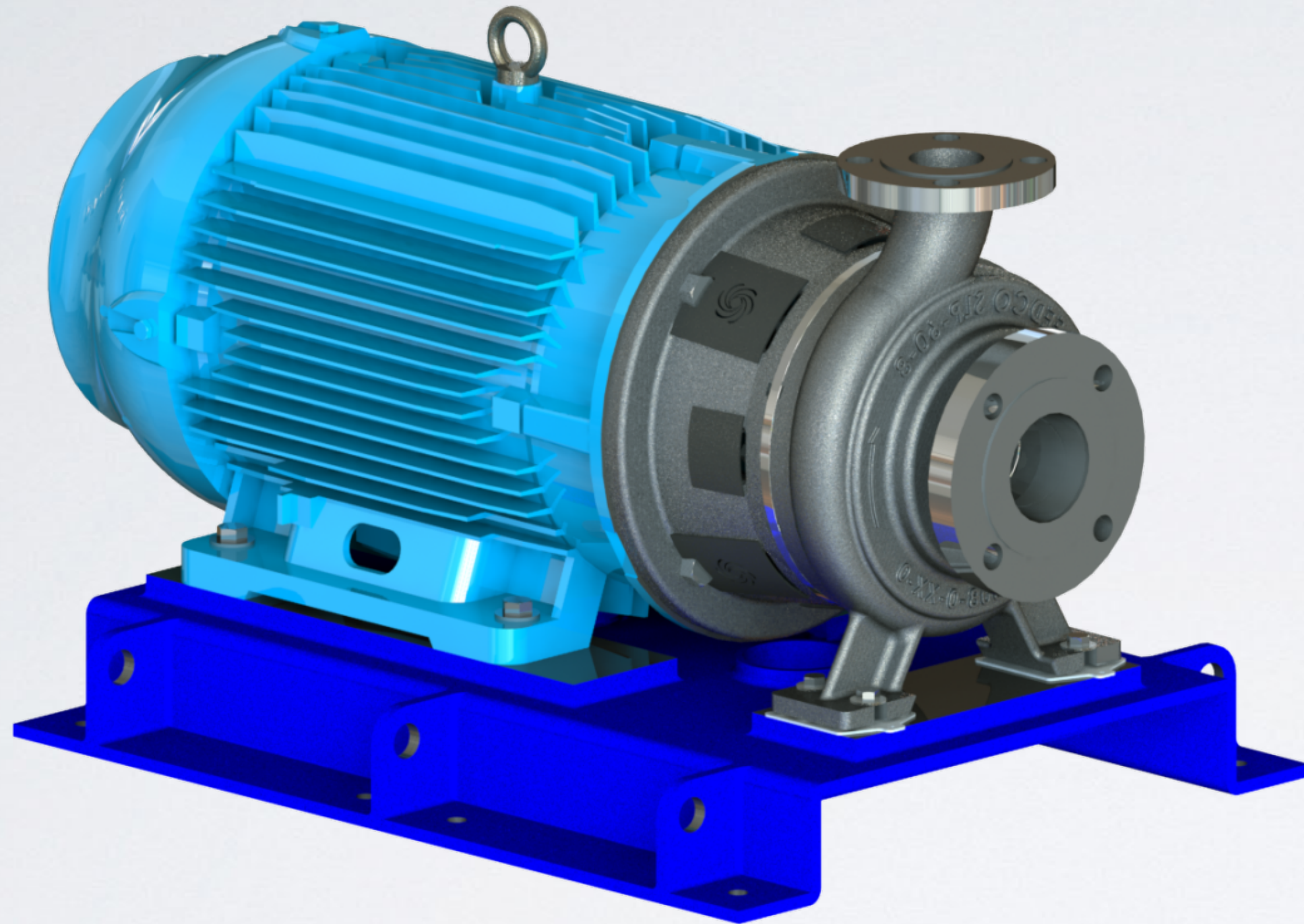# Infinitum electric

Company Overview

Bigger is not always better

