• Promotes a spirit of continuous improvement
• Motivated team with ownership of improvements
• Delivered tangible results and savings without increasing risk
• Average enabled 12% energy savings per facility, ROI 8 months
Questions?

sophiaflucker@dc-oi.com
www.dc-oi.com