



# AQUICON

## WATER

*Enhanced wastewater treatment solutions*

*Presented by:*

*Clyde Fernandes - Business Development Manager*

*November 14, 2023*

# Overview

- Operating as a contractor in Ontario for 40 years (Aquicon)
- Partnership with UK's Plantwork Systems under Aquicon Water
- Delivery and distribution of de Hoxar Spiral Separation technology to Canada



# Spiral Technology Overview

- Extremely compact footprint; less than 5% of site area when compared to conventional settlement tanks
- Once covered the volume of air needed to be treated is typically 1% compared to conventional tanks
- Can produce higher sludge density at a constant rate; 5% to 6%
- Ideal solution for efficient extraction of high calorific primary sludge for Anaerobic Digestion as part of utilities CHP programs.



# Early Stages and Planning

- Understanding the unique challenges faced by plant operators
- Exploring opportunities beyond primary and secondary settlement
- Recurring themes



# Municipal Collaboration

- Working together to overcome concerns over a large pilot
- Adhering to the site's Environmental Compliance Approval
- Performing testing on various municipal flows
- Identifying the best suitable site for trials
- Assistance with laboratory testing



# Pilot Installation and Operation



# Future Collaborations & Thank You



*Clyde Fernandes - Business Development Manager*

*info@aquiconwater.com*

*www.aquiconwater.com | www.plantworksystems.com*