

ARGENTINA

Company	City	Province	Year	Works Done
Aceitera General Deheza S.A.	General Deheza	Córdoba	1997	Technical and Economic Analysis for the relocation of Refinery Earths. Software development for quantifying Losses in Refining unit. Supervision of Yearly Shutdown of Refinery.
			1998	Study for the Optimization and Increase of Capacity of 2 (two) 150 TPD and 300 TPD refining lines (1998). Such lines were able to process 200 TPD and 340 TPD respectively without adding or modifying equipment. Technical and Operating Optimization of Drying of oil from Presses. Coordination of tasks to start operating a high pressure steam circuit of 340 TPD Deodorization. Software analysis and modification for oil mass Balance in Packing Lines. Evaluation of Re-use of acid waters from Olein processing during the same process and its surplus as an acidification means in the Physical Chemical Treatment of Waste Waters from Refining.
			1999	Implementation of a Methodology to determine real Losses in Refining. The first stage was the gauging of tank and electronic devices, revision and adaptation of process control software and the preparation of Operating Instructions for gauging, sample takings and measurements.
			2001	Basic Engineering and plant supervision in the restructuring and upgrading of an Olein Plant.
			2009	Technical Assistance in Deodorization vacuum systems units.
			2010	Technical assistance in Deodorization units.
			2011	Technical Assistance in Refining unit to solve issues in finished product quality.
			2012	Technical Assistance in vacuum system in Deodorization units.
			2013	Technical Assistance in Refinery to solve any problems on quality of soybean oil.
			2018 - 2019	Technical Assistance in Deodorization vacuum systems units.
Autex	Villa María	Córdoba	2010	Technical evaluation report of a biodiesel unit.
Atanor	Río Tercero	Córdoba	2020	Basic and detail Engineering for new proyect of 2,4 DCP distillation.
Alfa Laval S.A.I.	General Deheza	Córdoba	2005	Basic Engineering for the Revamping of 250 TPD vegetable oil Deodorization/Physical Refining for ACEITERA GENERAL DEHEZA S.A. Works were executed upon the request of end Customer.
Bioetanol Río Cuarto S.A.	Río Cuarto	Córdoba	2015	Study for the Optimization of mixing system in fermenters, and CIP implementation in production unit for 250 m3/day of bioethanol.
			2017	Complementary Engineering for a biogas unit from corn thin stillage, in production unit for 250 m3/day of bioethanol. Conceptual analysis and economic feasibility for a co-generation of electrical power from high pressure steam, in production unit for 250 m3/day of bioethanol. Complementary Engineering for an production upgrade, in production unit to 400 m3/day of bioethanol.
Olca S.A.	General Cabrera	Córdoba	2004 - 2005	Study for the Optimization and Increase of Capacity of 250 TPD Solvent Extraction, including Technical and Economic Feasibility Evaluation.
			2003	General Inspection of a Solvent Extraction Plant for Start- Up.
			2004	Assistance in the Start-up of a vegetable oil Refinery which had been shut down for two years. Technical Assistance in vegetable oil Refinery.

Oleos del Centro S.A.	Río Tercero	Córdoba	2007 2009 2011 - 2014 2014	Technical Assistance in 85 TPD vegetable oil Deodorization process. Engineering for the implementation of a Cold Neutralization for 85 TPD sunflower oil. Extended Basic Engineering for the implementation of a Lecithin Drying of 4 Ton/day soy lecithin. Technical Assistance in Solvent Extraction Plant.
Refinería del Centro S.A.	Ferreyra	Córdoba	2005 - 2006 2007	Study and Upgrading of 130 TPD Deodorization line for an Increase of Capacity. Capacity was increased 15% by means of software and operating improvements. Study and Upgrading of Deodorization for improvements into the distillates recovery system. By means of software and operating adjustments, the loading of fatty matters to the barometric water systems decreased 70% and stops due to obturation with fats from the vacuum system were eliminated.
Acha S.A.	Chabas	Santa Fe	2015 2016 2017	Optimization study for Solvent Extraction unit, Line#2 of 3.700 TPD. Study for the use of boiler chimney gases, for preheating seeds. Basic and Detail Engineering for condensate recovery.
