

## Did you know... Facts and Figures

- Energy demand worldwide continues to grow at 2.4 percent per year while natural resources are limited and environmental problems continue to increase
- Until 2030 the consumption of primary energy will probably have increased by 50 percent compared to 2004
- At this stage, China is already the country with the second largest energy consumption, after the United States. China's additional future energy demand is presumed to be equivalent to the demand of all OECD countries
- India is the country with the sixth largest energy consumption and the energy consumption is predicted to further increase as well
- More than 30 percent of the total energy usage worldwide is consumed by electric power, thereof about 40 percent by motors, about 15 percent by lighting and approximately 6 percent by power supplies in electronics based equipment
- Almost all areas of electronic equipment have a huge potential for improved power management - from motor drives, power supplies and computing equipment to consumer products and lighting equipment
- Semiconductors for power electronics are the key to efficient energy management. Infineon is the global market leader in power electronics
- Infineon's expertise comprises a broad spectrum of power semiconductors and modules for the efficient management of energy and power supply as well as of electrical drive equipment and automation
- CoolMOS semiconductors enable completely new system approaches for power supplies, as used in servers, PCs, and laptops and in battery chargers in mobile phones and PDAs
- Compared to the past, these power supplies designs are now very small in weight and in size – even though the output power of these applications increased
- Infineon's IGBT chips enable new concepts of drives in household applications for example in fridges, in air conditioning systems, cooking ovens, and industrial applications
- Asia is the key market for these applications since it drives the high-volume development for many consumer, computing and white goods applications
- As the leader in this market and in power technologies, we can enable the industry to minimize power losses and maximize energy savings along the entire power cycle: generation, transmission and consumption
- It is expected that 80 percent of all electrical energy will be controlled and regulated by power electronics by 2010