

# GREEN IT

## REVIVED PARTNERSHIP

Bechtle is a strategic partner for Green IT. In addition to high service quality and availability, Bechtle flexibly supports its partners with their business processes. Bechtle sees itself as a responsible partner, who works in close co-operation with the internal IT team and who also assumes responsibility for keeping the IT up to date. Over time Bechtle has earned the trust of its customers with quality service, which has carried over into "Green IT" projects.

## CONVINCING STATISTICS

The degree to which Bechtle has informed itself on the topic of energy-efficient IT infrastructures has impressed its business partners. Throughout the entire project phase it is the goal of all participants to establish a leading position as a promoter of sustainable and profitable business practices and to deploy environment-friendly technology. For Bechtle that includes both service and expert consultation. Bechtle also offers training for the proper daily use of IT and thus supports medium-sized businesses in the installation of an energy-efficient IT infrastructure.

## COMPUTER CENTRE AS AN EXAMPLE:

The first step in any project is the assessment of the old computer centre infrastructure. An analysis of the infrastructure's efficiency clearly shows, for example, how many hours the servers were in operation without being used, and how much energy was unnecessarily consumed as a result. For such projects an as-is-analysis is essential. All areas of the computer centre must be analysed according to their energy efficiency. Fundamentally, sustainability and profitability should go hand in hand. The solution typically means a consolidation of the server landscape.

## EFFICIENCY PAYS OFF

The customer profits from such a project. Fewer servers means less maintenance and reduced energy costs. The server optimisation contributes not only to an environmentally friendlier solution, but to a budget-friendlier one.

- Efficient use of hardware (consolidation, virtualisation): That means using minimal hardware at an optimum efficiency with enough reserved capacity to meet any short-term needs.
- Energy efficient hardware: Hardware must be efficient. Energy consumption per performance unit is the deciding factor. E.g. MIPS per Watt or GB per Watt.
- Energy-efficient cooling (data centre cooling technology): Hotspots must be avoided (separation of warm and cold aisles). Water cooling of racks, but at the chip level in the future.
- Use of heat by-product (heat pump, transportation into district heating system). Usually only economically feasible for new buildings

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