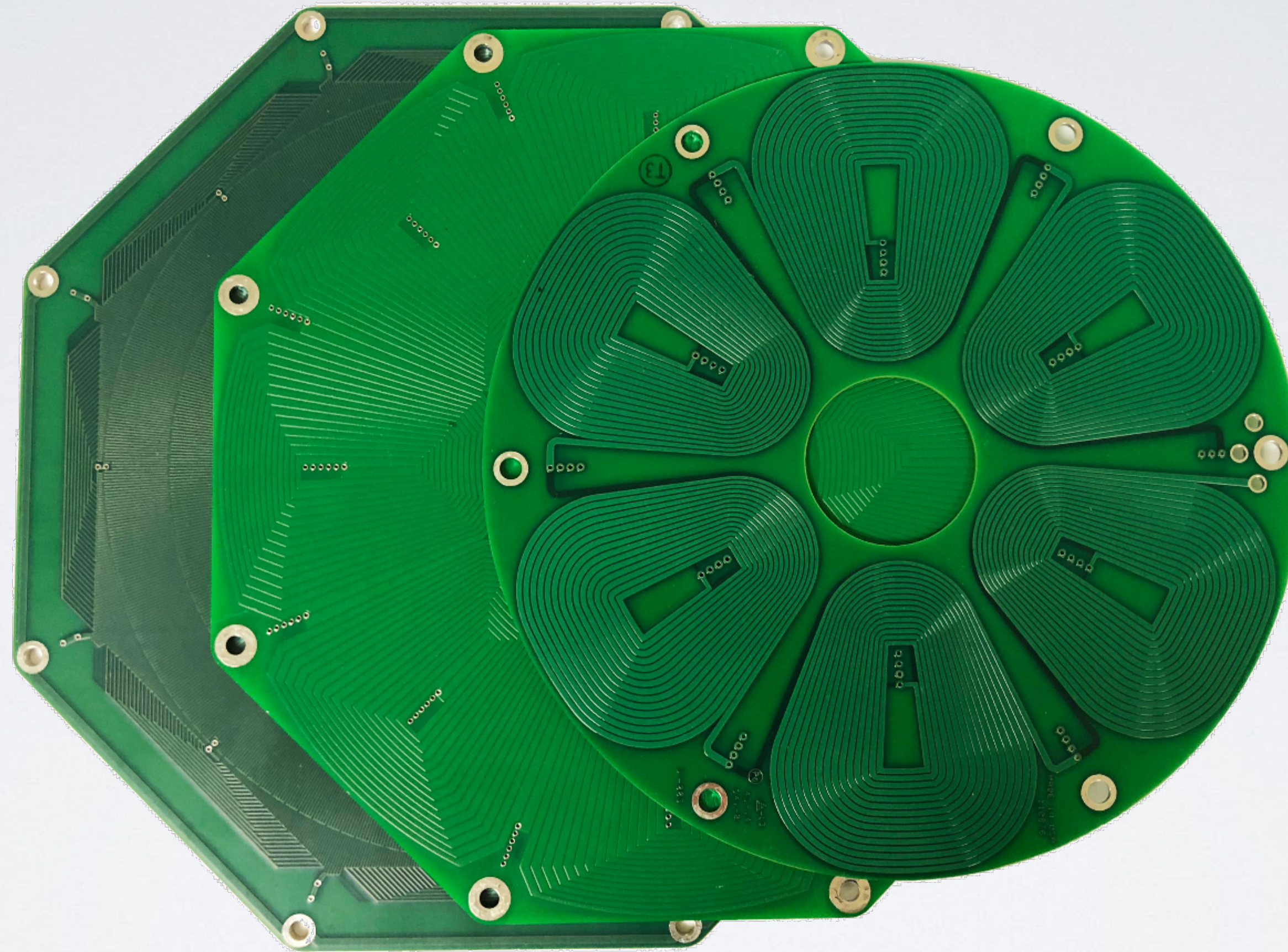The motor is often larger than the device it drives

