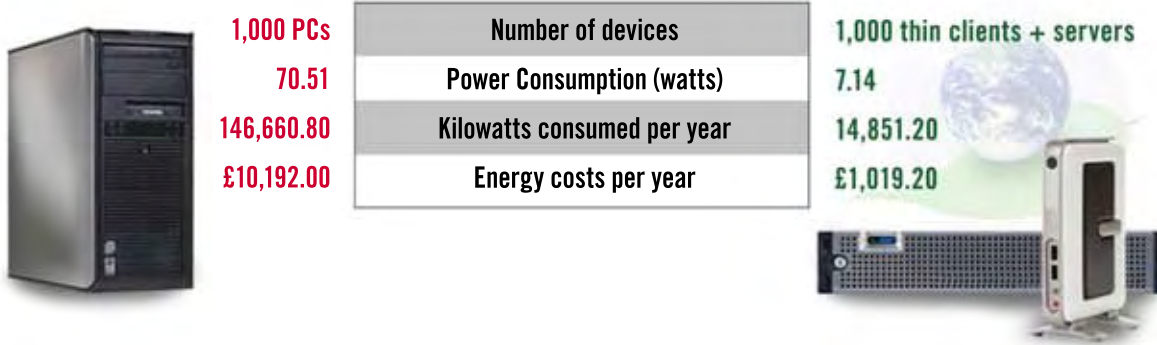


Today, thin clients, when coupled with modern servers are more ecologically friendly than PCs alone, and far better than PCs with servers. Consider this example: 1,000 PC users versus the same 1,000 thin client users connected to a centralised server environment over a one year period.



## Why Thin is 'Green'

- ▶ Less materials and energy are used in production compared to a PC
- ▶ Wyse thin clients are small in size and weight which reduces the cost and energy required for transportation. Less materials also means less to dispose of at the end of its life
- ▶ Up to 90 percent of the unit can be recycled, and up to 99 percent of the packaging can be recycled as well. Low heat output means less power needed for air-conditioning systems
- ▶ Wyse thin clients meet stringent ISO 14001 & ROHS certification
- ▶ Meets mandatory WEEE recycling process
- ▶ Longer product lifespan over a PC – 5 to 7 years

## Energy savings comparison: 1,000 PCs versus 1,000 thin clients

**WYSE**  
| | |

Taking into account the thin clients and servers, the thin client installation delivers the following benefits:

- **90 percent less energy used each year**
- **131,810 fewer Kw/H used each year**
- **£9,172.80 saved in energy costs per-year**
- **56.67 fewer tonnes of CO2 released each year**
- **27.5 fewer tonnes of e-waste after six years of use**
- **Substantially less air conditioning needed**
- **Less 'noise' pollution in user areas**

Calculations based on:

- S10 Thin Client at 6.6 watts per hour
- 3 Dell PowerEdge 2950 servers and Citrix Presentation Server 64-bit at 206 watts per hour per server
- Dell Optilex 620 at 70.51 watt per hour
- Energy cost at £0.07 Kw/H (UK National Average)
- 40 hour work week, 52 weeks

**EarthSmart Computing™**