



AIR HANDLING UNITS - BENEFITS

- Typically 20% to 42% energy savings
- Reduced CO₂ emissions
- Reduced maintenance due to the omission of belts
- Further energy reduction due to improved heat exchange
- Reduced heat created by fans & belts, so less to cool



TARGET

- Forward or backward curved laminar (flat) bladed fans.
- Belt driven.
- Constant volume.
- Motor capacity of 5.5 kW and greater (for paybacks inside 36 months).
- Running hours in excess of 2600 pa (10 hours a day, 5 days a week).

EXTERNAL HEAT EXCHANGERS - BENEFITS

- Typically 30% to 40% energy savings on the CHILLER load
- Increased heat exchange to prevent system trip outs
- Reduced CO₂ emissions
- Reduced noise, especially at mid season operation



TARGET

- ON/OFF or staged fan control
- 240/415 volt AC fans
- Not all fans inverted
- Flat bladed fan blades
- Condensing temperature greater than 15° C above ambient.
- Excessive noise

COMPUTER ROOM BENEFITS - BENEFITS

- Typically 35% to 52% energy savings
- Increased rack space
- Ramp speeds up and down without harmful passive Inverter harmonics
- Existing forward curved fans are unstable when reducing the speeds
- Avoid freezing up the coil associated with Inverting the existing fans
- Reduced CO₂ emissions
- Reduced maintenance due to the omission of belts
- Further energy reduction due to improved heat exchange
- Reduced heat created by fans & belts, so less to cool
- No more belt dust



TARGET

- Forward curved, centrifugal 'blower' style fans, belt or direct driven.
- Motor (combined) capacity 4kW & greater (for paybacks <36 months).

AIR CONDITIONING INSPECTIONS - BENEFITS

- Typically 5% to 15% total energy saving through quick wins & Capital investment
- Independent inspection means an un-biased report
- Action plan for implementation of findings
- Asset compilation
- FGas checks/DECs & EPCs can also be incorporated
- Prioritised scheduling for R22 phase out program

TARGET

- Buildings with cooling loads of over 250KW by Jan 2009
- Buildings with cooling loads of over 12KW by Jan 2011
- Any owner that wants to reduce their HVAC load





TARGET GUIDE FROM EFFICIENTAIR



CHILLER OPTIMISATION - BENEFITS

- Typically up to 10% energy saving
- Reduced CO₂
- Checks component COP (coefficient of Performance)
- Check for excessive component wear
- Checks for leakage
- Optimises multiple Chiller scheduling
- Checks condition of assets



TARGET

- Outdated refrigerants such as R22
- The larger capacity the better
- If you have had issues with system trip outs
- Chiller operating for excessive hours
- Chiller doesn't cope with cooling demand



WASTE HEAT RENEWAL - BENEFITS

- Generate your own Electricity from Waste Heat
- Carbon Technology
- Organic Rankine Cycle
- No capital required option
- Financed by electricity sold back to client
- Cogeneration of Hot Water



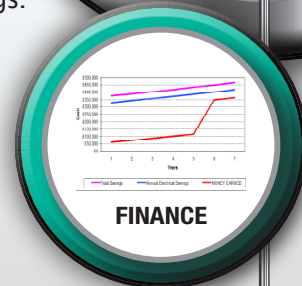
TARGET

- Any waste heat source from 120 to 400Deg C
- Steam Boilers, Oxidisation Plants, Incinerators,
- Biodiesel Generators, Biomass Boilers



FINANCE - BENEFITS

- Earn money immediately as payments are less than the energy savings.
- No capital required, as all payments come from energy savings
- All savings verified and guaranteed by Efficient Air
- A flexible product tailored to suit the clients needs



FINANCING OF ALL THE ABOVE PROJECTS

- Projects over £5,000
- Projects with suitable paybacks
- Verifiable due to static load

FOR MORE INFORMATION ON TARGET GUIDE PLEASE CONTACT:

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