




GAS MACHINERY CONFERENCE: JANUARY 12-15, 2025 IN HOUSTON, TX

Sunday: January 12th, 2025 Registration 1:00 PM - 6:00 PM

Hyatt Regency Houston Downtown - Imperial Balcony 3rd Floor - Registration Desk for Badge pick up

Mobile app sponsored by Burns & McDonnell Co, Inc.

Wi-Fi Sponsored by IDC Engineering

11:00 AM-4:30 PM	Marketplace Hall- Floor 1	Exhibitor move-in
5:00 PM - 6:30 PM	Exhibit Hall Reception - Marketplace Hall - Floor 1	 Hyatt Regency Houston - Downtown - 1200 Louisiana Street

Monday: January 13th, 2025

6:30 AM Breakfast with Exhibitors - Location: Marketplace Hall

8 AM - 11 AM Short Courses & Mini-Short Courses

Time / Room Location	Company	Author/s	Paper Title	Track
8-11am / Regency 2nd Floor	SwRI, Solar Turbines, John Crane	Mr. Mark Anguiano, Mr. Aaron Rimpel, & Dr. Rainer Kurz	Dry Gas Seals (DGS), Support Systems, and GMRC DGS Reliability Testing	Centrifugal Compressors
8-11am / Window Box 2nd Floor	Wood - Vibration, Dynamics and Noise	Mr. Garth Sanders & Mr. Nick Cullingham	Introduction to Pulsation and Vibration in Reciprocating Compressors	Reciprocating Compressors
8-11am / Arboretum 1-3 2nd Floor	TC Energy, Phillips 66, Occidental, NFG, Enbridge, Energy Transfer, SwRI	Mr. Marcos Sandoval, Mr. Jeff Morris, Mr. Kenneth L'Anglois, Mr. Obi Oradiwe, Mr. Kyle Butler, Mr. Hemanth Satish	Winterization: Operator Panel Session	Other
8-11am / Arboretum 4-5 2nd Floor	Ariel Corporation	Mr. Patrick D. Campbell	Basic Thermodynamics of Reciprocating Compression	Reciprocating Compressors
Mini SC 8-9:30am / Imperial Ballroom 3rd Floor	SwRI	Mr. Justin R. Hollingsworth & Mr. Chris D. Kulhanek	An Introduction to Torsional Rotordynamics	Other

11:00 AM - 1:00 PM

Conference Kick-off Keynote and Luncheon - Keynote Speaker - Adam Markel

Imperial Ballroom - 3rd Floor

Sponsored by Sloan Lubrication Systems - Diamond Sponsor



1:15 PM - 2:15 PM Technical Papers

1:15-2:15pm / Regency 2nd Floor	ChampionX & Windrock	Ms. Mary Chapman & Ms. Ashley Byers	Introduction to time waveform and spectrum analysis: How this tool can be incorporated into an existing reciprocating monitoring program to provide additional insight	Data Analytics
1:15-2:15pm / Window Box 2nd Floor	Wood	Mr. Garth Sanders & Mr. Devin Lavoie	High Risk areas not covered by traditional API 618 studies. Scrubber Bridles, Fuel Gas Systems, Small Bores, and Scrubber Drain Systems.	Reciprocating Compressors
1:15-2:15pm / Arboretum 1-3; 2nd Floor	TBD			
1:15-2:15pm / Arboretum 4-5; 2nd Floor	SwRI	Mr. Francisco Fierro, Mr. Benjamin White & Mr. Dylan Kraus	A Vibration Case Study on a 1950's Compressor Foundation	Vibration/Pulsation
1:15- 2:15pm / Imperial Ballroom 3rd Floor	TBD			

2:15 PM - 2:30 PM Networking Break (2nd Floor)


