



**Fundamentals of Compressed Air Systems (Level 1), Wed. October 2, 2013**  
**Advanced Management of Compressed Air Systems (Level 2), Thu-Fri, October 3-4, 2013**  
**NC State University Engineering Building 3, Centennial Campus**

These two training workshops are being offered consecutively to provide introductory and advanced training on managing industrial compressed air systems.

**Fundamentals of Compressed Air Systems**

Find out how a compressed air system works and the benefits of optimal compressed air system performance. This initial class demonstrates how to compute the current cost of your plant's compressed air systems, how to measure and create a baseline of system performance, and how to determine the impact of different compressor control types. Learn basic approaches for cutting costs; identify steps for proper system operation, maintenance, and point-of-use accountability; and tailor a compressed air system management action plan for your plant.

**Advanced Management of Compressed Air Systems**

This is an intensive two-day training that provides in-depth technical information on troubleshooting and making improvements to industrial compressed air systems. This training is designed to help end users as well as industry solution providers learn how to collect and use data and tools to assess the efficiency and cost-effectiveness of a compressed air system, develop and use a system profile, implement a system maintenance program, address air quality, highest pressure requirements and high-volume intermittent applications, understand complex control system strategies, align the supply side to demand side operation, explain the value of heat recovery, and successfully sell compressed air improvement projects to management.

**Instructors**

**Mr. Frank Moskowitz**

Mr. Frank Moskowitz has an extensive background with over 30 years experience in plant engineering. He has a degree in mechanical engineering and education, including the refrigeration, electrical, plumbing trades. For the past 20 years, Frank has been an associate of Draw Professional Services primarily in the auditing, consulting, training and system design fields. His specialty consists of Compressed Air Systems (oil flooded and oil free), Vacuum Systems, Contaminate Removal, System Design and Energy Management. Frank is a Compressed Air Challenge instructor for the Fundamentals and Advanced level of training, an AIRMaster+ instructor and a Department of Energy (energy savings) expert on compressed air systems. TC118/SC6/WG4.

**Mr. Tom Toranto**

Tom Taranto is an independent compressed air system professional with more than 30 years of experience providing services to industrial clients, utilities, and energy agencies. He is the owner of Data Power Services, LLC. He has extensive experience in design and application of fluid power systems both hydraulic and pneumatic. Tom's work involves compressed air system design, air compressor application, and performance of related compressed air system components. He conducts compressed air system assessments, equipment testing, and compressed air system training throughout the world.



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**Registration Form**

Please provide the following contact information:

Name: \_\_\_\_\_

Title: \_\_\_\_\_ Phone: \_\_\_\_\_

Company / IAC Name: \_\_\_\_\_

Address: \_\_\_\_\_

City / State / Zip: \_\_\_\_\_

E-mail: \_\_\_\_\_

Registration Deadline: **Friday, September 13, 2013**

Registration Fee:	Fundamentals (October 2)	-	\$200
	Advanced (October 3-4)	-	\$300
	Industrial Assessment Center personnel	-	FREE

Registration fees include course materials, lunch, morning and afternoon snack, and certificate.

Return form to: Dr. Stephen Terry, [sdterry@ncsu.edu](mailto:sdterry@ncsu.edu), (919) 515-7968 (facsimile)  
Call (919) 515-1878 for questions on workshops.