Achieving Sustainable Use of Energy in an Academic Office Environment by Means of Mixed-Type Interventions

nachhaltige universität freiburg

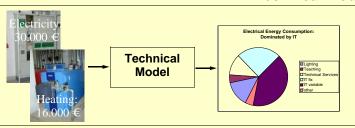
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I. Technical Models and Interventions



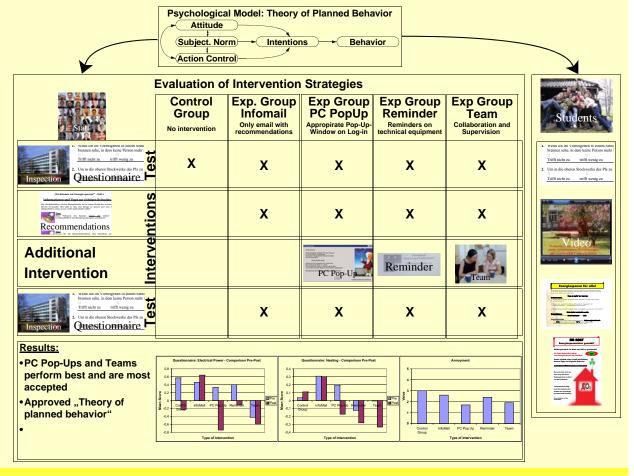


- Measurements (power, nat. gas, temperatures, ...
- · Adjustment (heating control, light timers, air condition, ..
- Installation and Exchange of Timers ("Tt" timed impulse type
- Green IT" (server virtualization, shutting down PCs, avoid stand-by, ...

Result:

•30% saving in long distance heating in the Lecture Hall

II. Psychological Interventions: Behavior Change



Intended and

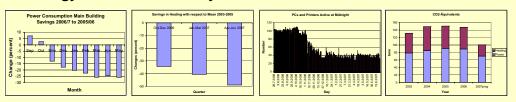
Observed

Behavior



III. Energy Units and in Money: Main Results

- •Power Consumption went down by 25 %
- •Heating went down by 30 %
- People are more aware of their consumption of energy
- Malfunctions are recognized earlier



IV. 100% Bonus supplied through the Sustainable University Project