

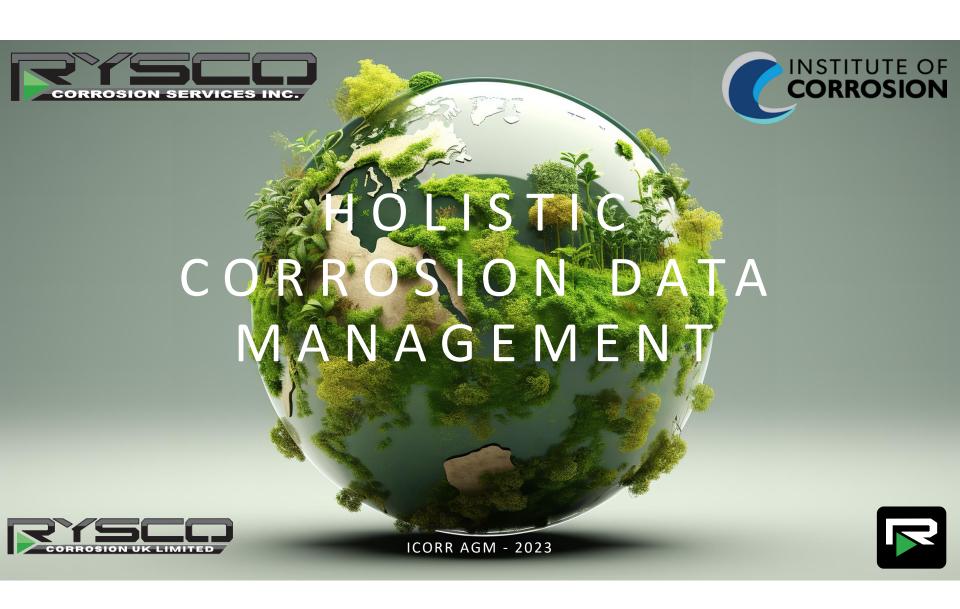
Paper 1

Holistic Corrosion Data Management by Ryan Finlayson, CEO & President, Rysco Corrosion Services Inc. Alberta, Canada



Paper 1

BIO - Ryan Finlayson is the founder of Rysco Corrosion Services Inc and the Rysco Group of Companies, a corrosion-focused set of businesses with international operations, services, and manufacturing. With humble beginnings working from his garage in 2007, Ryan and his growing team have continued to pursue technical innovation and value-added solutions for all their worldwide clients. Prior to Rysco Corrosion, Ryan worked for 7 years with Baker Hughes in their production chemistry division, learning about applied field techniques for many applications, including corrosion. These experiences helped him prepare the solid foundations of Rysco by placing an emphasis on the importance of continuing education, knowledge sharing, and employee development. Rysco is a long-time contributor to international corrosion associations, and champions these to evolve and improve the corrosion industry. With a formal education in engineering and business, Ryan is a promoter of skill acquisition within his companies, believing that supporting educational initiatives builds strength.

