

# Climate change is a threat to us all and therefore a challenge to us all

The Green Gateway Initiative was designed by Mitsubishi Electric to inspire, educate and challenge all of us as energy users. The Green Gateway Initiative is Mitsubishi Electric's proactive response to climate change and the detailing and formalizing of our intent to actively develop the Initiative. The Green Gateway Initiative is a bold and ambitious 10-point plan that points the way to a reduction of over 3 million tonnes of CO<sub>2</sub> per year, by 2016. That's the equivalent of removing 830,000 cars from the UK's roads. Some of the points are technological and new thinking and some are simple behavioral changes.



As a leading manufacturer we are urging our clients to take action now to reduce their CO<sub>2</sub> emissions. Using these points as a guide we are able to question current practices and influence new thinking. By working with our customers we can help to reduce overall carbon emissions and help the UK reduce its carbon foot print by 60% by 2050 in line with Government targets.

40% of Europe's energy is spent on heating, lighting, cooling and running our homes and offices. The EU estimates that by 2010 we could save 22% of the energy that is currently being used in buildings by using energy efficient products and taking responsibility ourselves.

Mitsubishi Electric is the only air conditioning manufacturer recognized as one of the top 5 companies in the world for its sustainable environmental policy. The Initiative is an on going project, headed up by our Green Gateway Manager Martin Fahey.

As part of the GGI Initiative, Mitsubishi Electric plan to implement a range of support and decision making tools to help achieve their environmental pledges and ideas.

The first tool to be released falls within the 'Repair versus Replace' part of the GGI. It is the Mitsubishi Electric Audit Tool and is used to look at the impact of repairing or replacing old units. Systems older than five years old are likely to be non inverter R22

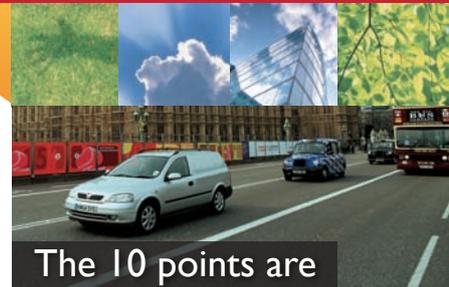
systems with less efficient technology and significantly higher running costs.

The user simply inputs the data of the old system (from a single split to a VRF system), the run hours a day, the number of operating days per year, the cost of electricity and the approximate installation date. Then some details of the new replacement design is required. The Audit Tool then analyses both sets of data to audit the equipment.

The Audit Tool shows the savings of the new system versus the old including electricity costs, the amount of CO<sub>2</sub> reduction per day and a simple return on investment calculation, comparing the cost of keeping an old unit running versus replacing it with a new more efficient system. The Audit Tool simply makes it easier to look at the impact of repairing or replacing old to new systems and may assist you in justifying the increased capital cost.

As a Mitsubishi Electric Corporate client we would like to help you manage and implement ideas by offering help or advice on this area. We have tools available that can identify your energy consumption and carbon footprint and suggest ways for you to reduce both for the future.

For a full explanation of each point as well as further information visit our new Green Gateway Initiative website at [www.greengatewayinitiative.co.uk](http://www.greengatewayinitiative.co.uk) or please call the Corporate Sales department on **0870 3000 070**.



## The 10 points are

1. Replace Old Equipment
2. Affect Purchasing behavior
3. Heat Pumps for Heating
4. Free Cooling and Heat Recovery
5. Improved Specification and Design
6. Decision Support Tools
7. Installation and System Commissioning
8. Maintenance
9. Controls
10. Residential

Green Gateway Initiative...  
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