



Novatorque

Highly Efficient Electric Motor Systems

Emily Liggett, CEO
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Proprietary Electric Motor System

Much higher performance for same cost

Delivers 2X torque over wider operating range with same size motor

Replaces or simplifies mechanical belts, pulleys and gearboxes

Uses up to 40% less electricity

Company Highlights



Fully developed and tested product

Strong patents issued

\$30B WW TAM, \$2B initial US target market

\$10M Series A from NEA and Menlo Ventures

Low-cost manufacturing automation developed

POs received for early products

Projected revenue \$1.5M FY10, \$108M FY13

Management Team: Silicon Valley Veterans

Emily Liggett

CEO

- Capstone Turbine, CEO
- Raychem/Tyco, VP and GM

Don Burch

Co-founder & VP Prod Development

- Quizix, VP Product Development
- Acuson, VP Engineering

John Petro

Founder and CTO

- Quizix, Founder & CEO
- Phase 2 Automation, VP Elec Eng

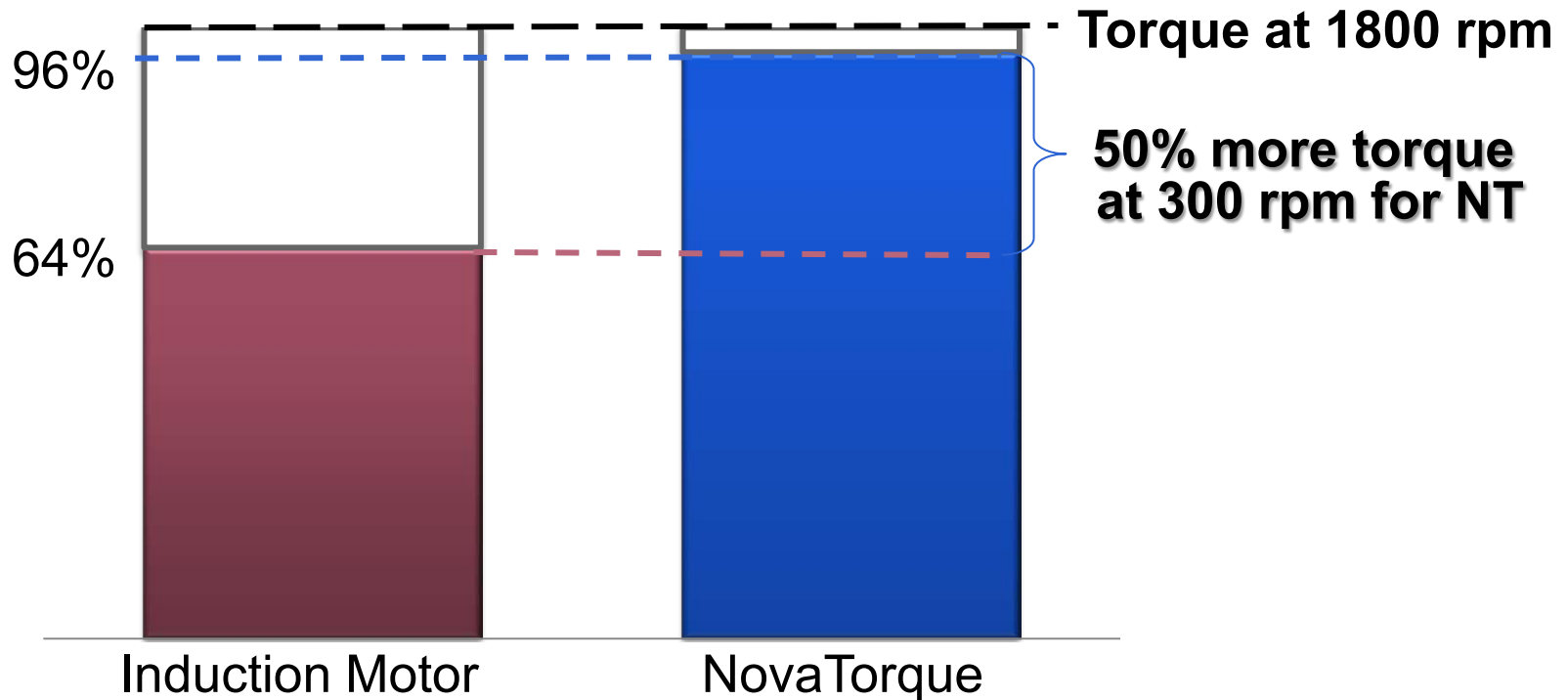
Lawson Fisher

VP Production Automation

- Pelikan Systems, VP Engineering
- Phase 2 Automation, Senior EE

Pump Case Study*: Higher Torque Over Wider Operating Range

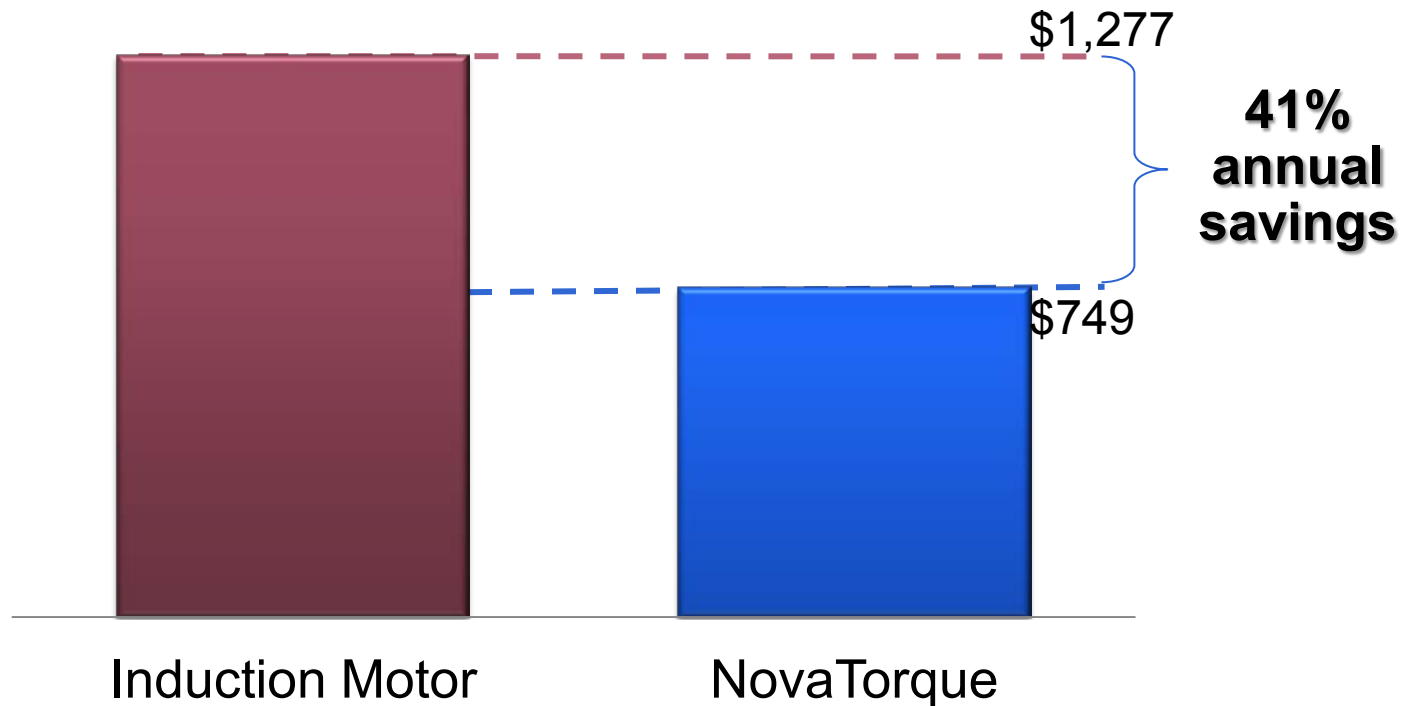
Shaded area is available torque at 300 rpm



* 3hp induction motor rated at 1800 rpm (12 Nm) with drive vs NovaTorque 12 Nm motor with drive