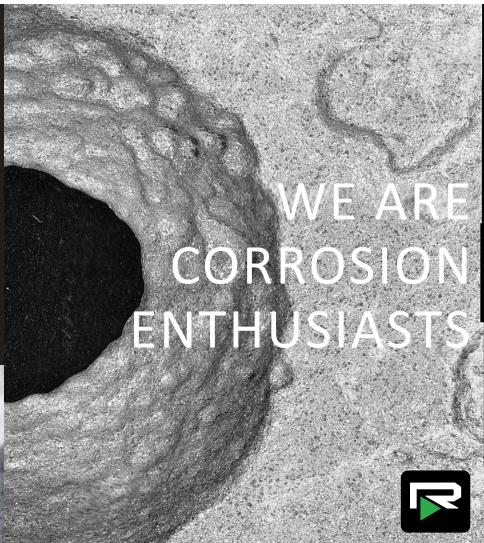




IMAGINATION

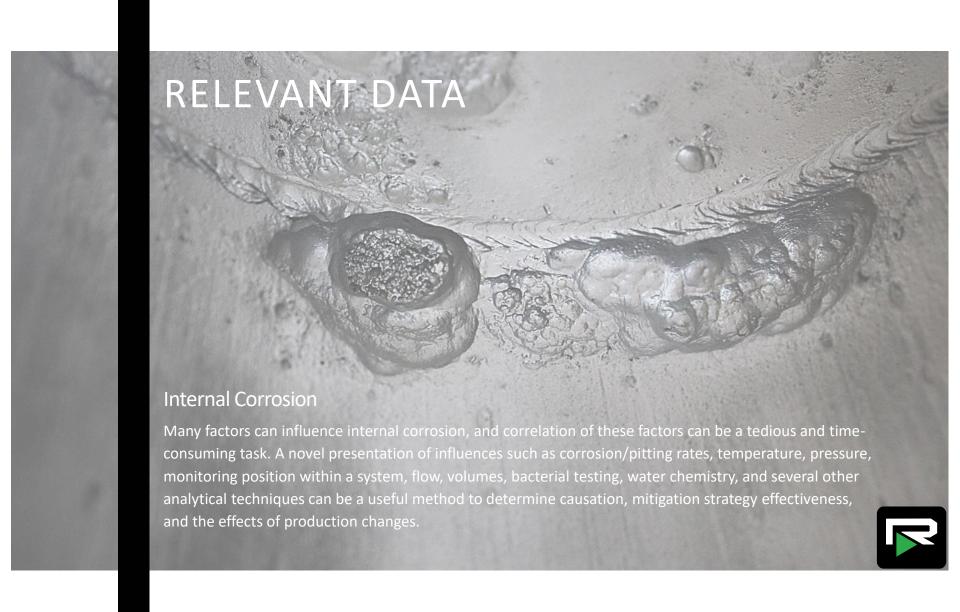
All of the RYSCO entities place an emphasis on INNOVATION. This means that we focus on efficiencies, improvements, and novel approaches to everything that we do. Including mechanical and electronic equipment, service offerings, and especially data analytics.

