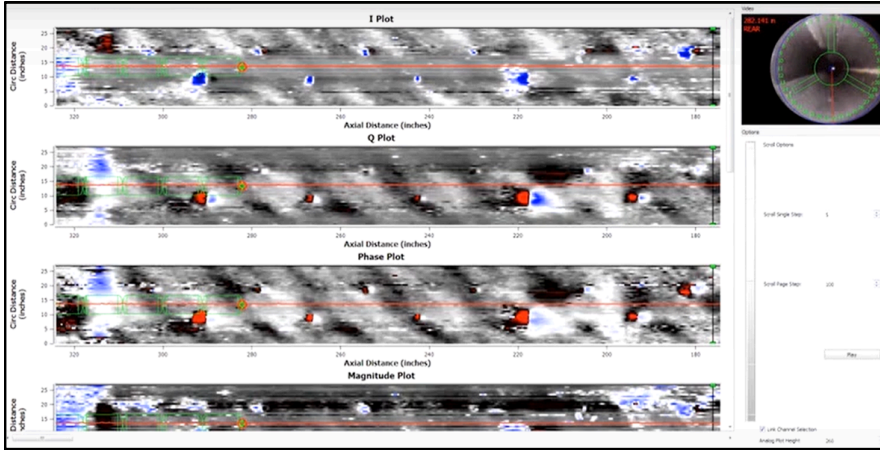
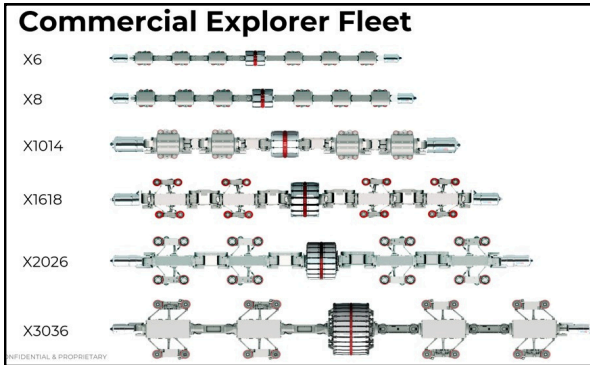


Driving Pipeline Safety: Insights from NYSEARCH Robotics LLC's Annual Meeting



The annual NYSEARCH Robotics LLC meeting was held on April 16 with its member investors. The purpose of the NYSEARCH Robotics LLC is to facilitate and report on the procedures associated with the commercial license between NGA and Invodane (now Intero -Integrity) for the Explorer Series of Inline Inspection Platforms and sensors. NGA-NYSEARCH's (16) investors gain information each year on revenues and expenses of the LLC and procedures for managing the license and resulting royalties.



With its licensee and partner Invodane/Intero, NYSEARCH has distributed royalties each year since the LLC went active in 2011. Our LLC has seen growth in recent years and additional commercial products from the RD & D program. This program has resulted in over (1500) commercial inspections that enhance the safety and pipeline integrity for gas companies who utilize this important series of inspection technologies.

NYSEARCH and PG&E Pave the Way for Aerial Gas Leak Detection

NYSEARCH successfully carried out the first of six field tests to validate Bridger Photonics aerial platform's ability to detect and quantify natural gas leaks. This test involved releasing varying flowrates of natural gas using the Controlled Methane Release kits assembled by NYSEARCH and comparing the resulting vendor flowrate measurements with the actual releases on the ground which the vendor was not aware of. This successful test was not possible without the dedicated support and resources provided by the team at PG&E!



Advancing Gas Distribution Safety: NYSEARCH and Enetics Introduce Remote Monitoring System in the Living Lab



NYSEARCH recently completed an R&D project with Enetics, Inc to develop a remote monitoring system for the gas distribution pipelines. This system consists of the GasComm® sensor array and a GasTrack or GasComm® Control Module (GCM). The GasComm® data is captured by the GasTrack RTU, providing cellular telemetry, cloud-based storage, fast alarm notifications, and a 5-year battery life or by the GCM which interfaces to utility SCADA RTU's via simple Modbus485 polling. On March 26th, NYSEARCH and Enetics installed the GasComm® sensor array and the GasTrack RTU into the Living Lab at the Newtown Creek Plant. The Newtown Creek wastewater treatment biomethane recovery system offers the industry a unique opportunity to monitor the immediate and long-term impacts of direct injection of biomethane on LDC infrastructure systems through the “living lab” environment. With the GasComm® system installed, 5 different parameters can be remotely monitored in the living lab directly from this single node: bidirectional flow velocity, bidirectional flow volume, static pressure, temperature, humidity, and vibration.



Welcoming New Talent and Celebrating Legacy at NYSEARCH!



Paul Pirro (pictured left) formerly of PSE & G, transitioned to NYSEARCH as Program Manager in February 2024, bringing valuable expertise to the team!

Daphne D'Zurko, Executive Director of NYSEARCH, Vice President of Research, Development, and Demonstration (RD&D) of the Northeast Gas Association (NGA) will be retiring June 2024. Daphne has had overall responsibility for the NYSEARCH program, NYSEARCH Staff and the growth and business development of NYSEARCH since 2001 and has been with NYSEARCH since 1989 starting as a Project Manager. She has had a wide range of experiences serving numerous gas members and remains passionate about NYSEARCH and the important role of natural gas RD&D.

Joseph Mallia, (pictured right) Senior Project Manager retired in April 2024. Joe worked for NYSEARCH nearly (15) years, starting in October 2009, after being a NYSEARCH member, Subject Matter Expert and gas industry engineer for Rochester Gas & Electric for numerous years. Joe's expertise in test development, materials, pipe location, leak detection and methane emission quantification as well as technical project management benefited our organization and the industry in a range of ways.

Recent Final Reports Released to NYSEARCH Funders

M2016-003	Development & Testing of RFID Tag for Coiled PE Pipe	February 2024	Suzy Chaillou
M2021-005	Odor Detection Study – Effect of Hydrogen Blends Odorizing NG	April 2024	Ahra Kwon
M2019-004	Development of Mercaptan Sensor Systems with Non-Radio Activeonizer	April 2024	Ahra Kwon
M2020-009	Development of a Decision-making Algorithm for Detection and Quantification of Leaks	March 2024	Joseph Mallia