2:30 PM - 3:30 PM Technical Papers

2:30-3:30pm / Regency 2nd Floor	TC Energy & Turbine Logic	Mr. Hemanth Satish, Mr. Chris Perullo, Dr. Scott Sheppard, & Mr. Corson Teasley	Optimizing Maintenance Intervals on Pipeline Gas Turbine Machinery	Gas Turbines
2:30-3:30pm / Window Box 2nd Floor	SwRI	Mr. Brandon Lee Ridens	GMRC Project: Elemental Sulfur Management Guidance for Natural Gas Systems	Other
2:30-3:30pm / Arboretum 1-3 ; 2nd Floor	ABB	Dr. Timo Pekka Holopainen, Mr. Jukka Jarvinen, & Mr. Tommi Ryyppo	Electromagnetic effects in torsional analysis and design of electric motor driven reciprocating compressors	Vibration/Pulsation
2:30-3:30pm / Arboretum 4-5 ; 2nd Floor	Wood	Mr. Devin Lavoie	A case study of alternative methods of reducing engine and pedestal vibration	Reciprocating Engines
2:30- 3:30pm / Imperial Ballroom 3rd Floor	RPower	Mr. Ryan Rudnitzki & Mr. Tony Mente	Waiting on Wires - How the electrification of our industry is affecting projects and what options exist to meet desired timelines	Emissions

3:30 PM - 3:45 PM Refreshment Break (2nd Floor)

3:45 PM - 4:45 PM Technical Papers

3:45-4:45pm / Regency 2nd Floor	Wood - Vibration, Dynamics and Noise	Mr. Wally Bratek	Rotor Vibration Anomalies in Natural Gas Machinery	Centrifugal Compressors
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3:45-4:45pm / Window Box 2nd Floor	Colorado State University	Ms. Titilope Banji, Mr. Greg Vieira, Dr. Mark Patterson, & Dr. Daniel Olsen	Methane Emission Reduction Strategies for Two-Stroke Large Bore Natural Gas Engines	Reciprocating Engines
3:45-4:45pm / Arboretum 1-3 ; 2nd Floor	Process Innovations, SoCal Gas, ACI Services inc.	Mr. Caleb Sargent, Mr. Nawar Fattah, & Mr. Dwayne Allen Hickman	Data Dashboards: Designing for Performance Monitoring and Effective Decision-Making	Data Analytics
3:45-4:45pm / Arboretum 4-5 ; 2nd Floor	SwRI, Kinder Morgan, ACI Services & SoCalGas	Mr. Eugene 'Buddy' Broerman III, Mrs. Christine Scrivner, & Mr. W. Norm Shade	A GMRC Technology: The Virtual Orifice (VO) - Field Testing Results for an Improved Low-Loss Pulsation Control Device	Research
3:45- 4:45pm / Imperial Ballroom 3rd Floor	Wood	Mr. Kelly Eberle & Nick Cullingham	Another case of gas charged dampeners not controlling pump system pulsations	Vibration/Pulsation
5:00 PM - 6:30 PM	Marketplace Exhibit Hall - Floor 1	 Exhibit Hall reception		

Tuesday: January 14th, 2025

6:30 AM - 8:00 AM	Breakfast & Hoerbiger Bread Bar & Brew	 Marketplace Exhibit Hall - Floor 1		
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8 AM - 11 AM Short Courses and Mini-Short Courses

Time / Room Location	Company	Author/s	Paper Title	Track
8-11am / Regency 2nd Floor	TBD			
8-11am / Window Box 2nd Floor	SwRI	Mr. Benjamin White, Mr. Eugene "Buddy" Broerman III, & Ms. Sarah Simons	Advanced Topics in Acoustics and Vibrations	Vibration/Pulsation
Mini SC 8-9:30am / Arboretum 1-3 ; 2nd Floor	step2compliance & Sequitur Energy Resources	Mr. Brian Kromer & Mr. Russ Perry	Case Study: Compliance with the NSPS OOOOs and a Goal of Achieving a Zero Waste Emission Charge	Emissions
Mini SC 8-9:30am / Arboretum 4-5 ; 2nd Floor	Wood	Mr. Jaehee Chae	Various approaches and design practices for the supporting structures and foundations of reciprocating machinery	Reciprocating Compressors
Mini SC 9:30-11am / Arboretum 1-3 ; 2nd Floor	Siemens Energy & TC Energy	Mr. Steven Hawley & Mr. Seth Johnson	Maintaining NOx compliance on Integral Gas Engine Compressors in the Good Neighbor (GNR) world!	Reciprocating Compressors

