

## SOIL Ingenieria Ltda. - REFERENCE LIST



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Year	Client	Location	Application	Technology	Scope	E/EP/ EPC/CA
2014	MOL	Hungary	Fired Heaters	Fired Heaters	HAZOP Study	E
2015	Terra Nitrogen, LP	Verdigris Complex, OK	Ammonia Reformer	MW Kellogg	Construction Management/Advisory Services for Ammonia Plant Revamp Project	EPC
2015	Orica Mining Services	Kooragang Island, Australia	Ammonia Reformer	MW Kellogg	Technical Field Services - reformer TAR planing	CA
2015	MOL Petrolszolg KFT	Hungary	Fired Heaters	NA	Site visit and study	E
2015	Methanex Chile S.A.	Punta Arenas - Chile	Methanol Reformer	MW Kellogg	Reliability engineer support for Train 1	CA
2015	Methanex USA	Geismar, LA	Methanol Plant	Davy / Kvaerner	Reliability engineer support for Train 1 & 2	E
2015	Methanex New Zealand Limited	Waitara, Taranaki	Methanol Reformer	Foster Wheeler	Reliability Engineering study of the Waitara Valley Methanol Plant Reformer Furnace.	E
2016	CF Industries Port Neal	Sergeant Bluff, IA	Ammonia Reformer	MW Kellogg	Field Construction Management Services	EPC
2017	Quest Integrity NZL Ltd	Geismar, LA	Methanol Reformer	Davy Process Technology	Critical Assets Evaluation	E
2017	Methanex Chile S.A.	Punta Arenas - Chile	Methanol Reformer	MW Kellogg	Technical advisory services for the 101-B Riser Failure & other inspection/repairs on the MW Kellogg Reformer.	E
2017	QAFAC	Qatar	Methanol Reformer	Foster Wheeler	Engineering & supply of SNCR NOX Reduction system / Field Project Management Services	EP
2017	NDT Testing	Chile	Oxygen Production	Unknown	Evaluation of an Oxygen Pond according to API 579-1/ASME FFS-1, Fitness-For-Service	E
2017	Compañía Pesquera Torres del Paine Ltda.	Chile	Fish Packing	Plant	Implementing a Preventive Maintenance Program	E

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2018	CF Industries	Port Neal, Iowa	Ammonia Reformer	MW Kellogg	Primary Reformer Re-Harp - furnish all necessary labor, equipment and material / Field Construction Management Services	EPC
2018	Merhanex Chile	Punta Arenas, Chile	Methanol Reformer	MW Kellogg	Inspection of Transition Parts Riser Tubes - Reformer 101-B	E
2019	CVR	East Dubuque	Ammonia Reformer	Ammonia Reformer	Comments on R-1 Outlet Pigtailes Condition EDNF – East Dubuque	E
2019	CF Industires	Canada	Convection Section	Reformer	D, E coils - P11 hardness readings - Metallurgical Comments	E
2019	Methanex	Diametta, Egypt	Convection Section	Jacobs	Repair works to SSH steam coil	E
2020	Sitech	Netherlands	Reformer	MW Kellogg	Field Construction Management Services	E
2020	Enaex	Antofagasta, Chile	Steam Generator Boiler	STANDARDKESSE L Lentjes-Fasel	Review of Thickness Measurement Results for Boiler Tubes B-8101	E
2020	Ballance	Kapuni, New Zealand	Reformer	Foster Wheeler	Steam Methane Reformer D1-0101 Report on Study of Pigtail Failure	E
2022	NiQuan	Trinidad & Tobago	Reformer	MW Kellogg	Analysis to the Eddy Current Inspection of 41-H1-SMR Catalyst Tubes – NiQuan GTL plant	E
2022	NiQuan	Trinidad & Tobago	CS Piping	General	Inspection and Maintenance Criteria for CS pipe in contact with CS pipe rack beams.	E
2022	NiQuan	Trinidad & Tobago	Reformer	MW Kellogg	Guidelines for a Catalyst Tube Removal - 41-H1-SMR – NiQuan GTL plant	E
2022	NiQuan	Trinidad & Tobago	Piping	General	Recommended Procedure to Inspect Piping Due to Possible Crevice Corrosion Damage	E
2022	NiQuan	Trinidad & Tobago	Reformer	MW Kellogg	Analysis to the Temperatures Surveys of 41-H1-SMR Catalyst Tubes – NiQuan GTL plant	E