Need to adjust the speed?
Don't forget to add the drive

The motor has not changed in over a century

Century old copper wound iron core stator

Transformational technology

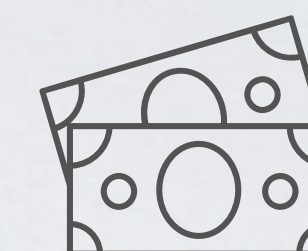Infinitum Electric patented PCB stator

Class leading performance

Comparison:
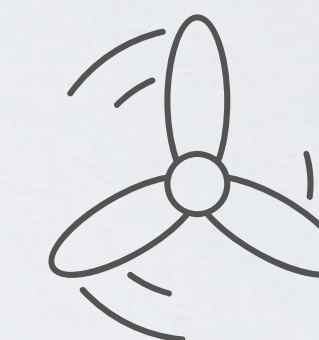1hp @ 3,600 rpm

Higher
efficiency

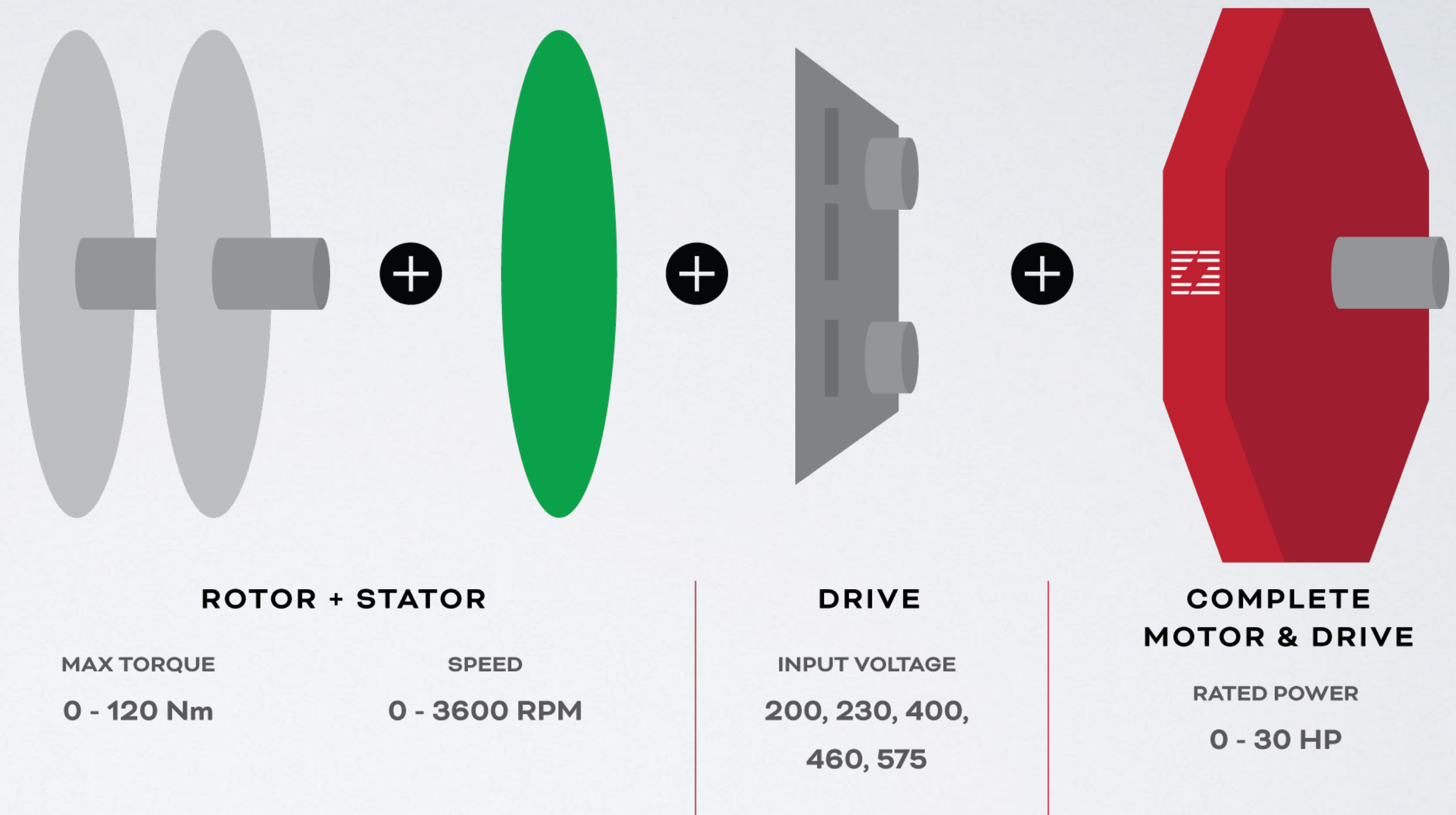Lower
cost

Spark
proof

Lighter
weight

More
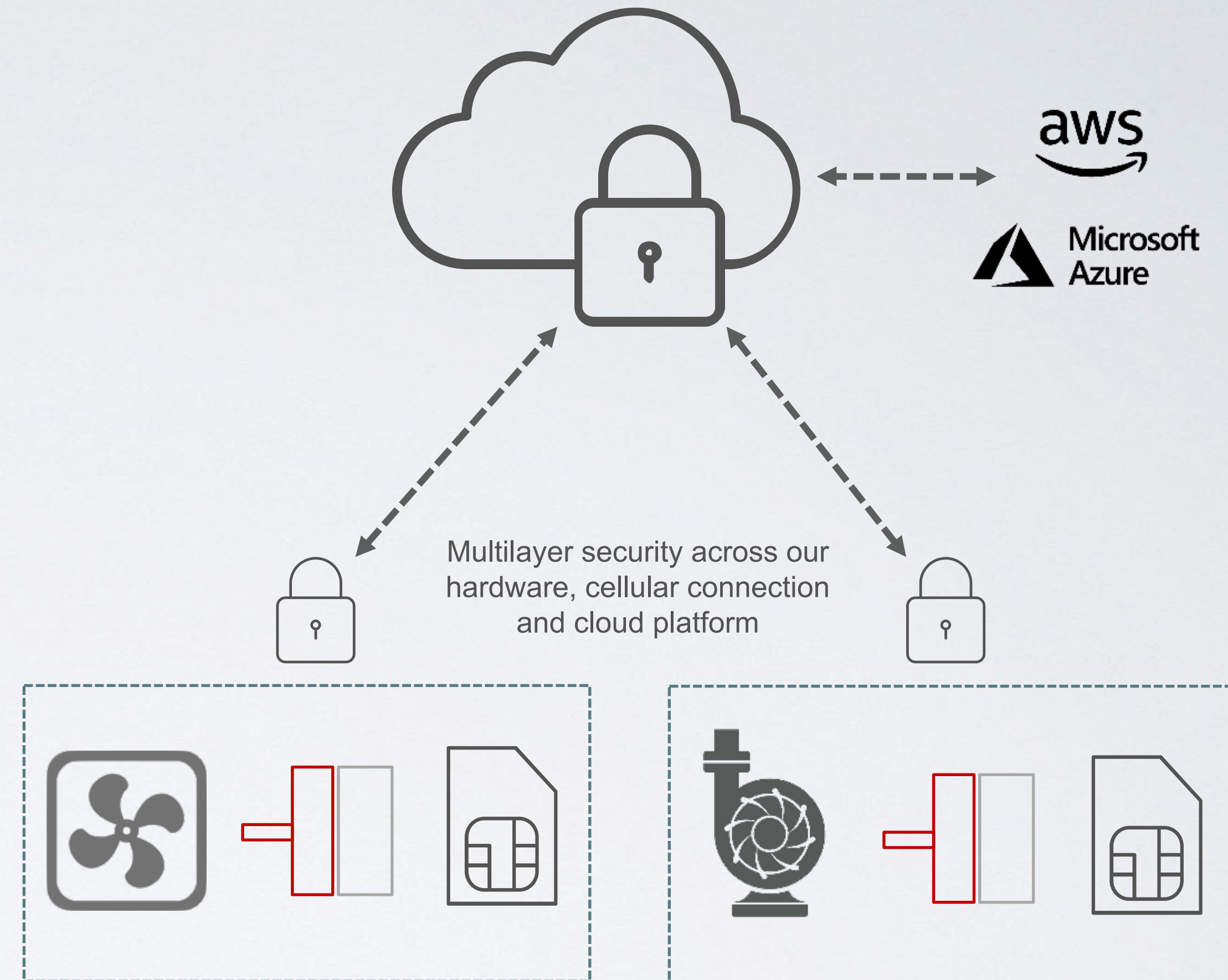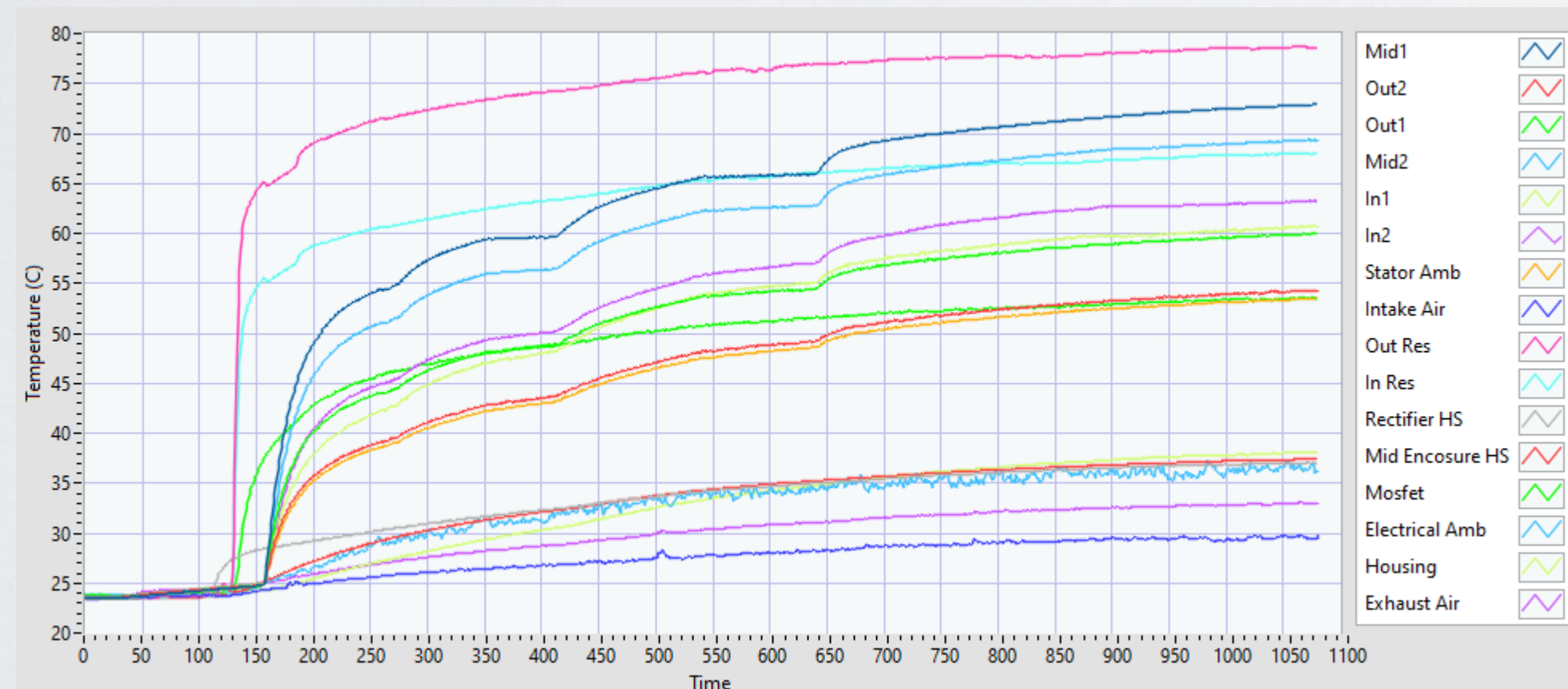durable

