CORNELL PUMP COMPANY

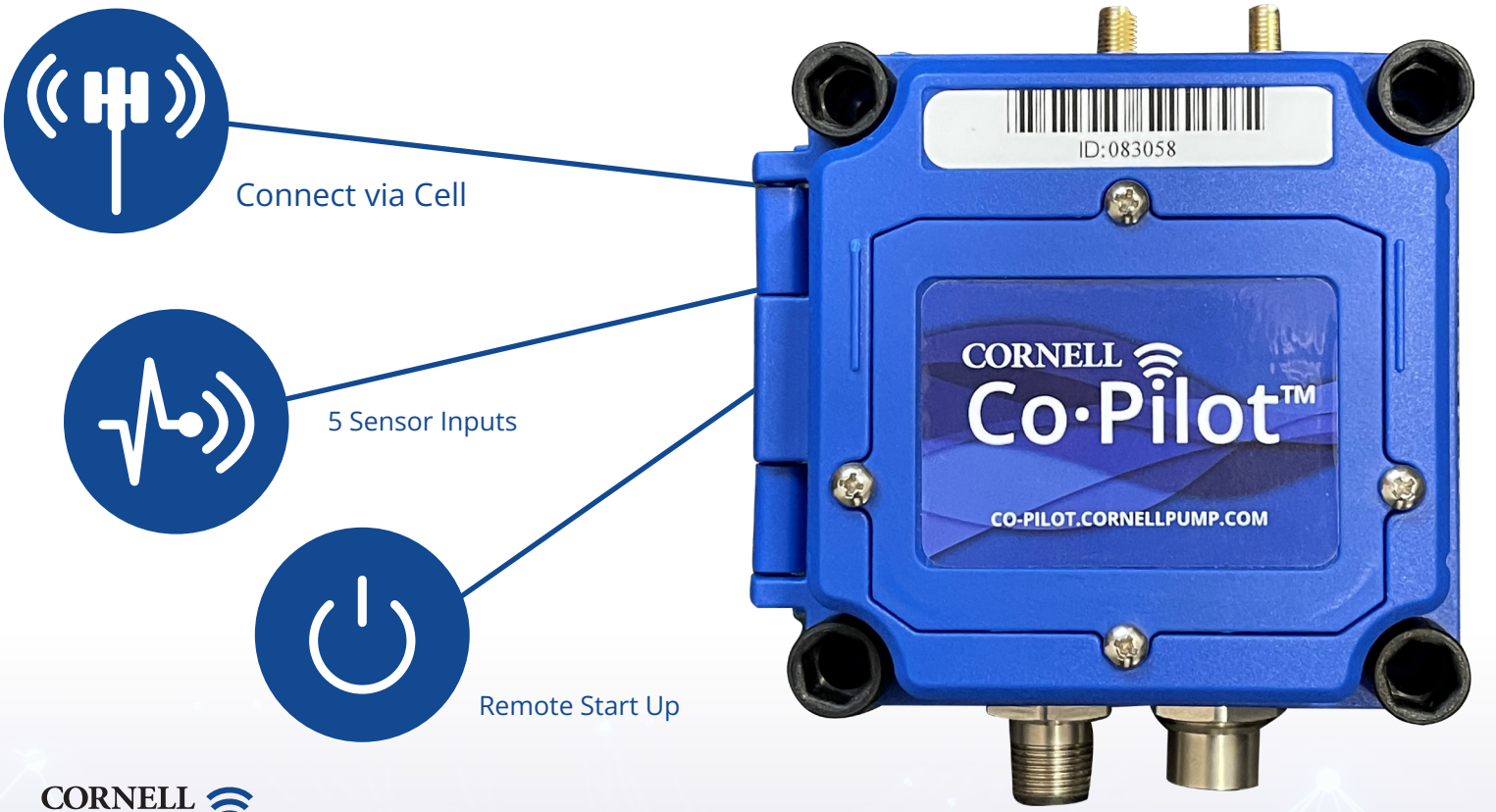
CO-PILOT™

INDUSTRIAL INTERNET OF THINGS PUMP MONITOR

CORNELL
EFFICIENT BY DESIGN

CORNELL
Co·Pilot™

CO-PILOT™ SPECIFICATIONS



CORNELL Co·Pilot™

THE POWER OF IOT

Cornell Co-Pilot is a monitoring system that connects to your pump to track temperature, vibration, and location using battery power. Co-Pilot can also be powered with a wired connection for continuous monitoring and control system integration. Co-Pilot is part of our Pumps Industrial Internet of Things (IoT) and reflects our dedication to cutting-edge design and meeting customer needs.