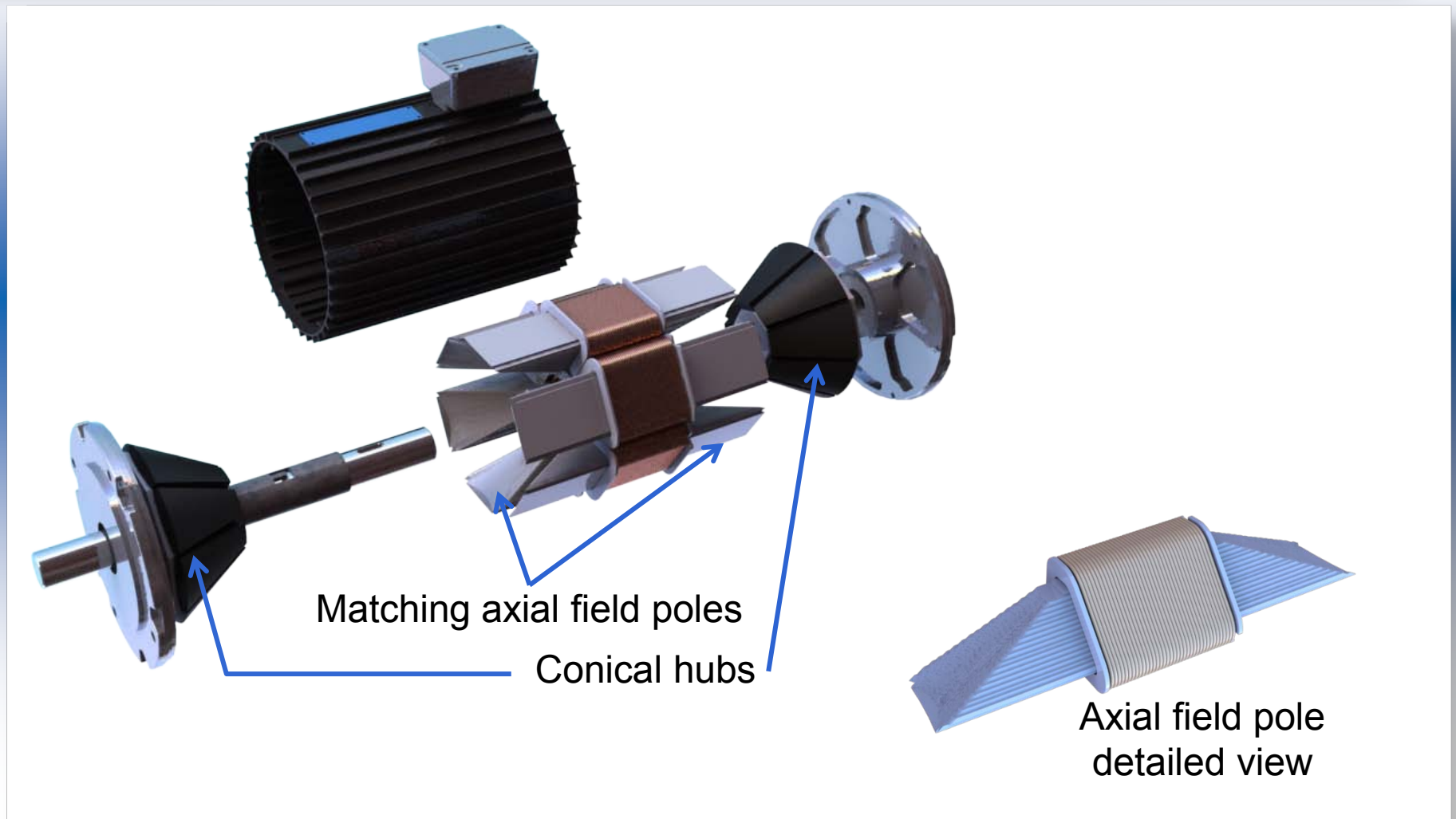
Fan Case Study*: Cost Savings Through Efficiency

Annual power bill



* 3hp induction motor at 71% duty cycle, \$0.08 kWh power cost vs NovaTorque 12 Nm motor & drive with varying speed