Reduced
sound

Motor and controls in one package

- First commercially available SiC MOSFET VFD provides maximum system efficiency

- Mix and match motor and drive components to meet a wide rage of ratings

- Control electronics and IoT devices integrated into the motor housing

ROTOR + STATOR

MAX TORQUE	SPEED
0 - 120 Nm	0 - 3600 RPM

DRIVE

INPUT VOLTAGE

200, 230, 400, 460, 575

COMPLETE MOTOR & DRIVE
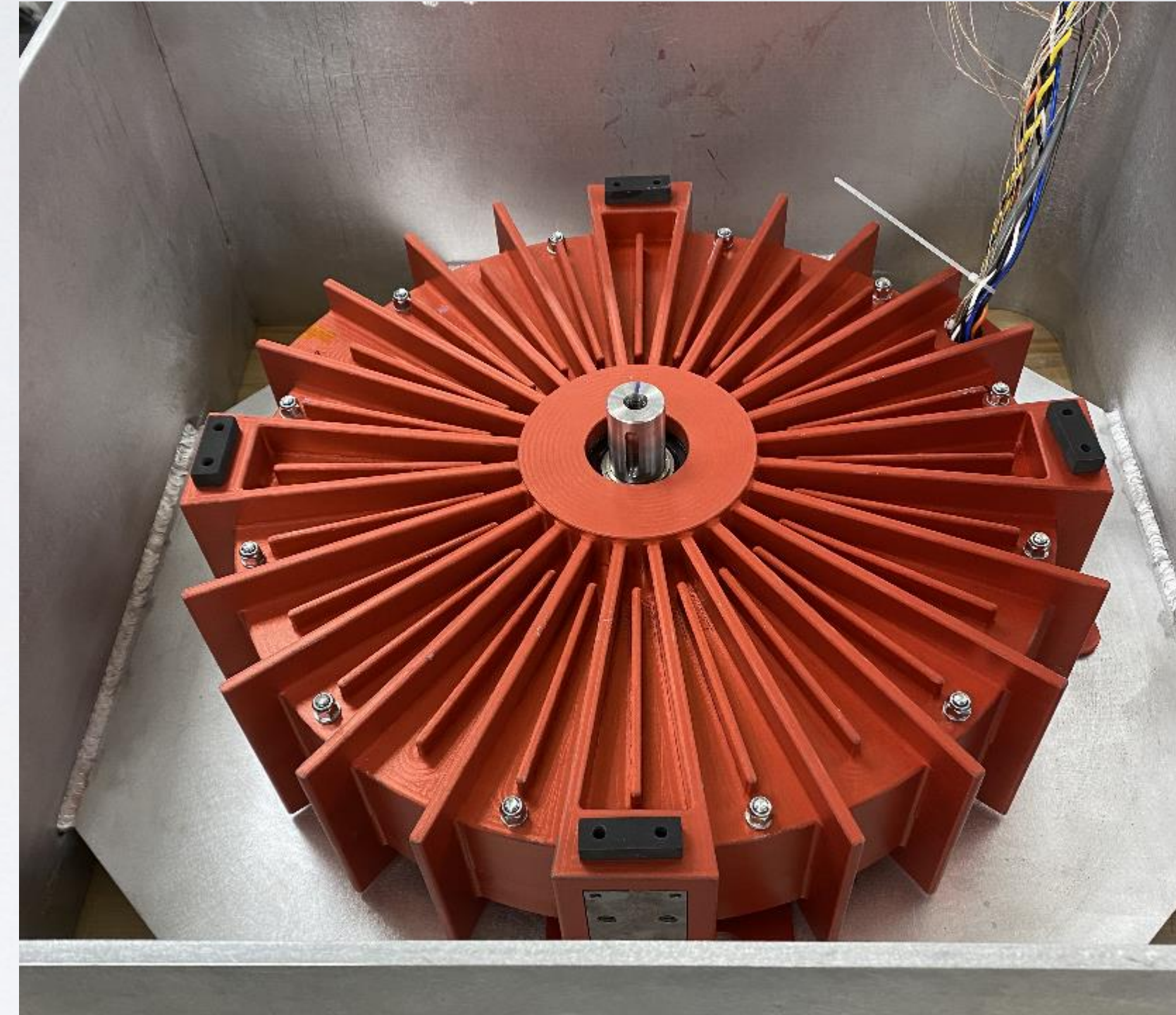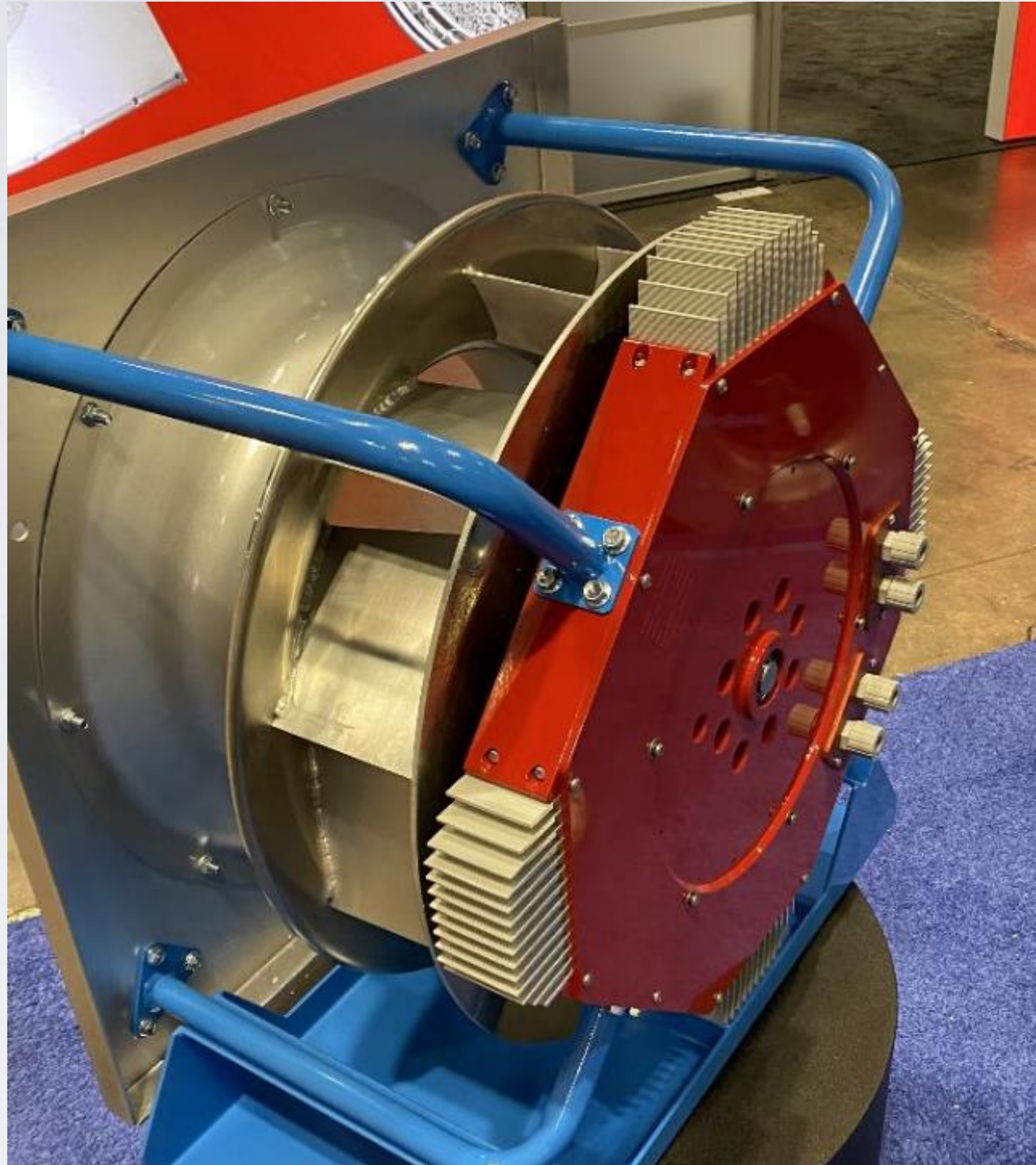
RATED POWER

