

Green Data Centre Capacity Planning



Are you responsible for Data Centre Operations and:

- ▶ **Worried about exposure under the Government's Carbon Reduction Commitment Programme?**
- ▶ **Struggling to reduce Power Consumption and Energy Costs?**
- ▶ **Considering Virtualization to reduce your Carbon Footprint?**
- ▶ **Frustrated with 'shot in the dark' proposals that lack any concrete ROI?**

We have the Right Solution for You

Our **Green Data Centre Capacity Planning** services help IT Executives with tough decisions to make. Is compliance with the Government's CRC regulations weighing on your mind? Are you thinking about Virtualization – and struggling to figure out if that will bring you the desired benefits? Or are you more worried about containing IT costs over the year ahead?

In the past, there has been no reliable answer. Tools and techniques have been ad-hoc, largely manual and with sporadic success rates. Now there is a new way - a direct link between cost and utilization that directly supports your Green IT agenda. Our **Green Data Centre Capacity Planning** services are *engineered* to prove **value for money**, for those whose concern is balancing service quality against cost.

It stacks up. Measuring performance and server utilization alone doesn't give you enough information to identify underutilized capacity, wasted spend, or headroom for growth. Why not? Because each asset has a different capacity, lifecycle and cost – and this understanding is essential for a sound, scientific process.

What does this mean to you? Our **Green Data Centre Capacity Planning** services bring this understanding to the table – enabling you to:

- ▶ Measure energy consumption across your Data Centre
- ▶ Identify trends and high drain assets
- ▶ Profile utilization across the physical estate
- ▶ Plan capacity and energy requirements
- ▶ Evaluate benefits/restrictions of virtual environments
- ▶ Implement corrective action to deliver **Quick Wins**
- ▶ Demonstrate improved cost/efficiency to your management

Our Value:

We support IT Leaders who are worried about:

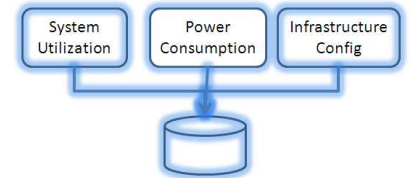
- ▶ Increasing Power Consumption in their Data Centres
- ▶ Compliance with the Government's CRC Programme
- ▶ Locating excess capacity in their estate
- ▶ Sizing the most cost/effective platforms
- ▶ Delivering ITIL Best Practise in Capacity and Financial Management
- ▶ Objectively assessing Purchase Requests
- ▶ Driving a Cost Control Agenda

Visit: www.limsol.com

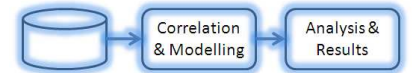
Or call: 0844 3572210

OK – So, How does it Work?

Our **Green Data Centre Capacity Planning** services work by gathering and correlating important information about your IT systems, including power consumption, configuration and system utilization. We can utilise your existing monitoring tools or assist in defining appropriate data collection processes and tools.



We apply best practise tools and analytics to profile energy consumption and determine optimized infrastructure configurations. We deliver a strategy to lower your carbon footprint, reduce energy bills and plan for new business requirements.



An important aspect of our work is the use of modelling techniques, to allow us to determine correlations and predict outcomes.

Advanced Capacity Planning – Use Cases

At LIMSOL, our service consultants work closely with clients to provide business, operational and technical value with solutions focused on your goals:

- 1) **During a Virtualization Programme.** **Uncertain about realising the projected energy savings from Virtualization?** Virtualization technology has the potential to reduce overall power consumption, but are you confident that your strategy will meet all your targets? Our solutions provide reliable insight into resulting power density and infrastructure utilisation. **Moving to a private cloud?** Engage with us to assure the success of your service delivery.
- 2) **To support Regulatory Compliance.** **Worried about exposure to the government's CRC Programme?** Every organisation that consumes more than 6,000 megawatt hours of power in any half hour period will have to purchase 'allowances' based on the level of usage. Our solutions provide clear indication of the exposure to this additional cost, and provide an actionable plan to reduce that exposure.
- 3) **To Cut Power Bills In Operations.** **Concerned about soaring power bills?** With the cost of electricity on the increase, those bills are sure to rise in the future. Addressing the cost cutting agenda now will provide greater benefits than if you wait. Our services will profile your current consumption, and deliver an actionable plan and strategy to ensure ongoing IT efficiency.

Learn More! Visit www.limsol.com