lopoco
low power systems

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executive summary

lopoco designs and manufactures green-tech servers that provide substantial energy and cost savings without sacrificing performance. They are built on proven, shipping technology without costly custom chips.

lopoco validation

Every day, more functionality is being migrated to the cloud. Large cloud data centers to SMBs are wilting under the energy costs of power-hungry servers, which typically spend more than 90% of their life at idle. We have engineered low power servers which use 20% of the energy and 25% of the space of conventional servers. Many data centers today are already at maximum HVAC or power capacity, and will have to shutter or upgrade, at astronomical cost. lopoco servers are a perfect solution to alleviate that pain. When HVAC cost savings, higher availability and better opportunity costs are factored in, lopoco servers are an irresistible value proposition.

technology

lopoco's power supply technology makes it possible to have servers with an efficiency rating of 99% in some configurations -- unheard of in the industry.
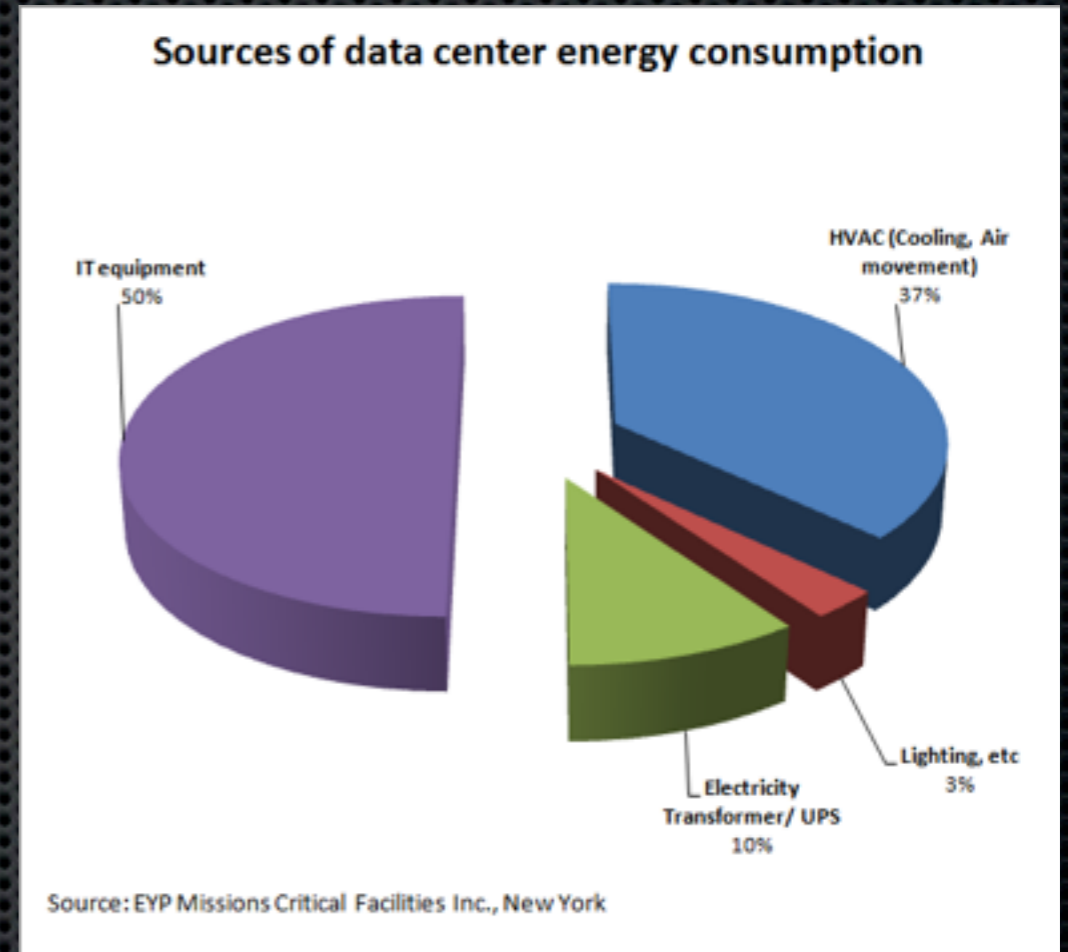
Our product line currently consists of three basic 1U server models and two basic 2U storage server models. The 1U servers range from a cost leading microserver to a high performance Sandybridge based model capable of holding up to 10 hot plug hard drives. The storage servers can currently serve a capacity of up to 78TB.

Irresistible Value Proposition of **lopoco** Servers

lopoco green tech servers help large data centers shed their monthly costs by 80% in virtually all areas. Summing those savings can realize reoccurring cost reductions greater than 90%. *All while preserving business continuity and compliance with conventional form factors and options familiar to customers.*

The graph on the right shows that, with the possible exception of lighting costs, a customer can save power costs in all areas of data center operation.

The table below shows the kind of savings EMEA customers will can realize when considering our products. Per 1000 servers/yr.

Sources of data center energy consumption

IT equipment 50%

HVAC (Cooling, Air movement) 37%

Lighting, etc 3%

Electricity Transformer/ UPS 10%

Source: EYP Missions Critical Facilities Inc., New York

European customers		Electricity	HVAC	Totals	Savings
90% avg. load	Conventional X86	$525,600	$525,600	$1,051,200	$935,568
	Lopoco	$105,120	$10,512	$115,632	