

# Join the Methane Solution Roundup September 26, 2018

Colorado State University's CANGET invites you to the first round-up of methane leak detection solutions. All solutions will be pre-tested using a common protocol and realistic conditions. First, test your solution at CSU's METEC test site for 1 or 2 weeks during July-September 2018. Receive confidential feedback on your performance that you can utilize for sales and marketing. Then join the roundup on September 26 immediately following the premier conference on methane issues – the 5<sup>th</sup> [Annual CH4 Connections](#), to present your solution to multiple operators in one combined forum.



## A \$5,000 fee covers:

- Participation in 1- or 2-week standardized test window
- Confidential report of results and site conditions / data during testing

Admission to the Methane Solution Roundup (45-minutes in a semi-private presentation room for vendors; access to the vendors you want to hear from for industry operators) and post Roundup networking event is \$200 per person.

Contact: [metec@colostate.edu](mailto:metec@colostate.edu) or Daniel Zimmerle (970-581-9945) or Kristine Bennett (970-213-5965)



ENERGY INSTITUTE  
COLORADO STATE UNIVERSITY

## CANGET

Center for Advancing Natural Gas  
Emissions Technology

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### Calendar of Events (associated costs indicated in the fine print below):

- 24 September: pre- CH4 Connections meeting [Workshop](#) hosted by GTI
- 25 – 26 September: [CH4 Connections 2018](#)
- 25 – 26 September: Host an Exhibition table at the CH4 Connections Conference – or become a [Sponsor](#)
- 26 September: Methane Solutions Roundup hosted by CSU

**Why test & present?** You know who's interested, but you also know how difficult it is to get your message to them. The Roundup brings multiple operators who are interested in deploying solutions together with solution developers. It also provides a cost-efficient method to test your solution at METEC, using the protocols developed for the ARPA-E MONITOR program.

**Why participate & listen?** Operators in the oil and gas industry are always looking for better methane detection and quantification solutions, but don't have time or resources to test all the up and coming solutions available. The Roundup brings tested vendors together to inform operators how they can fill operator-specific needs. It allows time for more in depth understanding of the technologies and presentation of results from standardized testing.

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*The fine print:*

Testing will be performed using the five emulated well pads at the METEC in Fort Collins, CO (<https://energy.colostate.edu/metec>). Two single blind test modes will be supported:

- *Long-term facility monitoring:* This mode simulates conditions for a ‘permanently installed’ solution. Sensors are installed on a METEC well pad and experience a range of emission scenarios in current weather conditions. Testing lasts 2 weeks, uses a single pad at METEC, and multiple emission scenarios lasting hour to days. Multiple solutions may be installed on the well pad at one time.
- *Facility by facility survey:* This mode simulates a “screening” method, where solutions move relatively rapidly through multiple facilities (10-120 minutes per facility) assessing emissions at each facility. Testing lasts 1 week and includes multiple test rounds on each METEC well pad, with different leak scenarios for each test.

Testing will occur in the following test windows, with 2-3 teams onsite testing simultaneously:

- 23 – 27 July (Facility by facility survey)
- 6 – 17 August (Long-term facility monitoring)
- 27 – 7 September (Testing type dependent on which format requires additional testing time)

Results will be returned to testers 1-2 weeks after testers provide their detection results to CSU. R2 test protocols exercise fundamental modes of leak detection and quantification under a range of conditions. However, these protocols are necessarily simplified and are not intended to certify performance in field conditions. CANGET is actively developing additional test protocols in conjunction with industry and others.

Cost of testing at METEC (for both 1-week and 2-week formats) will be \$5,000, payable to METEC through Colorado State University. This fee includes testing and provision of results for the full 1 or 2-week period. Participation in the Roundup following CH4 Connections on Wednesday, 26 September 2018 from 12:00 – 6:00 pm will cost \$200 per person. Additional costs for attending CH4 Connections (registration fee \$595 – 795 per person), being an exhibitor at the conference (\$1,750), and other costs (Sponsorships \$2,500 - 10,000) may apply (payable to GTI directly). Attendance at CH4 Connections is recommended but not required for participation in the Roundup.

Testing at METEC requires site access, confidential disclosure, and drone usage agreements. CSU will present or publish results from testing in an aggregated and anonymized fashion. Testing at METEC does not currently provide certification for, endorsement of, or any statement of equivalency or performance for a particular participant / technology. Testing provides a standardized platform for technology providers to present to interested parties in the oil and gas industry. Participation in the Roundup by technology vendors requires completion of testing at METEC.

The Roundup will run 3-45 minute rounds of company presentations. Operators choose which companies to meet. If there is enough interest in a panel of representatives from regulatory agencies, we will additionally host this. The Schedule below is representative of how we hope to run the Roundup. Additional rooms will be available as needed.

<b>Time</b>	<b>Room 1</b>	<b>Room 2</b>	<b>Room 3</b>	<b>Regulatory Agency Panel</b>
1:30 – 2:15 pm	Company 1	Company 2	Company 3	Company 7, 8, 9
2:15 – 2:20 pm	Transition			
2:20 – 3:05 pm	Company 4	Company 5	Company 6	Company 1, 2, 3
3:05 – 3:10 pm	Transition			
3:10 – 3:55 pm	Company 7	Company 8	Company 9	Company 4, 5, 6
3:55 – 4:00 pm	Transition			
4:00 – 4:30 pm	Wrap Up			
4:30 – 6:00 pm	Networking / Socialize			

For information regarding technical aspects, contact Dan Zimmerle: [dan.zimmerle@colostate.edu](mailto:dan.zimmerle@colostate.edu); 970.581.9945

For information on scheduling or admin, contact Kristine Bennett: [Kristine.bennett@colostate.edu](mailto:Kristine.bennett@colostate.edu); 970.213.5965