0 - 30 HP

Cloud IoT platform

Monitor motor & drive parameters

- Vibration
- Stator temperature
- VFD temperature
- Speed

- Fault codes
- Power
- Torque
- Voltage

Multilayer security across our hardware, cellular connection and cloud platform
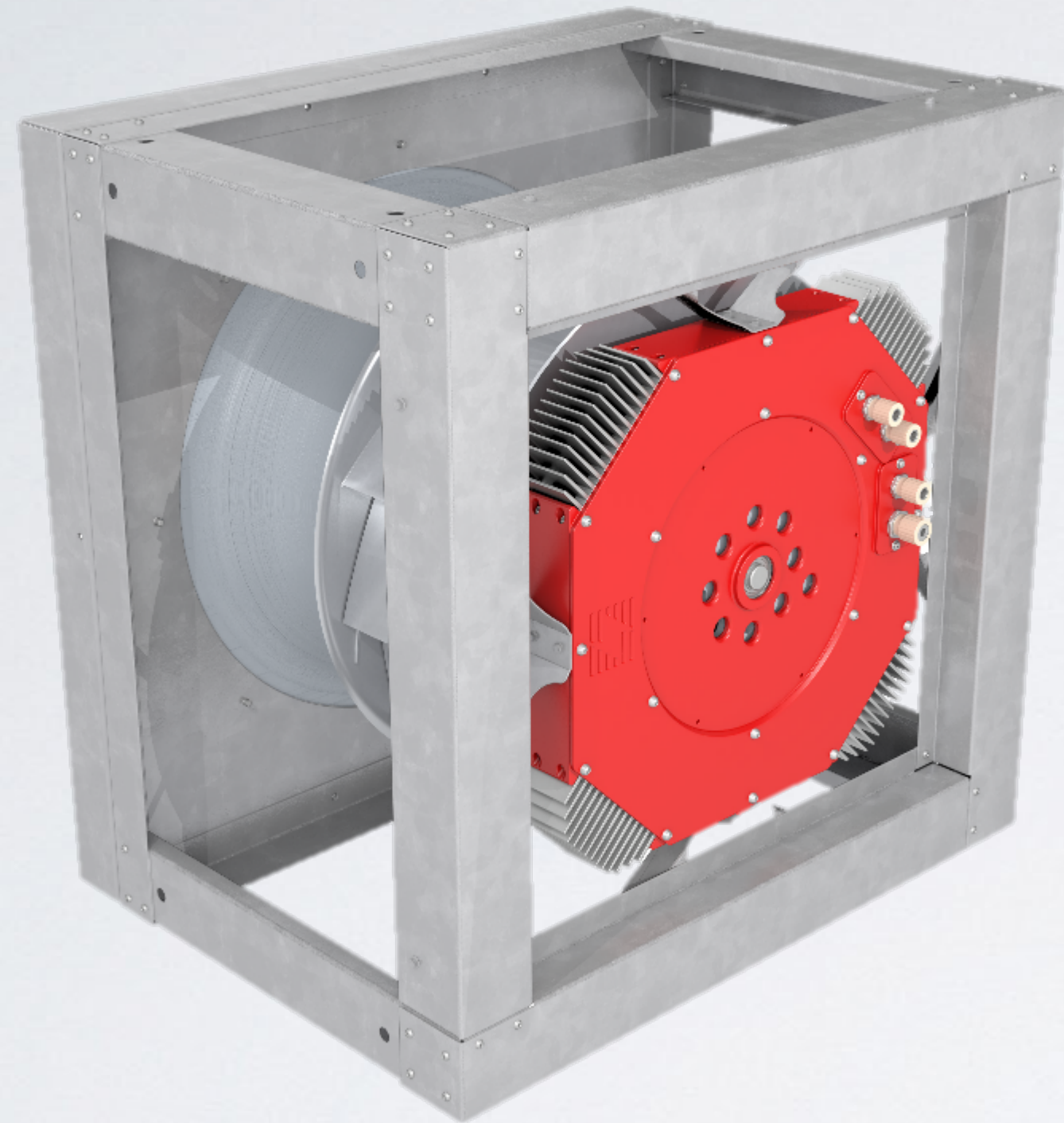
Update firmware with a simple click
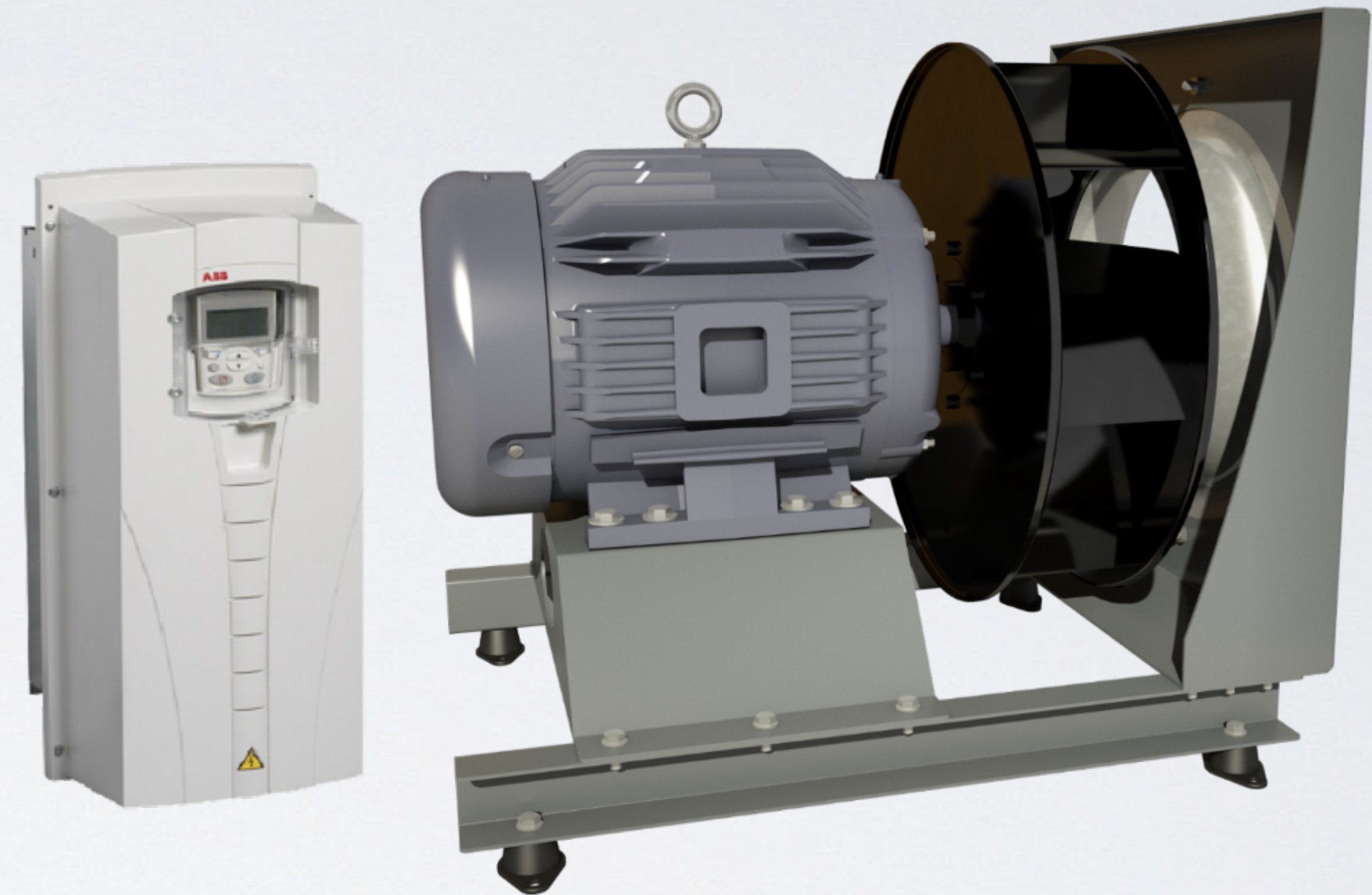
Introducing the IEx Series

ODP and TEFC frames available for fan, pump and compressor applications

13k units already sold over next three years

Shipping in 2020: EC motor for HVAC plenum fan

- 15hp example = 90% system efficiency

- Only 100lbs, simple mounting

- Plug and play control electronics

- 15hp example = 84% system efficiency

- 300lbs, requires additional bracing

- External VFD that requires configuration

Ready for something better?

- Founded 2016

- Secured $15.5M of equity/debt funding in Q4 2019 & Q1 2020

  - Investors: Cottonwood Technology Fund, Ajax Strategies, Chevron Technology Ventures, Silicon Valley Bank

- Ramping production for HVAC plenum fan market in 2020

- Expanding market reach in 2020 and beyond

  - "Strongly encouraged" for ARPA-E ASCEND program; 12kW/kg aerospace motor

  - Various fan, pump, compressor & appliance applications

Contact info@infinitumelectric.com if you're interested in learning more or if you have other applications in mind