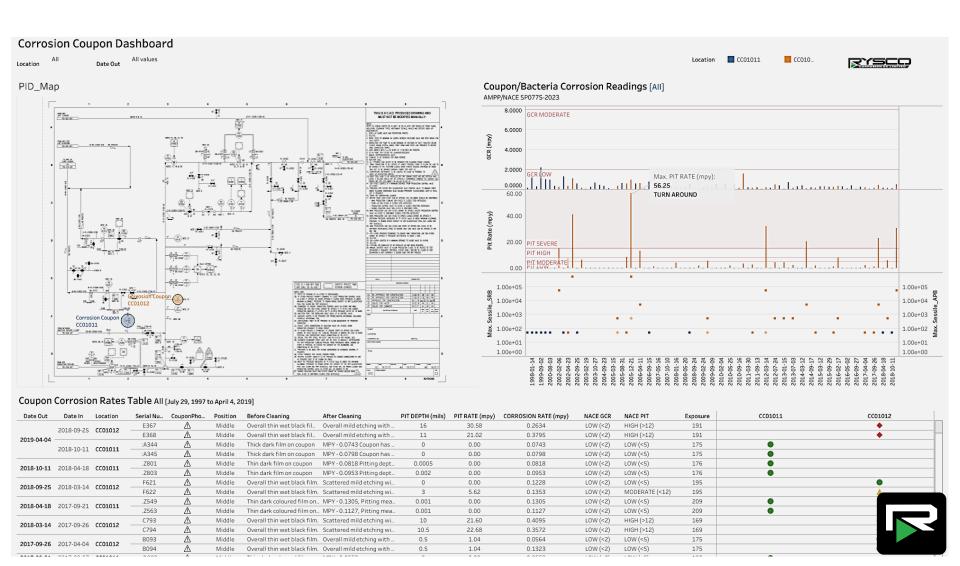


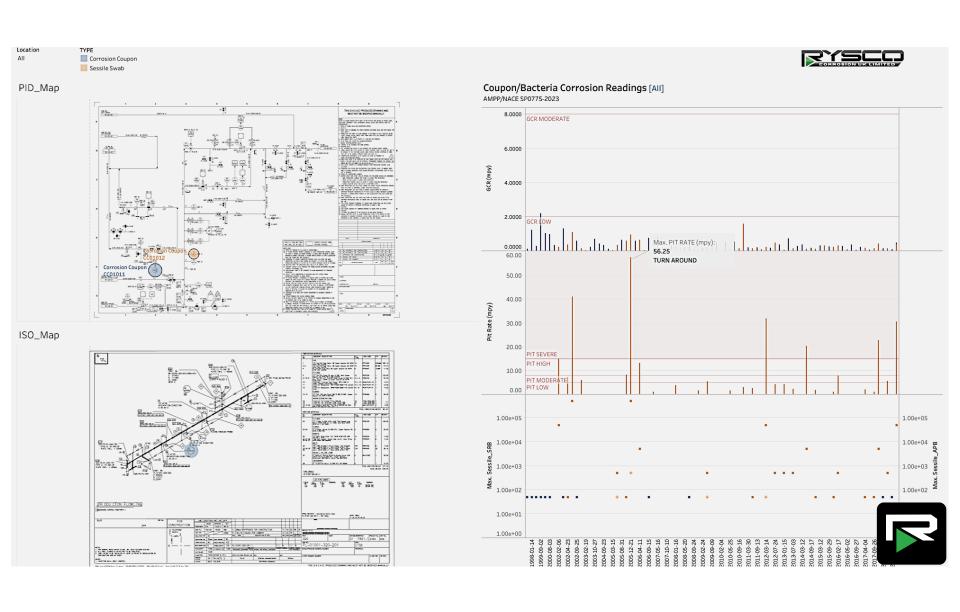


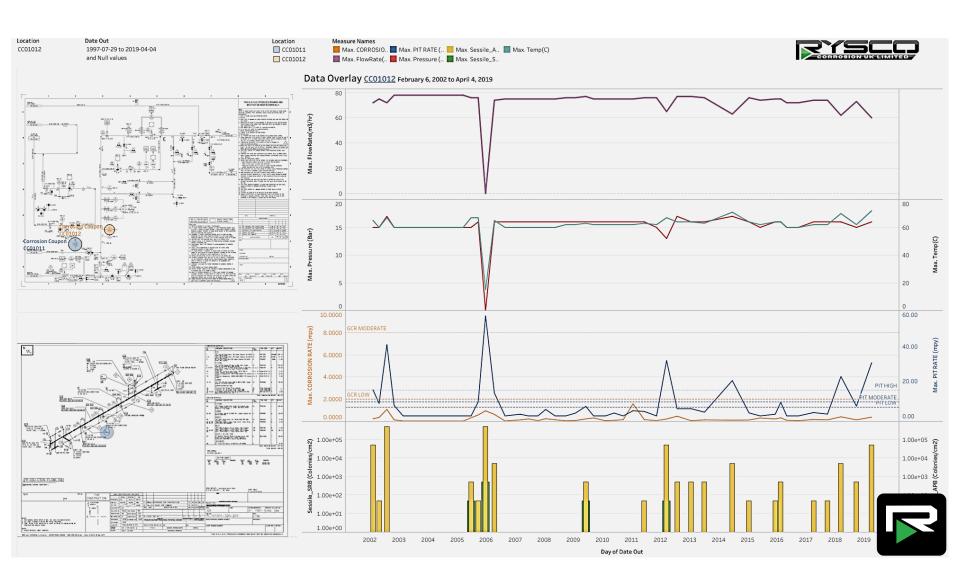


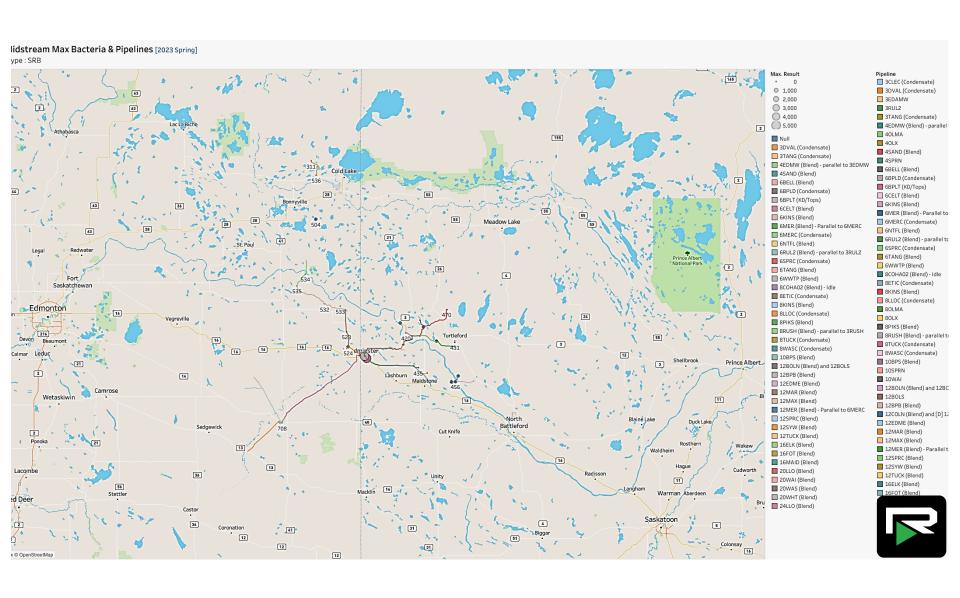


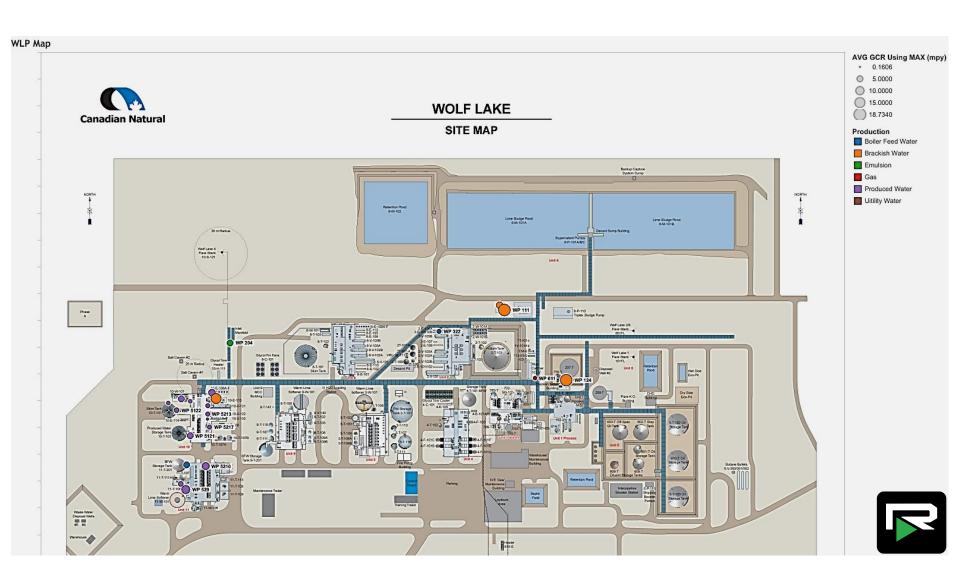




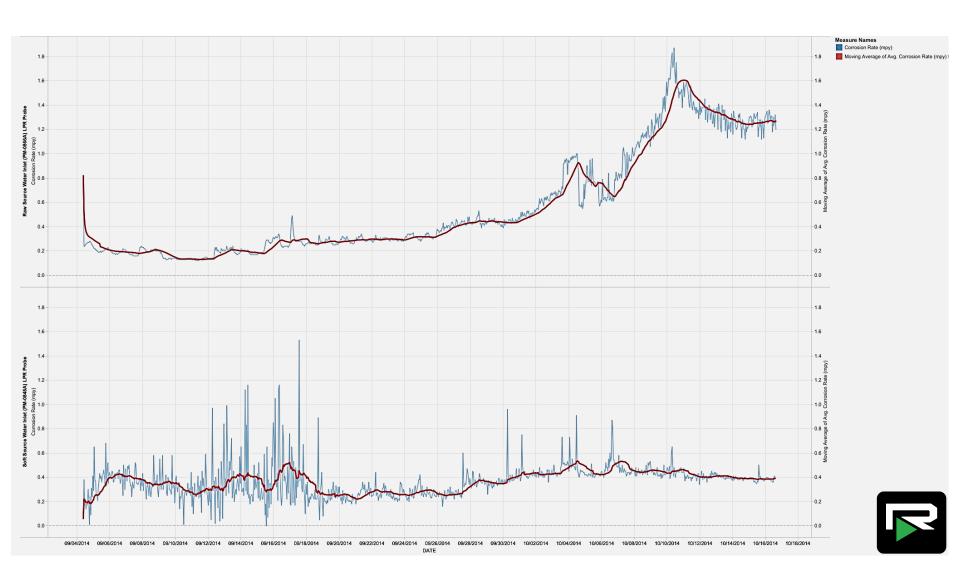




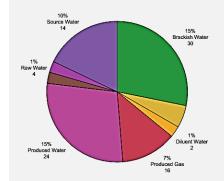


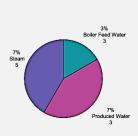


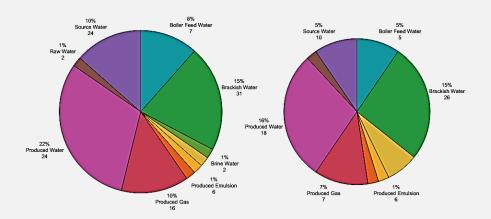




	DATE O	UT		Production
2016	2017	2018	2019	Boiler Feed Water
				Brackish Water
				Brine Water
				Diluent
				Diluent Water
				Produced Emulsion
				Produced Gas
				Produced Water
				Raw Water
				Sales Oil
				Source Water
				Steam













