Data Synergy

Ergo Computing save £74 per PC

Ergo Computing UK Ltd is a manufacturer of PC equipment located in Nottingham. Historically the company has periodically encouraged staff to turn off unused equipment but has never formally implemented an energy monitoring or enforcement policy. Ergo were keen to see what they could save using Power Manager.

"Before we found Power Manager we didn't really know how much waste there was. We asked users to turn off equipment and were really surprised when we found how much kit was left on"

Prior to the deployment of Power Manager Ergo was divided into three distinct business areas. Each was monitored during May 2008 to establish an energy usage profile:

Area	PCs	Actual Hours	Idle Hours (no user activity)	Waste %
Technical	28	8628	6198	72%
Production and Logistics	29	9242	6676	72%
Sales and Administration	39	14517	10827	74%

"Power Manager gave us the flexibility to save energy without harming productivity"

A basic Power Manager configuration was introduced in early June 2008 to the Production and Logistics area. The deployment was configured to suspend inactive computers after one hour of inactivity. This time was chosen to avoid inconvenience to users whilst removing most waste. The installation was monitored again during July 2008 and resulted in the following, reduced, energy usage profile:

Area	PCs	Actual Hours	Idle Hours (no user activity)	Waste %
Production and Logistics	29	4418	1498	34%

During the monitoring period Power Manager **reduced the number of waste hours by 5178 (80%)**.

"The level of reduction was so great that a typical day wasted the same energy previously wasted during the Easter weekend when we manually turned all the computers off (we missed one computer)"
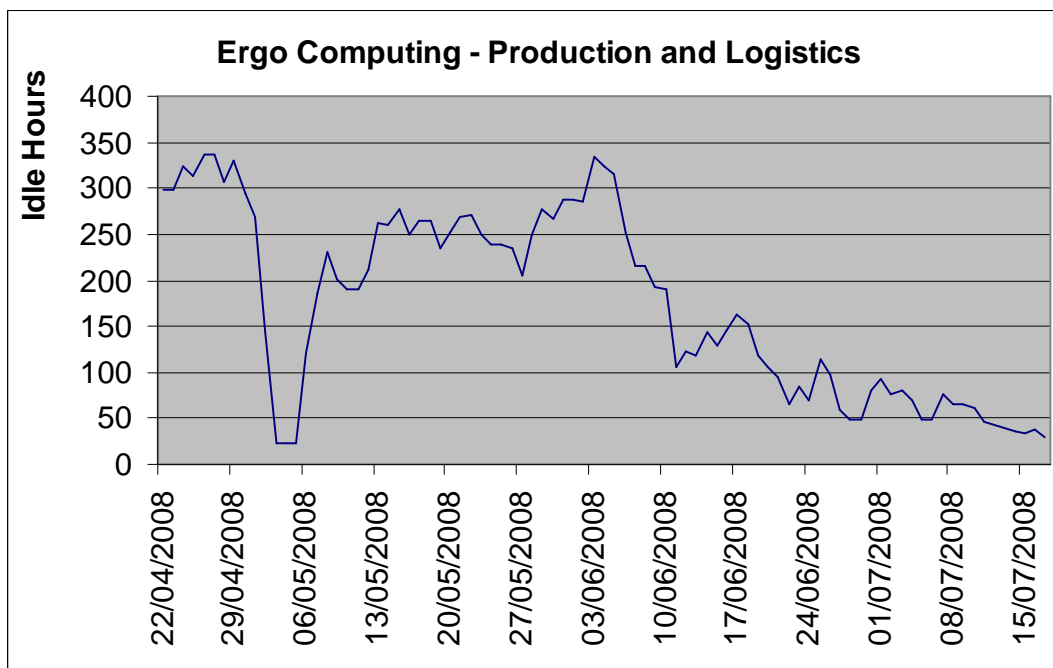
Site computer usage last 90 days

The equipment at Ergo was analyzed and the following found:

- Production / Logistics PC (based on sample of 5) were standard desktop computers with TFT displays. Idle energy consumption was around 125W

Based upon an energy consumption of 125W, a cost of £ 0.0659 / kWh, and a 51 week operation year (with one week factory shutdown) the savings were estimated to be:

- 32800 kWh per annum
- £2160 (or £74 per PC)
- 14100 kg CO_2

Ergo Computing - Production and Logistics

About Data Synergy

Data Synergy is a UK company based in Nottingham. We are not a reseller and do all of our development, sales and support in the UK. Our product, PowerMAN Power Manager, gives you unparalleled control over your enterprise PC energy consumption saving up to 70% of running costs and up to £60 per PC / Year. PowerMAN typically pays for itself (ROI) in around 4 weeks.