Afa S.C.L	Los Cardos	Santa Fe	1998 1999 2002 2003 - 2005 2004 - 2005 2006 2008 - 2009 2011 2002 hasta la fecha 2005 hasta la fecha 2012 2013 - 2014 2016	Study for the staged Optimization of Solvent Extraction of 480 TPD soybeans including Estimate of Investment Costs. Basic and Detail Engineering for the first stage of Revamping of Solvent Extraction and condensate recovery system in Preparation and Grading Consumption was reduced in 25 Kg. of steam per ton of seed, 0,4 lts. of solvent per ton of seed and residual oil in meal in 0,35% w/w. Design and Calculation of a water purge economizer of boiler water/ demineralized water. Replacement of SCADA system in 480 TPD soybeans Solvent Extraction section. Study of Investment Prefeasibility, bid documents preparation, supplier selection and plant supervision of 100 TPD soybean/sunflower oil Refinery. Basic Engineering, control development, assembly supervision and Start-up of services and Tank Farm in Refining sector. Supervision of Yearly Shutdown of Refinery. Basic Engineering, interlocking, control development, and Start-up of 5 TPD lecithin Drying. Detail Engineering for the implementation of solvent heater with Toaster gases for a Solvent Extraction of 480 Ton/day of soybean. Monthly fee for technical assistance in the operating Optimization of 480 TPD soybeans Solvent Extraction unit. Monthly fee for technical assistance in the operating Optimization of 100 TPD vegetable oil Refinery. Detail Engineering for the implementation of a degummed oil heater for the Solvent Extraction of 480 TPD of soybeans. Basic and Detail Engineering, control logic development and Start-up of effluent concentrate unit in Solvent Extraction. Basic and Detail Engineering, control logic development and Start-up of effluent concentrate unit in Refinery. Basic and Detail Engineering, and Start-up for the implementation of a vegetable oil stripper, improvements in solvent recovery system, and condensers for the Solvent Extraction of 480 TPD of soybeans. Pre-feasibility study of a unit of concentrated soy protein.
Alfa Laval S.A.I.	Avellaneda	Santa Fe	2005	Technical assistance in 200 TPD Refinery for the SERVIPACK project.

Bioenergias Agropecuarias S.A	Villa Ocampo	Santa Fe	2018	Feasibility study for a sugar cane unit adequacy to use corn or sorghum grain for bioethanol production. Feasibility study for production upgrade to 50 m3/day of bioethanol from corn and sorghum grain.
Bunge Argentina S.A.	San Jeronimo Sud	Santa Fe	1996	Supervision of Yearly Shutdown of 150 TPD Refinery.
			1997	Study for the Optimization and Increase of Capacity of 150 TPD Refinery. Capacity was finally increased to 215 TPD processing soybean oil and to 185 TPD processing sunflower oil. Neither additions nor modifications to existing equipment were performed in any case.
			1998	Study and preparation of purchase specifications for the introduction of oil-oil economizers in Refining unit. Steam consumption was reduced in 3Kg. per ton processing soybean oil and in 7Kg. per ton processing sunflower oil.
			1999	Plant supervision of modifications introduced in Refinery.
			2000	Study for the Optimization of Preparation, Solvent Extraction and meal Drying of 1.500 TPD soybeans including Estimate of Investment Costs. Consumption was reduced in 17Kg. of steam per ton of seed and in 0,05 lts. of solvent per ton of seed introducing only operating improvements avoiding plant Desolventization.
			2002	Technical Audit in order to optimize Automation of Refining section.
			2012	Technical Assistance to improve quality standards in Refining unit of 220 TPD. Technical Assistance for improvements in Solvent Extraction unit of 1200 TPD of sunflower seeds. Feasibility Study to increase capacity in Refinery.
			2013 - 2015	Basic and Detail Engineering, control logic development, and Start-up to increase Refinery capacity to 250 TPD.
			2018	Basic and Detail Engineering, with investment order for sunflower Lecithin drying to 6 TPD. Basic Engineering and technical support for toluene insoluble matter reduction, in sunflower oil Solvent Extraction to 1.200 TPD. Technical assistance to process high oleic sunflower oil with low FFA in Refinery of 250 TPD.
			2018 - 2019	Inspection and technical assistance in Deodorization of 650.
Buyatti S.A.I.C.	Reconquista	Santa Fe	2005	Evaluation of vegetable oil Refining unit.
			2006	Preliminary Project Study for improvements of sunflower and soybean oil Refining unit to process 100 TPD. Preliminary Project Study for improvements of sunflower and soybean oil Refining unit to process 150 TPD.
			2007	Basic and Detail Engineering including Start-up to improve and increase capacity to 150 TPD of sunflower and soybean oil Refining.