Issued Patents on Motor Geometry



Sustainable Competitive Advantage

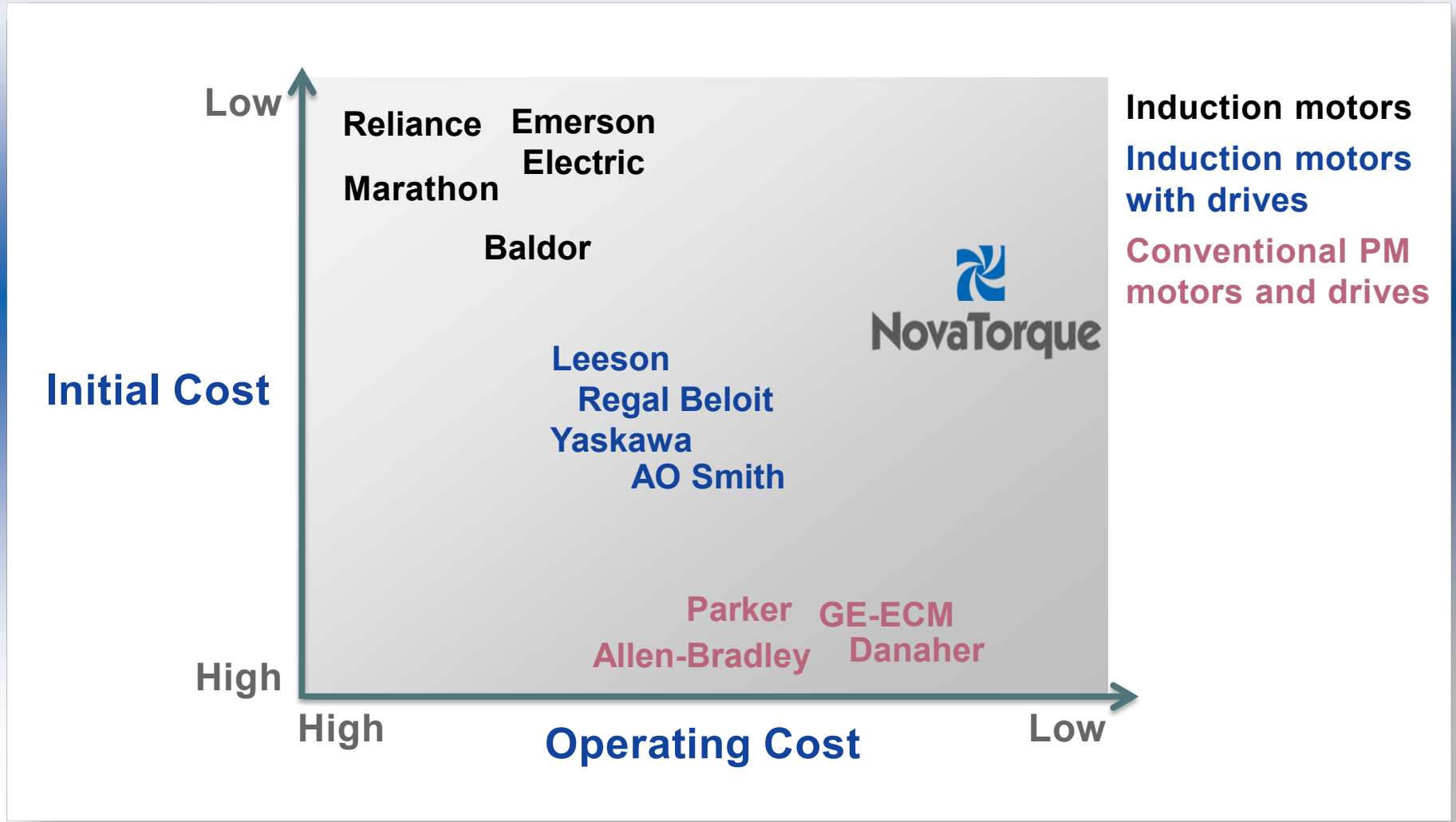
Strong IP protection

- 4 US patents issued; 9 pending
- China and Japan patents issued; more countries pending

