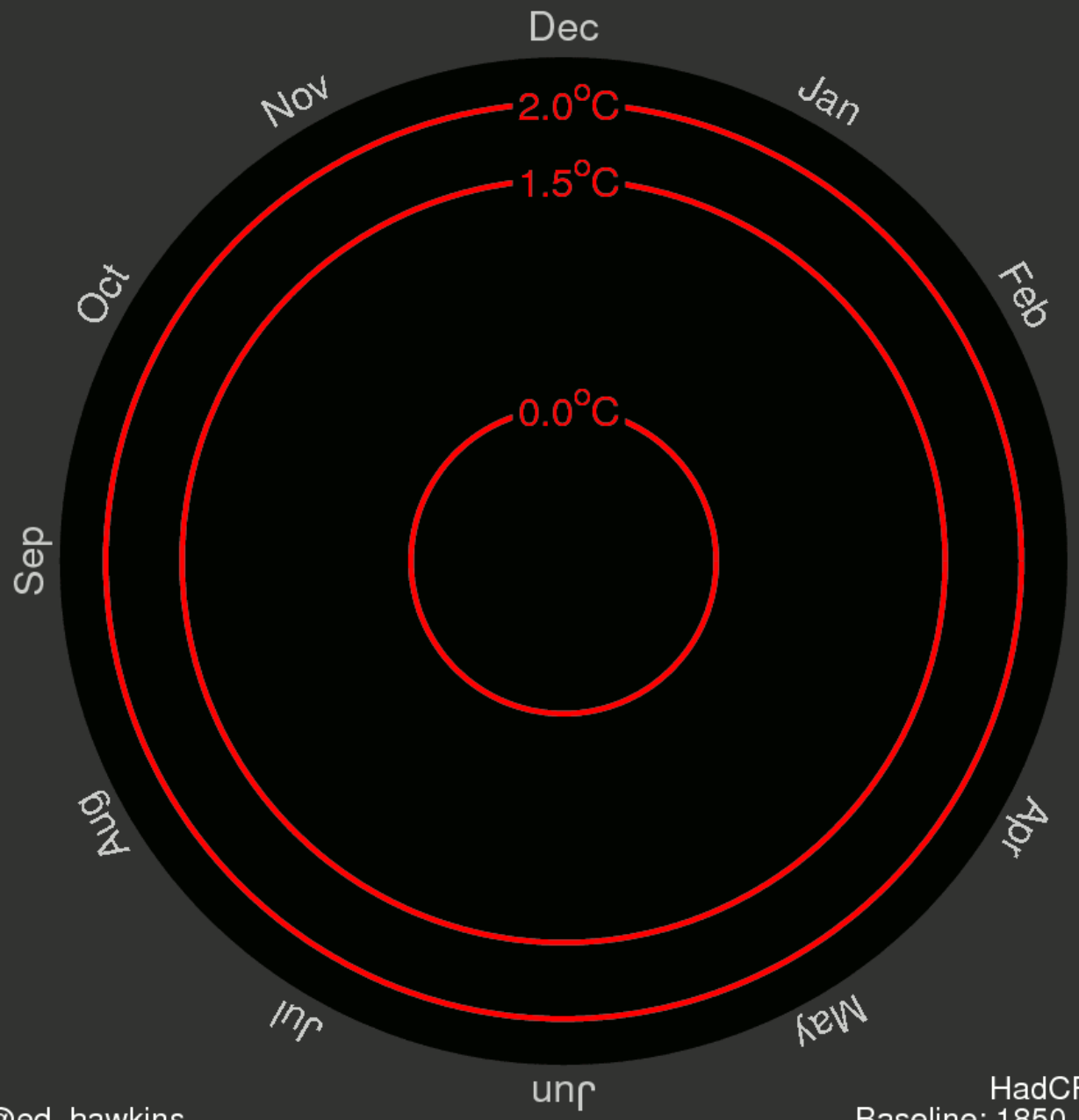
Weaver Wind Update

Art Weaver

WEAVER
WIND ENERGY
The principle of revolution.