			2008	Losses evaluation in Refining unit of 150 TPD.
			2009	Technical assistance to improve Solvent Extraction unit of 1100 TPD.
			2009 - 2010	Study for the adaptation of Cold Neutralization for the Dewaxing of 150 TPD sunflower oil.
			2012	Basic and Detail Engineering for the optimization of Solvent Extraction unit of 1500 TPD. Detail Engineering for the implementation of a mineral oil stripper, and improvements in economizer and condensers for
			2013	Distillation of Solvent Extraction of 1.400 TPD of cotton seeds. Feasibility Study for technology changes and to increase capacity in Refinery.
			2016	Technical assistance for the implementation of Cold Neutralizing for dewaxing 150 Ton/day of sunflower oil. Detail Engineering for the implementation of condenser in atmospheric circuit for Solvent Extraction of 1400 Ton/day cotton seeds.
			2018 - 2019	Construction supervision of condenser in atmospheric circuit for Solvent Extraction of 1400 TPD cotton seeds.
			2019	Technical verification of cooling system in Refinery, and it adequacy for it proper operation.

	Puerto Gral San Martin		2011 2012	Preliminary study for the implementation of soy lecithin Drying unit of 20 Ton/day. Concept Engineering for preliminary study of Biodiesel unit of 600 TPD. Basic and Detail Engineering for the optimization of Solvent Extraction unit of 1500 TPD.
Cofco Internacional	Complejo Portuario de Timbúes	Santa Fe	2017	Conceptual Engineering for a drying improvement on biodiesel unit for 600 Ton/day.
CPM Argentina S.R.L	Puerto Gral San Martin	Santa Fe	2011	Technical Assistance and Assembly Supervision in the Revamping to be implemented in 2 (two) Termina 6 Industrial S.A. Solvent Extraction units of 9000 Ton/day each of soybean.
Cremer S.A	Complejo Industrial Arroyo Seco	Santa Fe	2017	Optimization study for Latinbio and Cremer biodiesel units, both for 150 Ton/day.
De Smet Ballestra	San Jeronimo Sud	Santa Fe	1996	Technical Assistance in the Automation of BUNGE ARGENTINA S.A. 150 TPD vegetable oil Refinery.
Explora S.A.	Puerto Gral San Martin	Santa Fe	2009 - 2010	Basic and Detail Engineering for the Drying of a biodiesel line of 300 TPD. Estimate of investment costs for the enlargement and improvement in a biodiesel unit.
Gonella S.A.	Esperanza	Santa Fe	2009	Thermal performance verification of 4 (four) shell and tube heat exchangers for the project PETROBRAS BOLIVIA. Thermal performance verification of 1 (one) heat exchanger, shell and tubes for the cogeneration project in TABACAL SUGAR. Thermal performance verification of 1 (one) heat exchanger, shell and tubes for the PLUSPETROL Centenario project.
Molinos Río de la Plata S.A.	Rosario	Santa Fe	2001 2003	Technical Audit (Santa Clara Plant) in Refining section for quality certification of processed oil and processes. Basic and Detail Engineering for the Revamping of Solvent Extraction of 850 TPD soybeans and 1.150 TPD sunflower seeds, including Estimate of Investment Costs.
Nidera S.A.	Puerto Gral San Martin	Santa Fe	1998 2006 2007 2009 2010 2014 2016	Study for the Optimization of steam consumption of 1.800 TPD soybeans Solvent Extraction Plant. Steam consumption was reduced in 50 Kg. per ton of processed material by means of operating Optimization. Study for the Optimization and Increase of Capacity of 1.800 TPD Solvent Extraction unit including Technical and Economic Feasibility study. Production capacity was increased to 2.150 TPD without adding or modifying existing equipment. Detail Engineering for the full exploitation of energy with boiler water of Solvent Extraction unit and for the introduction of an economizer to heat solvent with DT gases. Detail Engineering for a new condensator in Solvent Extraction unit and Basic Engineering for improvement of Cooling Towers water circuits. Detail Engineering for improvement in stripper in Solvent Extraction unit of 2300 TPD. Basic Extended Engineering for the implementation of a lecithin Drying and Tank Farm associated to 6.000 TPD Solvent Extraction. Detail Engineering for ejectors in Distillation of Solvent Extraction unit of 6.000 TPD. Study for the optimization of Solvent Extraction 6,000 Ton/day of soybean.
