

## **John Houdek**

John Houdek is president and co-owner of Allied Industrial Marketing, Inc. (Cedarburg, WI, USA), a company that specializes in electrical power quality. John serves the power quality industry as an independent resource for a variety of power quality services including power quality problem diagnosis, harmonic analysis, power quality filter design, computer simulation, training and seminars as well as technical marketing support for key components used by assemblers of high performance power quality equipment.

John has over thirty five years of experience in electrical power quality. Prior to forming Allied Industrial Marketing, along with his wife, John held senior management positions for two electrical power quality equipment manufacturers. John earned an MBA from Keller Graduate School of Management in 1989 and has a bachelor's degree in electrical engineering technology from MSOE.

John is an adjunct assistant professor at MSOE (Milwaukee School of Engineering) where he teaches a course in electrical power quality. He has presented power quality seminars and training programs throughout North America, in Europe, Asia, Central America and South America and has authored many technical papers which were published or presented at technical conferences. He has performed harmonic analysis studies for over 100 large scale facilities throughout the world and on a regular basis, helps clients to identify the root causes of their power quality problems and recommends practical solutions.

John offers monthly seminars on a variety of power quality topics at their Cedarburg, WI office building plus he presents many private on-site seminars upon request.



## Technical Papers and Publications by John A. Houdek

Reactors Provide a Low Cost Solution to inverter/drive Power Quality  
Power Quality Magazine, September/October 1991.

Economical Solutions to Meet Harmonic Distortion Limits  
PCIM Conference, Nurnberg, Germany, June 1999.

Reactors Maximize Drive System Reliability  
Power Quality Magazine, February 2000.

Solving SCR Line Voltage Notching  
EC&M Magazine, September, 2000.

Simplified Harmonic Analysis for 6-pulse Rectifiers  
IEEE Milwaukee Chapter, October, 2000.

IEEE 519 Compliance Simplified  
Power Quality Conference, October 2001.

Line Reactors and VFDs  
EC&M Magazine, May 2002.

Performance of Harmonic Mitigation Alternatives  
International Power Quality Conference, Singapore, October 2002.

Economical Solutions to Meet Harmonic Distortion Limits  
Practical Solutions to Power Systems Quality Problems, Volume 4  
Electricity Forum, 2002.

Harmonic Mitigation Alternatives  
Power Quality and Grounding Handbook, Volume 5  
Electricity Forum, 2004.

Power Factor in Electrical Power Systems with non-Linear Loads (Sandoval & Houdek)  
PowerSystems World Conference, Chicago, IL, October, 2004.

The Impact of Non-Linear Loads on Distributed Generation Power Sources  
(Chavez & Houdek) PEDAC Conference: Power Electronics for Distributed and Co-Generation,  
Novi, MI, June 2005.

Protecting Submersible Motors from the Effects of PWM Voltage  
(Texiera & Houdek) 2009 Conference : Brazil Conference for Quality Electric Energy

## Technical Papers and Publications by John A. Houdek

Facility Power Quality

PFMA Connection, 2015

Best Practices for Electrical Power Quality

PFMA Connection, 2016

Harmonics – A Brief Tutorial

PFMA Connection 2017

Simple Measures that Improve Power Quality

PFMA Connection (January 2019)

## **Power Quality Seminar and/or Training Programs Presented by John Houdek**

### **Domestic:**

Alabama	Birmingham, Montgomery
Alaska	Anchorage
Arkansas	Ft. Smith
California	Los Angeles, Channel Islands, Redding
Florida	Ft. Lauderdale, Jacksonville, Orlando, Tampa
Georgia	Atlanta, Hazlehurst
Hawaii	Honolulu
Illinois	Moline, Mundelein, St. Charles
Indiana	Lafayette
Iowa	Davenport
Michigan	Battle Creek, Detroit (multiple), Holland
Minnesota	Mankato, Minneapolis (multiple)
Missouri	Springfield
New Jersey	Fairfield
New York	Albany, Auburn, Rochester, Troy
North Carolina	Charlotte, Raleigh
Ohio	Cincinnati
Oklahoma	Oklahoma City, Tulsa
Oregon	Canby, Eugene, Portland (multiple)
Pennsylvania	Pittsburgh
Tennessee	Nashville
Texas	Dallas, Houston, Wichita Falls
Virginia	Richmond, Roanoke, Salem
Utah	Salt Lake City
Washington	Seattle
Wisconsin	Appleton, Cedarburg (multiple), Fond du Lac, Green Bay, Milwaukee (multiple), Port Washington

### **Canada:**

British Columbia (multiple), Alberta (multiple), Ontario (multiple), Quebec

### **Mexico:**

Mexico City (multiple), Monterrey

### **Europe:**

England (multiple), France, Netherlands

### **Asia:**

Japan (multiple), Malaysia, Singapore (multiple), Taiwan (multiple), Thailand

### **Brazil:**

Rio de Janeiro, Sao Paulo, Belo Horizonte, Santos, Curitiba

### **Plus International Webinars:**

Australia, Japan, Korea, Singapore, Thailand, USA