W5

Global temperature change (1850–2016)



@ed_hawkins

HadCRUT4
Baseline: 1850–1900

WWE team

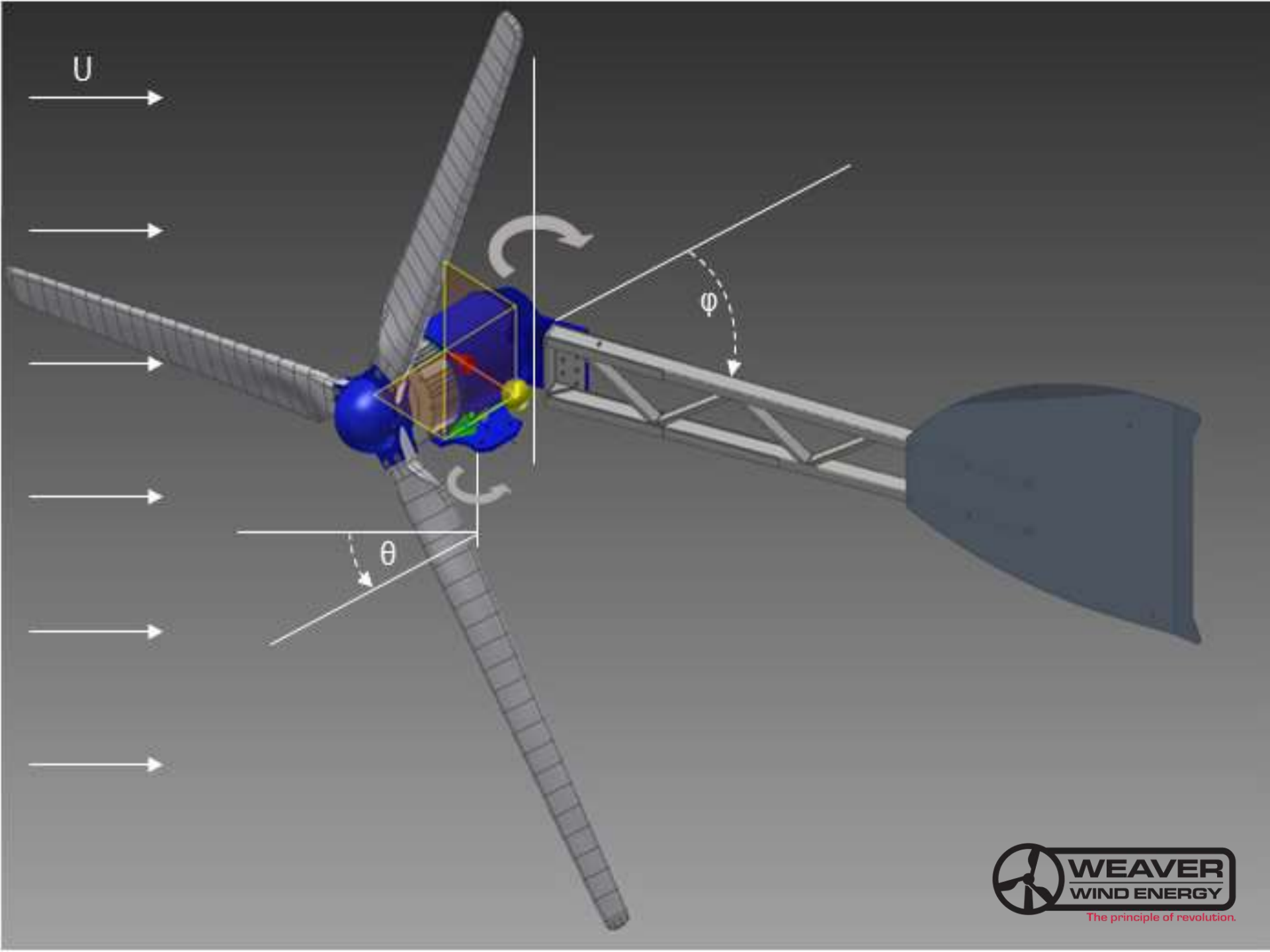
- Art Weaver – M.D., Ph.D. (bio)physicist
- Chuck Wright – Electrical Engineer, IBM veteran
- Jeb Mead – Production Manager, CNC Machinist
- Suzanne McMannis – Project Assistant
- Mike Hansel – Sales Representative
- David Zurmuhl – Mechanical Engineering intern
- Rob Schooler / Peter Zibinski – Marketing interns

Our technology

Autonomous turbine operation as well as remote control (via computer or even a smartphone) is achieved with our proprietary Active Furling algorithms informed by sensors which measure:

1. *Wind speed*
2. *Turbine voltage*
3. *Turbine current*
4. *Turbine rpm*
5. *Utility grid status (if connected to grid)*
6. *Inverter status*
7. *Battery status (if connected to batteries)*
8. *National Weather Service warnings!*

Active Furling.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WEAVER
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Active Furling.

Redundant Sensors.