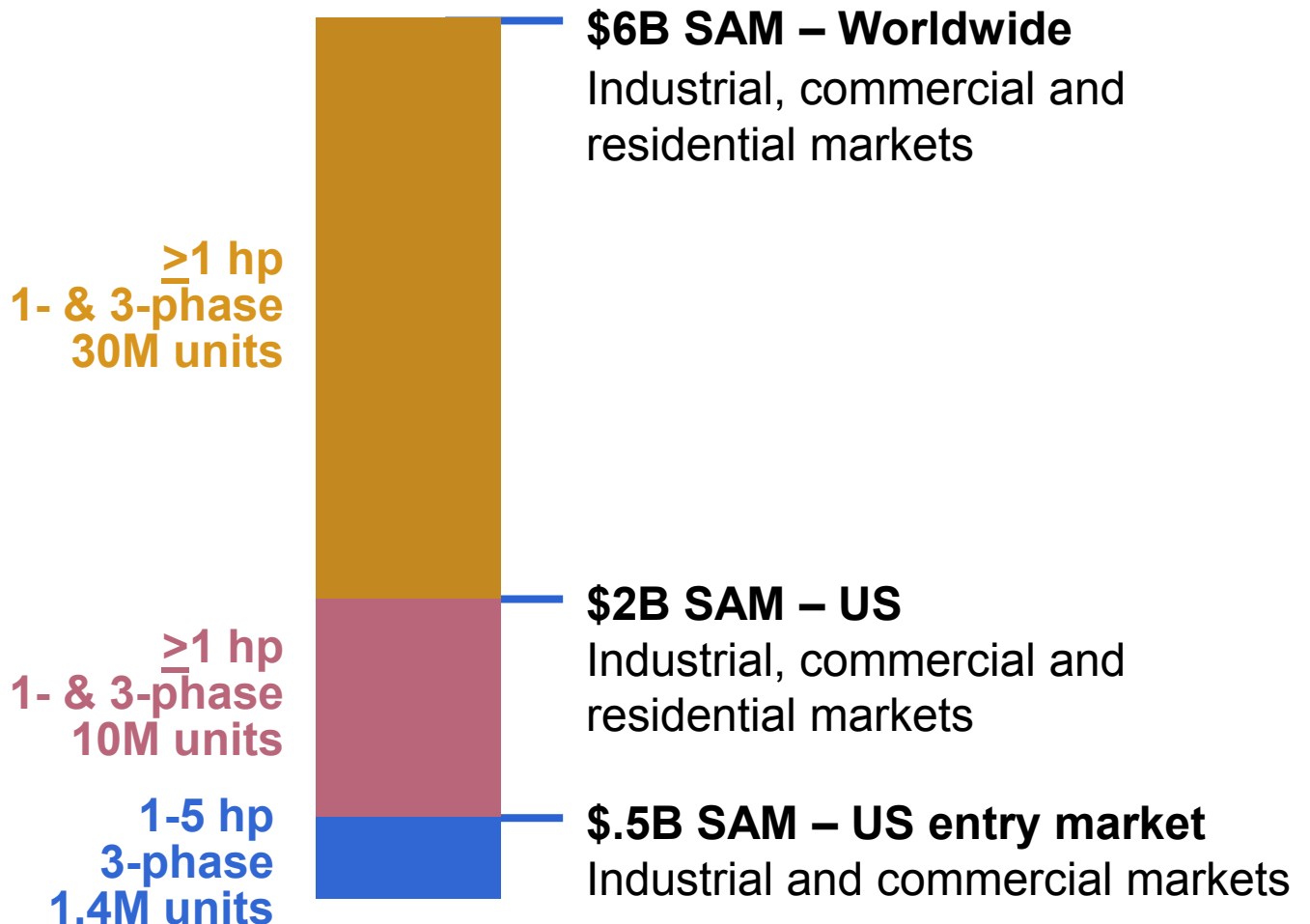
Benefits of patented geometry

- Automated manufacturing results in lower NovaTorque costs
 - Modular production
 - Low capital cost
 - Flexible raw material selection
 - Minimal scrap
- Higher performance results in lower costs for the customer
 - Wide operating range
 - Higher torque output in smaller size
 - Higher efficiency reduces operating costs
- Higher efficiency supports stronger regulatory standards