Mini SC 9:30-11:00am / Arboretum 4-5 ; 2nd Floor	Bill Spitzer and Associates	Mr. Scott Lawrence Bullentini	How to achieve beneficial outcomes when utilizing epoxy grout pumping for installation of skid mounted compressors for new installation projects, in lieu of traditional placement methods	Other
11:00 AM - Table Top <i>Exhibit Hall</i> Open - Marketplace Exhibit Hall				
12:00 PM - 1:00 PM Lunch with Exhibitors Sponsored by Compressor Engineering Corp. Marketplace Exhibit Hall				
1:00 PM - 2:30 PM Tech Updates (9 Technology Updates - 72 Minutes) Sponsored by Burckhardt Compression Imperial Ballroom - 3rd Floor				
8 min	Champion X Windrock	Mr. Chris Heisler	Windrock inspires the future of equipment reliability to protect the heartbeat of our client operations	Data Analytics
8 min	Wood	Ms. Starr Dalton	Clamp wars II: A new hope for vibration control and piping flexibility	Vibration/Pulsation
8 min	Reich USA Corporation	Mr. Mauricio Alvarez & Mr. Saurin Patel	Product Innovations in Power Transmission Couplings for the Gas Compression Market	Vibration/Pulsation
8 min	Monico	Mr. Doyle Taylor	mCore SDR Enhancements	Other
8 min	Elliott Turbo	Mr. Stephen Todd Omatick	Elliott Technology CO2 Compressor and Pump Technology	Centrifugal Compressors
8 min	Cook Compression	Mr. Vitali Kvachnev	Packing Case Advancements	Reciprocating Compressors
8 min	Altronic LLC	Mr. David Bell	New Technology Presentation	Reciprocating Engines
8 min	MAN Energy Solutions USA Inc.	Mr. Domingo Fernandez & Mr. Andrei Popescu	Hermetically sealed compressors set new standards	Centrifugal Compressors
8 min	Solar Turbines	Mr. Avneet Singh	Solar Turbines Tech Update	Gas Turbines
8 min	EMIT Technologies Inc.	Mr. Thomas Peterson	EMIT Technologies Tech Update	Other
2:15 PM Cup of Joe break sponsored by ACI Services Inc. 2nd Floor				
2:30 PM - 3:30 PM Technical Papers				
2:30-3:30pm / Regency 2nd Floor	Coupling Corporation of America	Mr. Jim Anderson III & Mr. Tony DeMatteo	Failed Centrifugal Compressor Couplings Lead to Lengthy Analysis Including Motion Amplification	Centrifugal Compressors