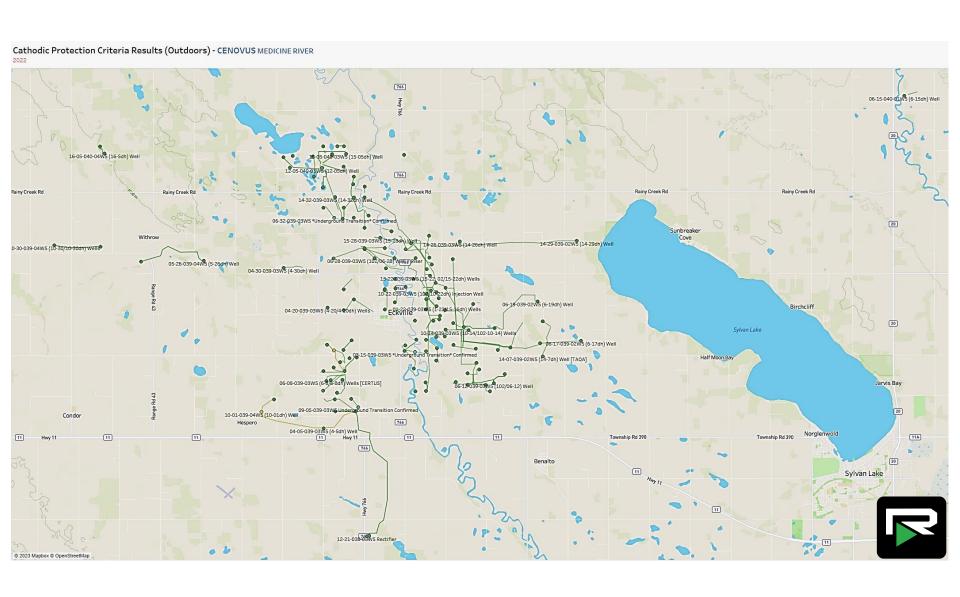




From a holistic perspective, one of the primary challenges with external corrosion mitigation can be the sheer volume of data collected. Data review via tables is not always reasonable, so the presentation of large datasets as 'visual data' often speeds up the analysis. This technique can be applied to cathodic protection annual adjustive surveys, aid in the trouble-shooting of interference, analysis of current transfer, and the presentation of ECDA techniques.







License/LSD Report

Customer Name

License Line 2954-9 Lsd All Season All



CriteriaResu.. CP Pass

CriteriaResu.. • CP Pass

Data by License

All - WESTEROSE NORTH_WEST - Lic: 2954-9

Lsd	Infrastructure Description	License Line	Service Date	Season	Survey	AllComments	ON (-mVcse)	OFF (-mVcse)	Deficiency Tier	
04-03-046-28W4 Battery	4" NG Steel to 13-34-045-28W4	2954-9	1/4/2023	2022	INTERRUPTED		1487	1104	NONE	•
			8/3/2021	2021	INTERRUPTED		1321	1002	NONE	0
			10/7/2020	2020	INTERRUPTED		1503	1075	NONE	0
13-34-045-28W4 Battery 4" NG Steel fr 04-03-046-28W4			1/4/2023	2022	INTERRUPTED		1378	1051	NONE	0
	2954-9	8/3/2021	2021	INTERRUPTED		1227	1004	NONE	0	
		10/6/2020	2020	INTERRUPTED		1342	1056	NONE	0	
		10/2/2019	2019	INTERRUPTED		1044	933	NONE	•	