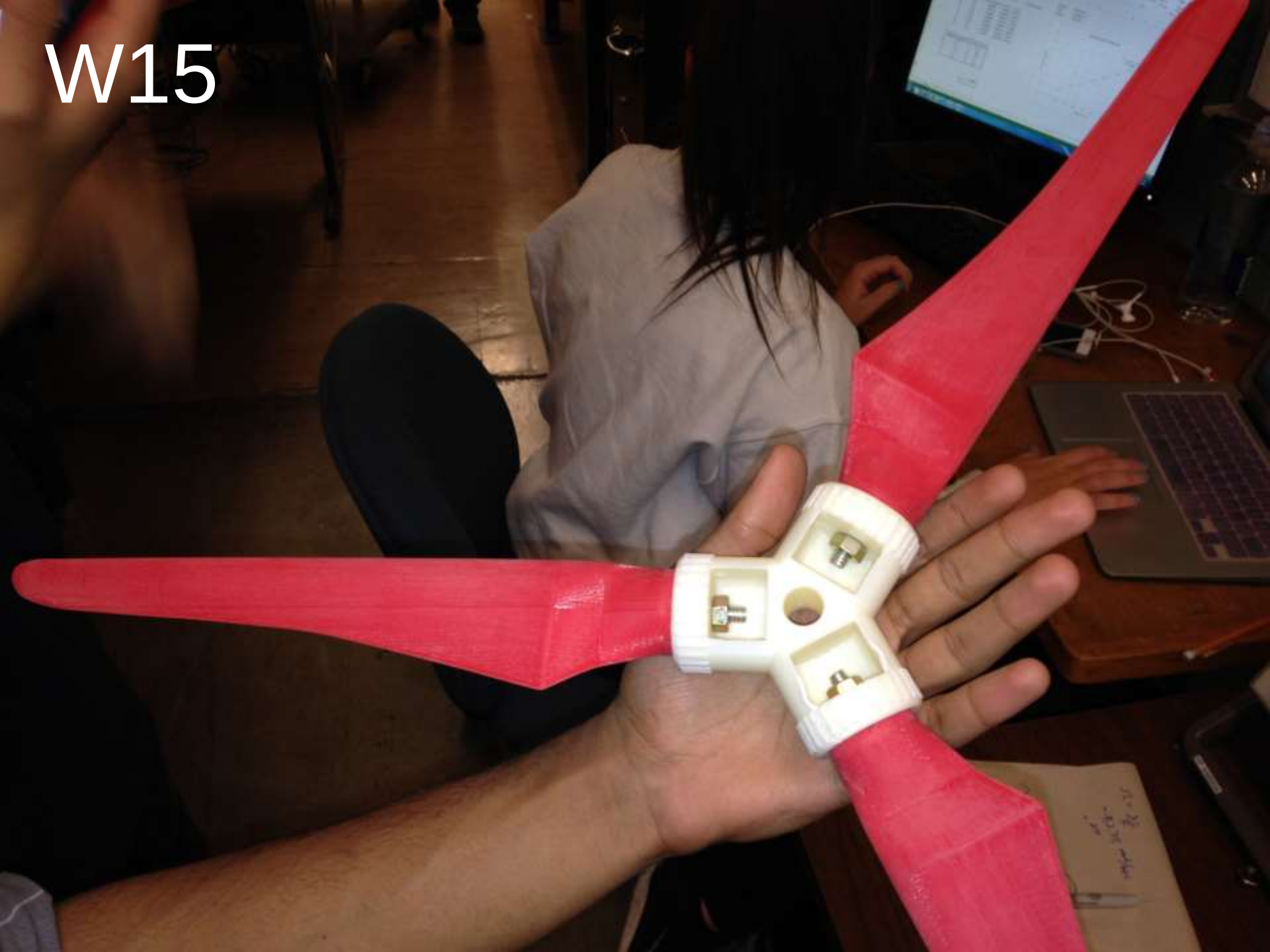
- WIND SPEED
- VOLTAGE
- FREQUENCY (RPM)
- CURRENT
- TEMPERATURE
- GRID STATUS
- INVERTER STATUS
- BATTERY STATUS
- NWS WARNINGS