2:30-3:30pm / Window Box 2nd Floor	Energy Transfer & Engineering Dynamics Inc.	Mr. Vaughn Cooper, Mr. Troy Feese, & Mr. Charles Hill	Vibration Issues with Engine Driven Reciprocating Compressor Systems	Vibration/Pulsation
2:30-3:30pm / Arboretum 1-3 ; 2nd Floor	TC Energy & Sloan Lubrication	Mr. Seth Johnson & Mr. Matt McCarthy	Data analysis of gas quality improvements and operational/maintenance results from 3-1/2 years of a successful 90% reduction in compressor cylinder lubrication rates	Auxilliary Systems
2:30-3:30pm / Arboretum 4-5 ; 2nd Floor	ACI Services, Inc, ENTrust, Altronic	Mr. Dwayne Allen Hickman, Mr. Ryan Fitzgerald, & Mr. David Lepley	Control and Protection of Reciprocating Compressors: The Past, The Present, and The Future	Reciprocating Compressors
2:30-3:30pm / Imperial Ballroom 3rd Floor	TBD			
3:30 PM- 3:45 PM Break (2nd Floor)				
3:45 PM- 4:45 PM Technical Papers				
3:45-4:45pm / Regency 2nd Floor	Shell	Mr. Chris Knapp	Considerations for the use of semisynthetic gas compressor oils	Compressors
3:45-4:45pm / Window Box 2nd Floor	Continental Controls Corporation	Mr. David Gordon Fisher	Mitigating Methane Slip in Industrial Natural Gas Engines: Causes and Solutions	Emissions
3:45-4:45pm / Arboretum 1-3 ; 2nd Floor	ACI Services	Mr. Norm Shade	An Overview of the forthcoming API-11P 3rd Edition	Reciprocating Compressors
3:45-4:45pm / Arboretum 4-5 ; 2nd Floor	Atlas Copco	Mr. Brian Bertelsen	How to Economically Justify Improvement Projects and Programs	Career Enhancement
3:45-4:45pm / Imperial Ballroom 3rd Floor	Step2Compliance	Mr. Brian Kromer	The Forgotten Child of Methane Intensity: Recordkeeping & Reporting	Emissions
5:00 PM- 6:30 PM	Industry Ignition Reception - Sponsored by Atlas Copco & Compression Dynamics Consulting, LLC Marketplace			
Wednesday: January 15th, 2025				
6:30 AM - 8:00 AM Breakfast with Exhibitors - Marketplace Hall				
8:00 AM - 9:00 AM Technical Papers				
Time / Room Location	Company	Author/s	Paper Title	Track
8-9 am / Regency 2nd Floor	Wood	Mr. Jaehee Chae, Mr. Richard Tchorzewski, Mr. Kelly Eberle, & Mr. Pavel Mayzus	Case Study: Design and Analysis of a High- Pressure Compressor with Unique Requirements	Reciprocating Compressors

8-9 am / Window Box 2nd Floor	Altronic LLC & Prometheus Applied Technologies	Mr. Keith Brooks, Ms. Emmanuella Sotiropoulou, & Mr. Matthias Huschenbett	ADAPTH2 Combustion Solution: Enabling the Next Level of Performance in Hydrogen & Methane Engines	Reciprocating Engines
8-9 am / Arboretum 1-3 ; 2nd Floor	Enbridge	Ms. Jnana Bairy, Mr. Ovais Rehman Shah, & Ms. June Zhang	Optimizing The Pipeline: AI-powered Decarbonization Strategies for the Natural Gas Transmission and Storage Systems in the US	Data Analytics
8-9 am / Arboretum 4-5 ; 2nd Floor	Hoerbiger	Mr. Benjamin Kluding	Static Sealing Rod Packing: Solving half of the Recip Packing Emissions Problem	Emissions
8-9:30 am / Imperial Ballroom ; 3rd Floor	Wood	Mr. Juan Torres	Shake Rattle & Grow - Pipe support classification for vibratory and thermal growth applications	Vibration/Pulsation
9:15 AM - 10:15 AM Technical Papers				
9:15-10:15am / Regency 2nd Floor	Burns & McDonnell	Mr. Ameerudeen Najumudeen	Emissions Reduction through Hydrogen Blending in Fuel Gas	Research
9:15-10:15pm / Window Box 2nd Floor	Ariel Corporation & Hoerbiger	Mr. Joe Hagan & Mr. Randy Dal Molin	Net CO2e Reduction by Improved Horsepower Utilization	Reciprocating Compressors
9:15-10:15am / Arboretum 1-3 ; 2nd Floor	Cooper Machinery Services	Mr. Mark Patterson	Technology Road Map for Meeting Good Neighbor Emissions Standards	Emissions
9:15-10:15am / Arboretum 4-5 ; 2nd Floor	Wood PLC, Canlin Energy Corporation	Mr. Bryan Long, Mr. Mehdi Arjmand, & Mr. Kelly Eberle	Insights from long term monitoring of actual versus theoretical compressor capacity	Reciprocating Compressors
8-9:30 am (Cont.) / Imperial Ballroom 3rd Floor	Wood	Mr. Juan Torres	Shake Rattle & Grow - Pipe support classification for vibratory and thermal growth applications	Vibration/Pulsation
10:15 AM Cup of Joe break sponsored by ACI services, Inc. (2nd Floor)				
10:30 AM - 12:00 PM Tech Updates (10 Technology Updates - 80 Minutes) Sponsored by Burckhardt Compression Imperial Ballroom 3rd Floor				
8 min	Shell Oil Products	Mr. Chris Knapp	Gas Compressor Oil Solutions	Compressors
8 min	ACI Services Inc.	Mr. Norm Shade & Mr. Matt Janssen	Converting GMV engine-compressors to gas turbine waste heat generated steam	Reciprocating Engines
8 min	Ariel Corporation	Mr. Jacob Shackelford	Ariel Non-lube, High Pressure Hydrogen Compressor Update	Reciprocating Compressors
8 min	Onboard Dynamics LLC	Mr. Doug Patton	The Critical Role of Accurate Reporting in Mitigating Methane Emissions	Emissions
8 min	INNIO Waukesha. Detection Technologies	Mr. Nick Klosinski & Mr. Darnell Franco	Smart Control: SkidIQ and the Advancement of the VHP Series Five	Reciprocating Engines

