dcTrack™ Solutions Briefs

Reasons to Buy	Problem Statement	Solutions	Benefits	ROI
Automate Provisioning	▶ Slow provisioning cycles ▶ Inaccurate inventory records ▶ Outages due to uncontrolled changes ▶ Traffic in/out of the data center	▶ Accurate view of assets and resources ▶ Controlled change/workflow process ▶ Rules-based provisioning ▶ Powerful visualization tools	▶ Productivity increases ▶ Faster provisioning cycles ▶ Meet deadlines and SLAs ▶ Fewer outages	▶ OpEx savings ▶ Faster SLA delivery ▶ Less disruption to business
Improve Capacity Management	▶ Run out of space, power and cooling ▶ Stranded capacity ▶ Fragmented resources ▶ Wasted space, power and cooling ▶ Over-provisioning of space, power and cooling	▶ Floor plan visualization ▶ Visualize resource utilization ▶ Capacity analysis/reports ▶ Complete power chain mgmt ▶ Balance 3-phase power ▶ Detailed view of resource consumption	▶ Defer new data center builds ▶ Defer equipment purchases ▶ Avoid stranded resources ▶ Avoid fragmented resources ▶ Avoid costly reorganizations	▶ CapEx savings ▶ Delay costly new builds ▶ Higher capacity utilization
Reduce Energy Costs	▶ High energy costs ▶ Low efficiency servers ▶ Low capacity utilization ▶ Can't measure energy usage	▶ Power monitoring ▶ Power reporting ▶ Compare budgeted and actual usage ▶ Identify energy-inefficient servers	▶ Reduced energy costs ▶ Understand energy usage ▶ Identify inefficiencies	▶ Energy savings ▶ Reduce carbon footprint
Optimize Cooling via CFD Analysis	▶ Cooling is 30%-40% of energy costs ▶ High energy costs ▶ Hot spots ▶ Over-cooling	▶ CFD analysis ▶ Export to CFD ▶ Track perforated tiles ▶ Track blanking plates ▶ Temperature and humidity monitoring ▶ Easy to rerun CFD	▶ Simplifies CFD analysis ▶ Understand cooling problems ▶ Optimize cooling	▶ Energy savings ▶ Equipment reliability
Manage Data Center Builds, Moves and Consolidations	▶ Inaccurate inventory records ▶ Inability to manage data center silos ▶ Lack of planning tools ▶ Inability to manage rapid change	▶ Detailed data center modeling ▶ Racks, devices and ports ▶ Power/data connections ▶ Change/work order processes ▶ Consider space, power, cooling and network resources	▶ Meet project deadlines ▶ Accurate planning ▶ Reduced errors/rework	▶ OpEx savings ▶ Meet budgets and deadlines
Reduce Manual Effort for Compliance and Audits	▶ Incomplete data center inventory ▶ Extensive manual surveys ▶ Regulatory compliance (FDA, SOX) ▶ Manual circuit/connection tracing ▶ Internal audits	▶ Up-to-date inventory records ▶ Detailed, accurate model of the data center ▶ Instantaneous reporting	▶ Reduced manual effort ▶ Accurate, timely compliance	▶ OpEx savings ▶ Reduced compliance risk

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