

Press Release

Award-Winning Innovation: Altivar Process ATV680 Recognized Twice for First-in-Class, Three-Level Low Harmonic Drive Technology

- **Innovative, New Active Front End Drive Wins both the 2017 Breakthrough Products Award from Processing Magazine and the 2017 Product of the Year Award from Plant Engineering**

RALEIGH, NC – April 26, 2018 – The Altivar Process ATV680 three-level, low harmonic variable speed drive line has been awarded both the 2017 Breakthrough Products Award from *Processing Magazine* and the 2017 Product of the Year Bronze Award from *Plant Engineering*. These industry publications have recognized the benefits of this new technology in more effectively addressing the issue of harmonics. Fluctuation in electrical current caused by harmonics can lead to premature equipment failures and increased system energy losses. Reducing the harmonics in industrial systems can extend system functional life, reduce downtime and maintenance costs while significantly reducing energy costs.

The Altivar Process 680 Low Harmonic Drives are a packaged, high-performance active front end (AFE) solution that feature a three-level input switching stage, which reduces common mode voltage and improves performance and efficiency. This low harmonic drive solution includes an efficiently designed input filter which reduces common mode voltage prolonging motor lifetime. This filter also allows the drive system to provide near sinusoidal input current regardless of percent input phase unbalance.

“We are extremely proud of these honors as they reinforce our belief that this technology represents a tipping point in how to address harmonics,” said Sylvain Thomas, Director, Applied Offer Management, Industry Business, Schneider Electric. “As experts in their respective areas, both publishers identified the Altivar ATV680 as innovative technology their readers and the industry should take note of for current and future projects.”

Altivar 680 Low Harmonic Drive: A Focus on Water/Waste Water

In pumping applications, the ability to mitigate harmonics while performing efficiently at various speeds in a compact design brings flexibility to customers. In addition to the drive’s low harmonic footprint, internal application functions, such as Anti-Jam, Multi-Pump Control, and Asset Protection via Pipe Fill bring versatile, reliable solutions to the pumping industry – without the need for additional components. For more information on the Altivar ATV680 low harmonic drives, visit the product information page [here](#).

For more information on this innovative Active Front End technology from Schneider Electric, download the whitepaper, “Transformation from Six-Pulse to Low Harmonic, Three-Level, Active Rectification Technologies” [here](#).

- more -

Press Release

About Schneider Electric

Schneider Electric is the global specialist in energy management and automation. With revenues of ~€27 billion in FY2015, our 160,000+ employees serve customers in over 100 countries, helping them to manage their energy and process in ways that are safe, reliable, efficient and sustainable. From the simplest of switches to complex operational systems, our technology, software and services improve the way our customers manage and automate their operations. Our connected technologies reshape industries, transform cities and enrich lives. At Schneider Electric, we call this **Life Is On**.

www.schneider-electric.com

www.altivardrives.com

Discover Life is On

Hashtags: #altivar #AltivarMachine #altivar340 #atv340 #SmartMachine

Follow us on*:       