Noble Argentina S.A.	Complejo Portuario de Timbúes	Santa Fe	2011 2015 2016	Technical support in the development of tender specifications for biodiesel project of 200.000 Ton/year. Study for the optimization of Solvent Extraction 8,000 Ton/day of soybean. Study for the optimization of Biodiesel production unit 600 Ton/day.
Pecom Agra S.A.	San Lorenzo	Santa Fe	2002	Basic and Detail Engineering for improvements in solvent recovery by means of mineral oil.
Red Surcos S.A.	Recreo	Santa Fe	2017	Feasibility economic study for a re start of a Crushing Plant in Lucas González –Entre Ríos-, for 400 Ton/day.

Renova S.A.	San Lorenzo	Santa Fe	2009 - 2010	Technical Assistance for Optimization of Losses in 2 (two) Refining lines for 1000 and 700 TPD.
	Timbúes		2019	Technical assistance for the quality improvement of deodorized oil in Refinery of 1.000 TPD.
			2018	Feasibility study for an acid oil production unit from gums.
Ricedal S.A.	Chabas	Santa Fe	2013	Concept Engineering for preliminary study of Refinery unit of 100 TPD.
LDC Argentina S.A.	General Lagos	Santa Fe	2003	Study for the Optimization of Solvent Extractions of 3.500 TPD and 9.000 TPD soybeans, including Estimate of Investment Costs. Consumption was reduced in 17Kg. of steam per ton of seed and 0,7 lts. of solvent per ton of seed introducing only operating improvements avoiding plant Desolventation. Basic Engineering for the partial Revamping of 3.500 TPD soybeans Solvent Extraction, including Estimate of Investment Costs.
			2006	Technical Assistance for the Standardization of solvent consumption in Solvent Extraction units of 3.500 TPD and 9.000 TPD soybeans.
			2013	Optimization study for Solvent Extraction unit of 8.000 TPD.
			2014	Basic and Detail Engineering for steam flash recovery in Solvent Extraction Plant of 8.000 TPD.
			2019	Optimization study of acid transesterification step for 10 TPB, common to both biodiesel units -each for 900 TPD. Study to evaluate the liquid effluents generation, it reduction and treatment in both biodiesel units –each for 900 TPD.
			2019 - 2020	Adequacy of Basic and Detail Engineering for steam flash recovery, including Zero effluent unit, in Solvent Extraction Plant of 8.000 TPD. Engineering for the reuse of water from the 3.200TPD solvent extraction tower in one of the condensers of the 8.000TPD solvent extraction. According to the analysis of data, it was concluded that improving ejectors it was possible to avoid modifying the water circuit. After changes the unit processes 8.500TPD. Reuse liquid effluents from lecithin Drying.
	2020		Solvent heater evaluation and zero effluent system in L#2 for 8.500TPD.	
	2014		Basic and detail Engineering to improve biodiesel Drying, including redesign of Dryer and vacuum unit.	
	2016		Optimization study for Solvent Extraction unit of 8.000 TPD.	
	2016 - 2017		Resizing indirect steam line to Toaster, and ejector specifications for Distillation in Solvent Extraction of 8,000 Ton/day of soybean. Basic Engineering for the implementation of a Special Degumming in Solvent Extraction of 8,000 Ton/day of soybean.	
	2017		Thermal verification and modifications in miscella/ crude oil economizer in Solvent Extraction of 8,000 Ton/day of soybean.	
2018	Technical audit for an accident in a miscella pump of Solvent Extraction of 8,000 Ton/day of soybean.			
2019	Actions to consider, and dimensional verification of vents, if a contingency occur that pressurize the systems in Solvent Extraction of 8,000 Ton/day of soybean.			
Servipack S.R.L.	Avellaneda	Santa Fe	2007	Report on Improvements of 150 TPD continuous biodiesel production unit and subsequent process adjustment to obtain a product conforming to international standards.
Tanoni Hnos. S.A.	Bombal	Santa Fe	1996	Technical Assistance in the Start-up of 120 TPD sunflower oil Polishing unit.
Terminal 6 Industrial S.A.	Puerto Gral San Martin	Santa Fe	2000	Technical Audit of Degumming section in order to establish responsibilities upon a guarantees claim.
			2002	Technical Assistance in soybean oil Degumming process of 6.500 TPD soybeans Extraction plant.
			2006	Technical Assistance in soybean oil Degumming process of 10.000 TPD soybeans Extraction plant.
Ucel - Asaga	San Jerónimo Sud	Santa Fe	2009 - 2010	Technical assistance for the implementation of a Crushing and Solvent Extraction pilot plant of 5 TPD.