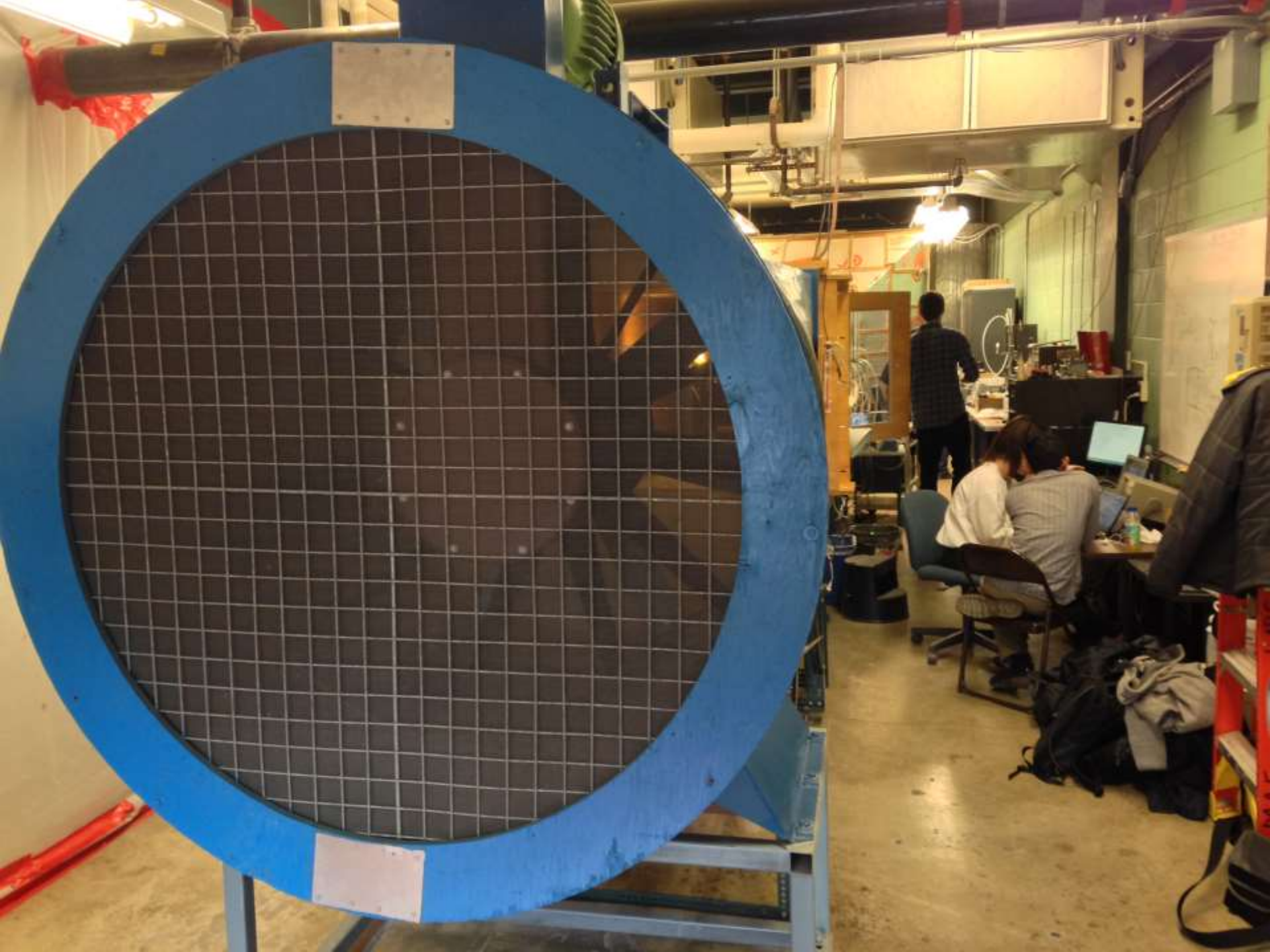
Company milestones

2003 – founded Renovus Energy (solar company)
2011 – concept for novel wind turbine born
2013 – sold Renovus Energy to pursue Weaver Wind 100%
2013 – 1st NYSERDA grant for 5 kW (market niche?)
2015 – six production units deployed + operating in NY
2016 – 2nd NYSERDA grant for 15 kW (market niche?)

Feb 2016 – commit to develop 2 kW (actual customer demand)
Apr 2016 – W5 certification testing completed (but not paid for)
May 2016 – in-house CNC machining capability


W2


W15




VF 2YT
TL 1

W5 producing 3,000 kWh per year
+ Tesla Model 3 @ 4 miles per kWh
= 12,000 miles per year

Wind-Powered Travel to SWC 2018


Stevens Point, WI
June 13-15, 2016
Small Wind
Conference 2016
a gathering of the small wind industry
www.smallwindconference.com

Thank You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