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2022	NiQuan	Trinidad & Tobago	Valves	Plant	Report on Let Down Valve Leak Area 24 – NiQuan GTL plant	E
2023	Proman	Trinidad & Tobago	Reformer	MW Kellogg	101-B INSPECTION PLAN & PIPING FAILURE COMMENTS	E
2023	Yara	Tertre, Belgium	Tube Growth Monitor	Reformer	TGM field installation: supervision, training, calibration and procedures creation	EPC
2023	HIF Chile	Punta Arenas, Chile	Methanol Reactor	Confidential	R-300 Reactor Bottom Cone Failure – Failure Analysis and Repairs Recommendations	E
2023	Bia Energy	Confidential	Methanol Plant	Lurgi	Revision of equipment classes metallurgical specs.	E
2023	CF Industries	Port Neal, Iowa	Reformer	MW Kellogg	Harps Hot Balance	E
2024	Enaex	Antofagasta, Chile	NH3 Boiler	UTE -TR	Evaluation of crack type defect using API 579	E
2024	Methanex Chile SpA	Punta Arenas - Chile	WHB	MW Kellogg	Distributor repair and pin welding on 101-AC/CB exchangers retired in the 2022 Outage	E
2024	Methanex Chile SpA	Punta Arenas, Chile	Co Mo Hydrotreater	MW Kellogg	D-104 Equipment Failure Review and Analysis	E
2024	Methanex Chile SpA	Punta Arenas, Chile	Gas Compressor Turbine	MW Kellogg	Analysis of the Root Cause Analysis Report of Interior Corrosion in the 111-JT Turbine Rotor/Stator Assembly	E
2024	Methanex Chile SpA	Punta Arenas, Chile	Demin Water Preheater	Sewon / Lurgi	Review and validation of the solution developed for the E-01007 equipment – Demin Water Preheater	E
2024	Methanex Chile SpA	Punta Arenas, Chile	HP BFW Preheater	Sewon / Lurgi	E-02002 Equipment Condition Inspection Results Review and Validation – HP BFW Preheater	E
2024	Methanex Chile SpA	Punta Arenas, Chile	Feed Preheater	Lurgi	Ferrules Specification for E-01004 – Feed Preheater Heat Exchanger	E

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2024	Methanex Chile SpA	Punta Arenas, Chile	Methanol Reactor	Lurgi	Review and Validation of the Developed Solution for the Replacement of the R-02002 Reactor Compensator – Gas Cooled Methanol Reacto	E
2024	Methanex Chile SpA	Punta Arenas, Chile	Steam / Steam Condensate Piping	Lurgi	Development of an Engineering to perform Crimping in line 060TL40002-3/4"	E
2024	Methanex Chile SpA	Punta Arenas, Chile	Water Cooler Reactor R-02001	Lurgi	Development of technical specification and/or welding procedure for the installation of welded plug on tube sheet of the Water-Cooled Reactor R-02001.	E
2024	Methanex Chile SpA	Punta Arenas, Chile	Feed Gas Coalescer	Lurgi	Review and Analysis of Overpressure Incident F-02502 Feed Gas Coalescer	E
2024	Methanex Chile SpA	Punta Arenas, Chile	N/A	N/A	API 579 Skills Development Workshop – Fitness For Service	E
2024	Methanex Chile SpA	Punta Arenas, Chile	High Pressure Steam	Lurgi	Valve Leak Repair FV-016003A	e
2025	Caribbean Gas Chemical Limited	Trinidad & Tobago	Package Boiler	Unknown	Analysis of Porosity during Welding of 1" Branch on Steam Piping	E
2025	VertGTL	Louisiana, USA	MEA	Praxair	301-HE-0350 ABCD MEA Exchangers - Reliability Study	E
2025	VertGTL	Louisiana, USA	Refomer	Praxair	Steam reformer – Eddy Current Report Reliability Analysis	E
2025	VertGTL	Louisiana, USA	Refomer	Praxair	Field Assessment Report Steam Methane Reformer US-01-101-R-0100	E
2025	VertGTL	Louisiana, USA	Steam	Praxair	932-E-0001 Surface Condenser - Reliability Study	E
2025	VertGTL	Louisiana, USA	WHB	Reformer	E-0110 WHB - Reliability Study	E
2025	Profertil	Bahía Blanca - Argentina	Reformer	Haldor Topsoe	Condition Assessment of Reformer Tubes in Furnace #02-F-201 Utilizing 'H' SCAN® Technology - Engineering and Project Manager Services	EPC