8 min	Idemitsu Lubricants America Corporation	Mr. Thomas Khondaker	Idemitsu lubricants for reciprocating compressor for natural gas pipeline application	Auxiliary Systems
8 min	Baker Hughes	Mr. Juan Gordillo	Electric compression in Gas Transmission: the adoption of integrated solutions	Centrifugal Compressors
8 min	Caterpillar Oil & Gas	Mr. Hassan Khalid	Reciprocating Gas Engine-Driven Compressor System Optimization	Emissions
8 min	Chart Industries	Mr. David Schroeder	Release of the new CPI Proflo PF2 programmable lubrication monitoring and shutdown device for reciprocating compressors	Reciprocating Compressors
8 min	Cooper Machinery Services	Mr. Hans Mathews	New emissions technology offering from Cooper Machinery Services	Reciprocating Engines
12:00 PM - 1:00 PM - Lunch Exhibit Hall				
Exhibitor Move-out 1:00 PM to 6:00 PM				
1:15 pm - 4:15 pm Short Courses				
1:15-4:15pm / Arboretum 4-5 ; 2nd Floor	IES	Mr. Jim McCarthy	Air Regulatory Update	Emissions
1:15-4:15pm / Regency 2nd Floor	SwRI, SoCalGas, NFG, Enbridge	Mr. Terry Kreuz, Mr. Andy Lee, Ms. Sarah Simons, Mr. Dylan Kraus, Mr. Amado Galaviz, & Mr. Benjamin White	Part 1: Operator Panelists Discussing Hydrogen Blending Part 2: Full Scale Natural Gas Compressor Loop Testing with Blended Hydrogen--A GMRC/DOE Project	Reciprocating Compressors
Mini SC 1:15-2:45pm / Arboretum 1-3 ; 2nd Floor	Siemens Energy, Marathon Petroleum	Mr. Scott Stampka & Mr. Matt Stegmiller	A Pragmatic Approach to Solving Piping Vibration Issues	Vibration/Pulsation
Mini SC 2:45-4:15pm / Arboretum 1-3 ; 2nd Floor	Wood, Kinder Morgan, SWRI, EDI	Mr. Wally Bratek, Ms. Christine Scrivner, Mr. Eugene Buddy Broerman, Mr. Benjamin White, & Mr. Charles Hill	New Release: API 688 Pulsation and Vibration Control for Positive Displacement Machinery, 2nd Edition	Vibration/Pulsation
Conference End - Exhibitor Move-out 6:00 PM				