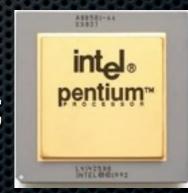


Team

- Andrew Sharp, CEO and co-founder.
 Engineer and Manager in the server business since the mid-1980s
- Peter Theunis, Co-founder and CTO.
 - > 10 years of experience in large scale systems deployments
- Jack Mills, VP of Engineering. (Advisor)
 Architect of the Pentium and Itanium processors at Intel;
 former Director of advanced processor research at Intel



Mark Brine, CFO. (Advisor, Board member)
 Director of Finance at Cloudera.



Problem



WASTEFULI

Conventional servers waste more than 1/2 the power they consume

- 100s of millions of \$\$ for large data centers
- Not great for SMBs either



Solution



Lopoco Ultra-efficient servers 1/4 the power of conventional servers

- >50% Reduction in Data center OpEx
- Lopoco servers run cool and quiet => more reliable
- Less power => greater server density



Conventional Rack 8.1 KWatt Power

20 Servers

Lopoco Rack 8.1 KWatt Power



80 Servers



Irresistible Value Proposition

Savings per year on just electricity costs

12c/kWH

Servers/yr	100	1,000	50,000
Conventional	\$42,500	\$425,000	\$21,250,000
Lopoco	\$10,500	\$105,000	\$5,250,000
Savings	\$32,000	\$320,000	\$16,000,000



Irresistible Value Proposition

Total Savings - Large Data Center

3 year estimated

20k Servers	\$50/watt	\$75/watt
Conventional	\$175,000,000	\$262,500,000
Lopoco	\$50,000,000	\$75,000,000
Savings	\$125,000,000	\$187,500,000



Traction & Validation

Revenue to date: \$75k [Oct 4 2013]

- Named "Most Efficient Server" tested to date by Power Assure Corporation
- 75% repeat customers
- over 60 systems shipped





PAR^{4®} - Energy Efficiency Certification

Sample Card Number: PA20130905220238001

Date: 2013-09-05

Machine Specification:

Lopoco LP-4250 LP-4250-6H

1 intel Xeon E3-1265L V2 @2.5GHz, 4 cores 2 Kingston 9965525-018.A00LF 4GB @1333MHz 6 WDC WD10JPVT-00A SATA 1000GB @5400RPM

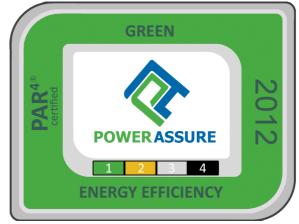
1 generic low-power @200W

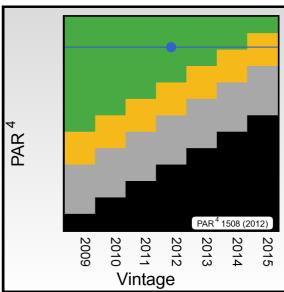
Results:

Vintage PAR⁴: 1,508 Vintage Year: 2012 PAR⁴ Rating: GREEN

Absolute PAR⁴ 2,108

3 Year Cost (Est): \$91.46





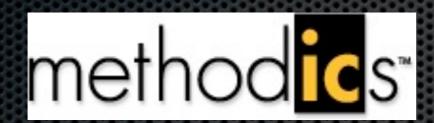
Power Consumption Details						
OFF	IDLE	LOADED	PEAK	BOOT TIME		
7.489W	26.61W	67.57W	67.57W	84s		
121.7V	121.8V	121.9V	121.9V			
0.184A	0.286A	0.583A	0.583A			
0.3PF	0.8PF	0.9PF	0.9PF			



Customers















Competition

SeaMicro (nee AMD), Moonshot, Calxeda, Servergy

All are selling a product customers don't want:

- Proprietary hardware
- Custom silicon
- Not efficient!
- Weird processors, weird form factors, just weird



	SeaMicro	OCP	Calxeda	Servergy	Moon	Lopoco
Low Power						✓
Efficiency Gain	20%	15%	?	?	?	75%
X86		✓			✓	✓
No Custom Silicon						
No Custom electronics						
64-bit		✓		/	✓	
VM acceleration	/	/				
Standard Form Factors						
ASP	\$1m	\$20k	\$200k	?	\$200k	\$2.5k
Customers	/	✓	?		?	
Shipping	✓	✓	✓		✓	✓

Moon = HP Moonshot OCP = Open Compute Project



Market

Current global server market > \$50bb.
 Expected to grow to \$100bb in 5-8 years

- Lopoco style servers predicted to be 80% of market in 5-8 years => \$80bb
- Not targeting HPC market



Market Strategy

- Direct sales
- VAR and reseller channels TBP after funding close







Exit

- Highly disruptive product: acquisition most likely
- \$400mm revenue/yr in 3 years = acquisition valuation of \$2bb 1000 servers ~= \$2.5m Over 100 NA customers buy in quantities > 1000/month
- Similars:
 - \$2bb Cobalt Systems, purchased by Sun in 2000
 - \$335mm Seamicro, purchased by AMD in March
 - \$1bb Wyse Technology (low power desktops) purchased by Dell in August 2012