lopoco
low power systems

contact

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management team

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tech: Peter Theunis   peter@lopoco.com

mkt: Sherry Smith   sherry@lopoco.com

lopoco is led by cofounder Andrew Sharp who has been in the server business in Silicon Valley since he joined Convergent Technologies in the mid-1980s, and has worked at Sun, HP and SGI.

Peter Theunis has more than 10 years of experience in large scale systems architecture in Silicon Valley startups as well as with Yahoo!

Sherry Smith brings more than 20 years of experience, and is a veteran of Silicon Valley startups including her own small business startup, Tri Digital.

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. From 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.

market

The global $20B server market[1] is craving for low power solutions. Our low power server products are what every data center, enterprise and SMB wants, but cannot find. We expect products like ours will become about 60% or more of that market in five years. In 3 years, we plan to be on a trajectory to have greater than %20 share of that $12B market.

ip & competition

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.
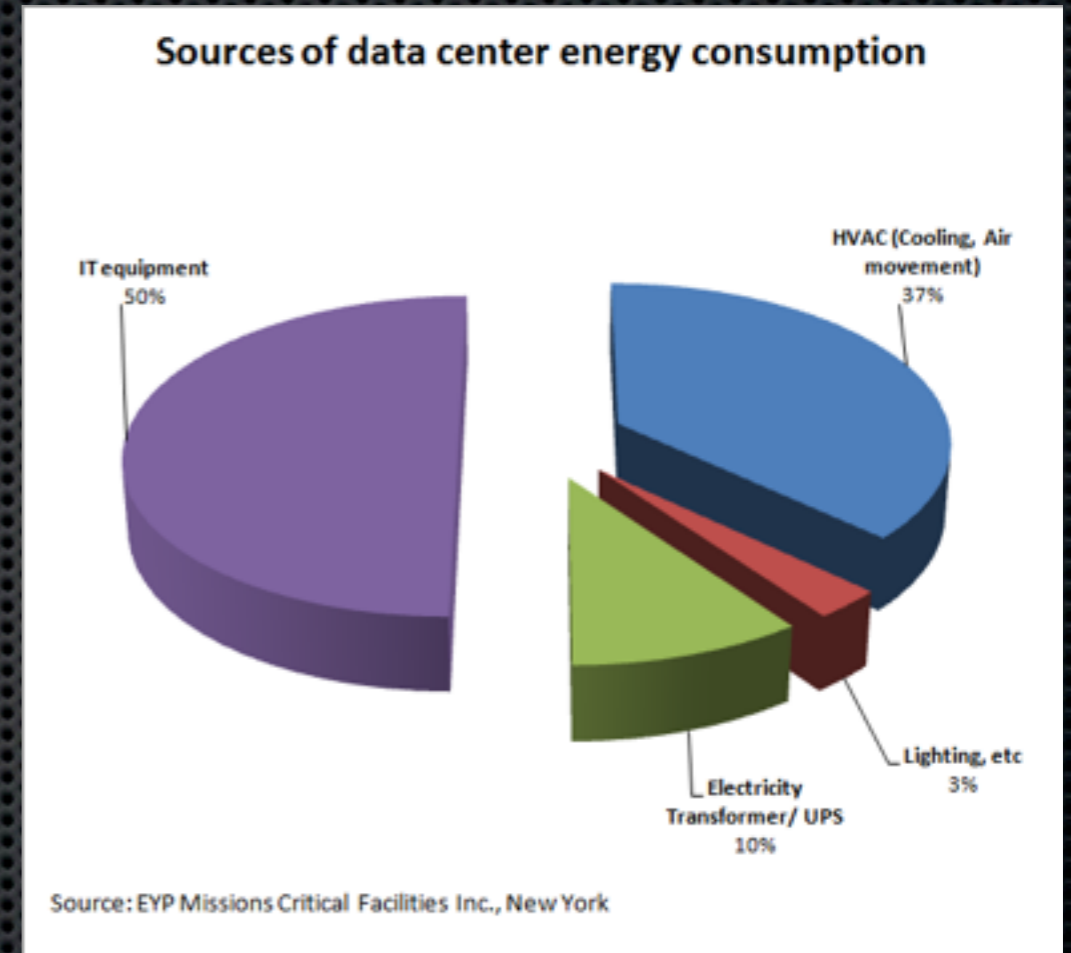
Our true low power solutions puts us well ahead of our competitors, who are in the space because of the fad with extremely inferior products. Our technology, combined with our experience with cloud data centers, server engineering, and the software required to sell into the market gives us an outstanding competitive advantage. The paradigm shattering hardware designs, along with unique, ultra-efficient power supplies give our servers an edge that no competitor will be able to match inside of 18 months.

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%

Electricity Transformer/ UPS 10%

Lighting, etc 3%

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	