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2025	VertGTL	Louisiana, USA	Plant	Reliability	Asset Integrity Strategy	E
2025	Methanex Chile SpA	Punta Arenas, Chile	ASU	Linde	Valve plug and stem assembly repair JT TV-131601	E
2025	Methanex Chile SpA	Punta Arenas, Chile	ATR	Lurgi	Analysis of the results of inspection of the in-liner of the ATR of Chile IV	E
2025	Methanex Chile SpA	Punta Arenas, Chile	Auxiliary Boiler	Lurgi / Cerrey	Discussion on the condition of the tubes of the B-14001 boiler of Chile IV	E
2025	Methanex Chile SpA	Punta Arenas, Chile	RG / WHB - E-1003	Borsig	Assessment of SA-387 Gr.12 Cl.2 material in service under Reformed Gas / Tube Sheet	E
2025	Methanex Chile SpA	Punta Arenas, Chile	PSA	Linde	Review and Comments on Ultrasonic inspection results of PSA A-B-C-D-E-F equipment.	E
2025	Methanex Chile SpA	Punta Arenas, Chile	Distillation Columns	MW Kellogg	Proposal for a Repair Procedure for Towers 201-E and 202-EA/EB Plant I – Methanex Chile	E
2025	Schmidt + Clemens	Murieta, Spain	Reformer	MW Kellogg	CF Industries Tube Failure Technical Report	E
2025	Schmidt + Clemens	Murieta, Spain	Reformer	KT-Kinetics Technology	Proposal for an Assessment of an Egyptian Refining Company (ERC) Reformer	E
2025	Schmidt + Clemens	Murieta, Spain	Reformer	Haldor-Topsoe	Proposal for an Assessment of two pigtails samples - Oman India Fertiliser Company S.A.O.C.	E
2026	Methanex Chile SpA	Punta Arenas, Chile	Lift Station	MW Kellogg	Piping evaluation	E
2026	Methanex Chile SpA	Punta Arenas, Chile	Reformer	MW Kellogg	Reformer condition Assessment	E
2026	Methanex Chile SpA	Punta Arenas, Chile	LP Steam	MW Kellogg	PURCHASE SPECIFICATION LOW PRESSURE ROTOR (LP) - SYNGAS COMPRESSOR 101-J	E

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2026	Orica Mining Services	Kooragang Island, Australia	Transfer line	MW Kellogg	Transferline 107-D replacement works and harps leveling - Consulting services	E
2026	Schmidt + Clemens	Murieta, Spain	ATEX Standards	UE	Introduction to European Directives 2014/34/EU (ATEX 114) and 1999/92/EC (ATEX 153)	E
2026	Schmidt + Clemens	Murieta, Spain	Reformer	Unknown	OMC Consultation (Oman Methanol Company) - Hot Spot	E
2026	Soquimich	Chile	Storage Tank	Unknown	Acid Pond Corrosion Analysis Service 5863-EST-3013	E
2026	Novandina	Chile	Secador lecho fluidizado	Unknown	Faliure analysis. Corrosión of SS shell	E
2026	Methanex Chile SpA	Chile	Reformer training	MW Kellogg	Training about reforemer desing, operation and maintenance	E
2026	Methanex Chile SpA	Chile	101-B Mechanical Audit	MW Kellogg	Extensive mechanical inspection to the reformer sections. Report issued with recommendations	E