

# CLEAN POWER

VARIABLE FREQUENCY DRIVE

## NOT ALL DRIVES ARE CREATED EQUAL

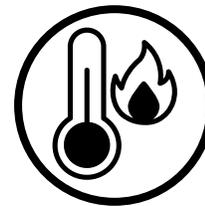
Water & Wastewater solutions with Clean Power VFD



### YOUR VFD WAS HOLDING YOU BACK



PWM and  
Voltage  
spikes



Overheating  
Pumps

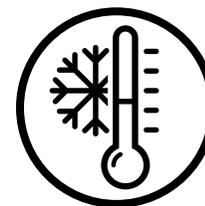


Bearing failures  
and lack of  
durability

### BUT NOT ANYMORE



Ultra-low  
Harmonics



Filterless technology  
that cools down  
your pumps



Extended  
life-span

### Reduce downtime and maintenance costs

With SmartD Clean Power VFD, you'll improve equipment performance and save energy. Say goodbye to excessive downtime and pump failures—our **Clean Power VFDs are built to keep your operations running smoothly while optimizing energy use and extending equipment life.**

[smartd.tech](https://www.smartd.tech)

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[sales@smartd.tech](mailto:sales@smartd.tech)

1-866-7-SMART-D

## Contact us now!

### Chris Richards - US West Coast and Western Canada

crichards@smartd.tech  
TEL: 602.803.3656

### Mike Sabinash - Midwest and East Coast

msabinash@smartd.tech  
TEL: 262.302.0683

### Simon Leblond - East Canada + International

sleblond@smartd.tech  
TEL: 514.586.3030



Scan the QR code and get instant access to additional SmartD information!

## Low Harmonics

**Clean Power VFD** means energy savings - regenerating power to the grid. Thanks to the Clean Power VFD output, **there are no harmonics that would normally cause additional losses in the pumps and service disruptions.**

With a total distortion of 3% and a power factor near unity, AFE-enabled SmartD Clean Power VFDs do not disturb other equipment or systems and far exceed IEEE519 recommendations.

## Clean Power Output

While an ordinary VFD generates a motor-harmful pulse width modulated (PWM) square signal, **the Clean Power VFD generates a Clean Sine Wave that helps your pumps run more efficiently.**

## Cool Down Your Pumps

SiC MOSFETs present in the Clean Power VFD provide better thermal performance compared to the IGBT transistor used in ordinary VFDs - about 9% to 12% cooler than conventional drives. **There is no derating to apply to the current capability of the VFD, nor the need for special cooling mechanisms.**

## Operational Efficiency

**Less equipment, less maintenance, more energy efficiency. Clean Power VFD helps your pumps run cooler and smoother, with its compact, space-saving design, our solution eliminates the need for bulky filters and additional components. Say goodbye to filters and VFD drawbacks with the Clean Power VFD. 3 wires in, 3 wires out to elevate your pump's performance.**