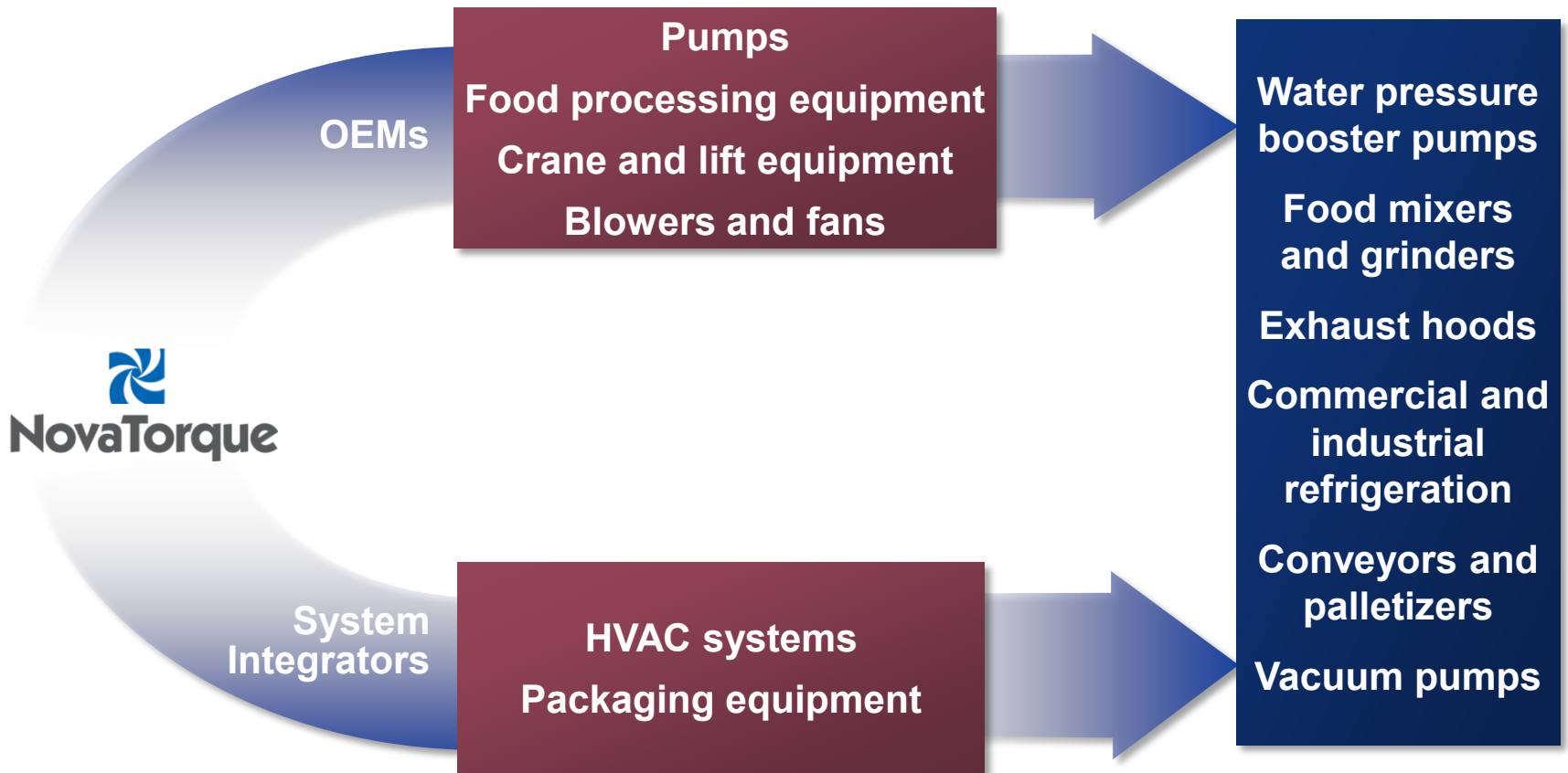
Customer View of Competitive Value, 1-20 hp



Annual Serviceable Addressable Market (SAM) for ≥ 1 hp non-hermetic motors



Market Entry Strategy*: \$500M US Commercial and Industrial Market



* 1-5 hp, 3 phase, non-hermetic motors

Next Steps

● Raise Series B

- Support revenue growth
- Scale up manufacturing
- Grow sales and application engineering capabilities
- Develop & launch products beyond fan & pump applications, i.e.
 - Electric vehicles and propulsion
 - Compressors
 - Hydraulic conversion

● Success for NovaTorque and their investors

Why Invest in NovaTorque

Low market risk

Large potential market

- Better functionality at lower costs
- Efficiency regulations accelerating adoption

Low technology risk

Sustainable competitive advantage

- Multiple patents awarded, additional filed
- Innovative manufacturing automation

Low management risk

Great team

- Proven start-up track record
- Experience in technology sector