USE THE CO-PILOT TO:

- Plan maintenance
- Check operation
- Reduce manual inspections
- Track pump location
- Demonstrate run conditions to customers on warranty claims
- Improve run time through the maintenance program
- Monitoring at your fingertips

MONITORING AT YOUR FINGER TIPS

Easily monitor your pump's performance with desktop and mobile apps available for iOS and Android. Receive alarms for out-of-condition operations and view the last GPS location of the pump, all in one convenient platform.

CORNELL CO-PILOT ALLOWS YOU TO:

- Cloud monitor single and multiple pumps via IIOT
- With battery power, monitor temperature, vibration, and GPS location
- Through external power, additionally monitor pressure, flow, start/stop operations, and more*
- Track data over time via web-based and
- mobile apps
- Real-time pump data for maintenance, monitoring performance degradation, and critical conditions
- Receive alerts for preset running conditions
- *Requires external sensors; contact Cornell for details.

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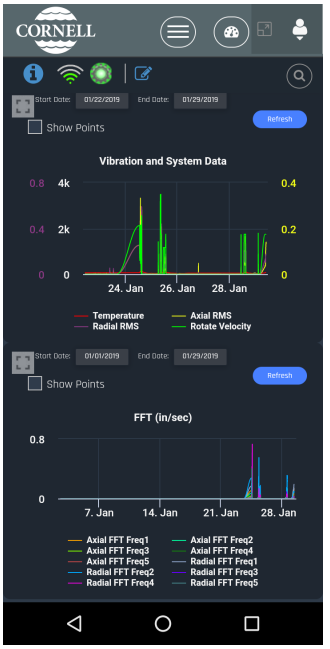
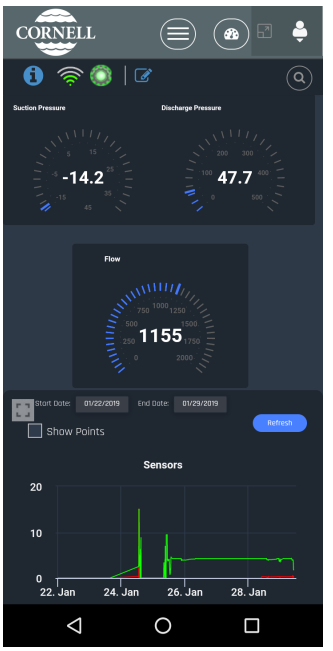
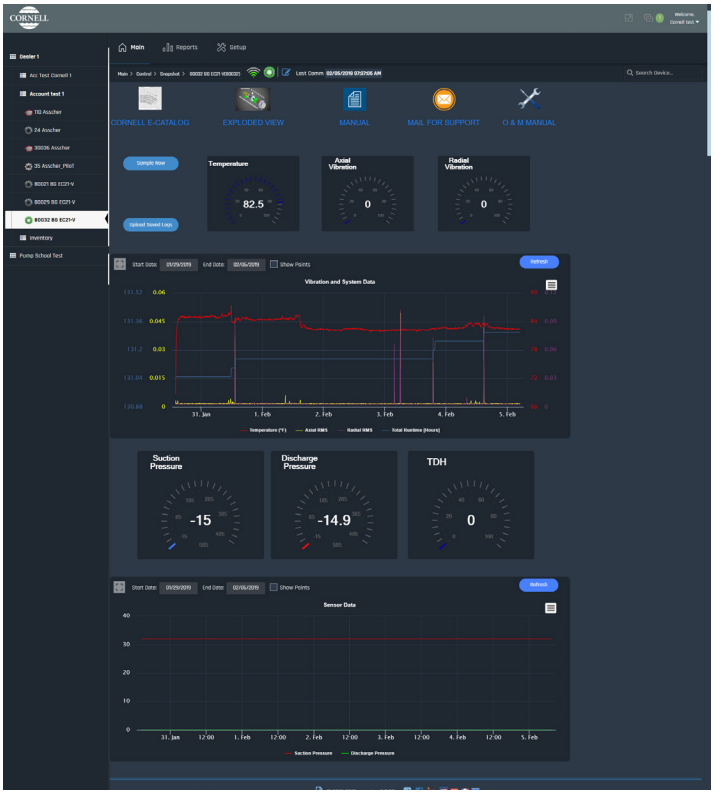
CO-PILOT™ SPECIFICATIONS





Screenshots from the mobile Co-Pilot app.



Co-Pilot desktop version screenshot.

Get started at
CO-PILOT.CORNELLPUMP.COM

TECHNICAL SPECIFICATIONS

COMMUNICATION

- 4G LTE cellular cloud connectivity
- Monitor all connected pumps from a single app
- GPS Location Information
- Usable in North America currently with planned updates for Europe, Middle East, Asia, Sub-Saharan Africa & Australia

ON –BOARD MONITORING

- 3-axis vibration monitoring [Inch/Sec]
- Temperature ±5°F / ±2.7°C
- Battery voltage [V]
- Up to 5 additional inputs to connect external sensors

NOTIFICATIONS

- Vibration threshold cross (Axial/Radial RMS)
- Vibration velocity amplitude threshold cross in any of the FFT-selected frequencies
- Operational time threshold cross
- Temperature threshold cross
- Other thresholds set for additional sensors (contact Cornell for information on connecting additional sensors)

DIMENSIONS/ OPERATIONS/STANDARDS

- 3.4” x 3.4” x 1.9” (86mm x 86mm X 48mm)
- Robust insulated enclosure
- IP65 compliant (dust tight and protected against water from a nozzle)
- FCC Part 15 and RoHS compliant
- Temperatures from -22°F/ -30°C to 158°F/70°C

POWER

- External DC power: 12-24 VDC; up to 20 samples/ hour and 8 cloud updates per day
- Back-up Battery operable. Three AAA Lithium batteries provide power when external power is not installed or is temporarily unavailable. This offers three months of service at four samples per hour and two daily cloud uploads. Batteries are replaceable.

CORNELL PUMP COMPANY

MARKET & PRODUCT LINE

CORNELL
EFFICIENT BY DESIGN

AGRICULTURE

FOOD PROCESS

INDUSTRIAL

MINING

MUNICIPAL

WATER TRANSFER

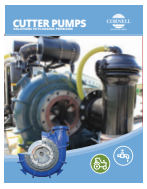
REFRIGERATION

CONSTRUCTION

SLURRY

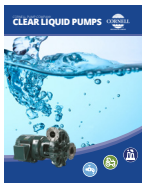
SLURRY SM

MANURE



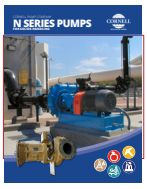
CUTTERS

SELF PRIMING

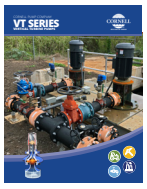


CLEAR LIQUIDS

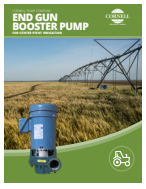
MX SERIES



N SERIES

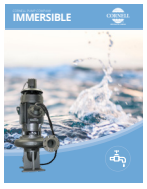


CYCLONE™



EDGE™

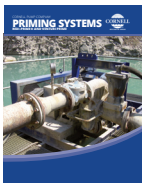
HYDRAULIC SUBS



IMMERSIBLE

CD4MCU

RUN-DRY™



PRIMING SYSTEMS

CYCLOSEAL®

Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents:

6,074,554; 6,036,434; 6,079,958; 6,309,169; 6,104,949.

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CORNELLPUMP.COM

ANAB ACCREDITED MANAGEMENT SYSTEMS CERTIFICATION BODY
Certified to ISO 9001:2015
TÜVRheinland Precisely Right.

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