Vicentin S.A.I.C.	Avellaneda	Santa Fe	2011	Detail Engineering for an acid residence reactor for the Refining of 250 Ton/day soybean oil.
	Ricardone		2015	Technical assistance for implementing cold Neutralization process for sunflower oil Refinery 250 Ton/day.
			2002	Technical Assistance in soybean oil Degumming process of 2 (two) 2.500 TPD soybeans Extraction plants.
			2003	Technical and Economic Prefeasibility study and subsequent Basic Engineering for the introduction of lecithin Drying of 10 TPD raw sunflower oil.
			2007	Development of an industrial process for the removal of solid particles from sunflower lecithin.
	San Lorenzo		2008	Industrial test of the Filtering of sunflower oil from presses for conditioning in order to produce lecithin.
			2003	Technical Assistance in Preparation and Solvent Extraction unit of 6.000 TPD soybeans.
Advanta S.A.	Lezama	Buenos Aires	2008	Technical assistance for the implementation of a partial Dewaxing of high stearic sunflower oil in the Refining unit of SEDA S.A.
Aom S.A.	Parque Industrial Pilar	Buenos Aires	2003 - 2005	Development of technology, Basic and Detail Engineering and preparation of purchase specifications for a 7 TPB toco and phytosterols concentration line. Project comprised development of Automation.
			2005 - 2006	Development of technology, Basic and Detail Engineering and preparation of purchase specifications for the Adaptation and Increase of Capacity of a 15 TPB Transesterification module (biodiesel production). Project comprised development of Automation.
			2007 - 2008	Development of technology, Basic Engineering and preparation of purchase specifications for a 150 TPD Transesterification module (biodiesel production).
			2008 - 2010	Development of Basic Engineering for the concentrate from liquid effluent evaporation of the Transesterification unit.
			2010	Technical Assistance in the 150 TPD biodiesel unit.
			2012	Optimization Study in Biodiesel unit of 150 TPD.
			2014	Optimization Study of methanol recovery system in Biodiesel unit of 150 TPD.
			2015	Study for the optimization of the glycerin treatment system in Biodiesel unit for 150 Ton/day.
			2016	Technical feasibility study for new oleochemicals.
			2017	Upgrade study in Sector 500 and tocopherols and phytosterols.
			2018	Basic Engineering for the optimization of the glycerin treatment system in Biodiesel unit for 150 TPD.
			2018 - 2019	Technical assistance in new industrial project in Valencia - Spain.
			2019	3D electronic modelation with material lists and isometrics, for full new industrial project in Valencia – Spain.
Aripa S.A.	Daireaux	Buenos Aires	2010	Technical Assistance in biodiesel production unit.
			2011	Basic and Detail Engineering for the enlargement of a biodiesel production unit of 150 Ton/day.
			2012 - 2016	Basic and Detail Engineering for the enlargement of biodiesel production unit, implementation of glycerin splitting, methanol recovery and effluent concentration for 200 TPD.
			2015 - 2016	First and second stage of automation including supply of SCADA and control boards, for unit processing 200 Ton/day of biodiesel.
			2016 - 2017	Third stage of automation including supply of control boards and SCADA, for glycerin treatment in unit of 200 Ton/day of biodiesel.
			2019	Fourth stage of automation including supply of control boards and SCADA, for oil pretreatment in unit of 200 Ton/day of biodiesel.

ATEC Ingenieros Consultores	Ramallo	Buenos Aires	1997	Design and Calculation of water, compressed air and natural gas piping for the LOMA NEGRA ECOCEMENTO project.
Bio Bahia S.A.	Bahía Blanca	Buenos Aires	2011 - 2013	Basic and Detail Engineering and Equipment including Start-up for the implementation of a biodiesel unit of 150 Ton/day.
Biobal Energy S.A.	Ramallo	Buenos Aires	2014 - 2017	Basic and Detail Engineering and Equipment including Start-up for the implementation of a biodiesel unit of 150 Ton/day.
Bio Bin S.A.	Junin	Buenos Aires	2011 - 2014	Basic and Detail Engineering and Equipment including Start-up for the implementation of a biodiesel unit of 150 Ton/day.
Bio Corba S.A.	Ramallo	Buenos Aires	2014 - 2017 2017 2020	Basic and Detail Engineering and Equipment including Start-up for the implementation of a biodiesel unit of 150 Ton/day. Basic and Detail Engineering and Equipment including Start-up for the implementation of a facilities consortium and crude oil pre treatment of 600 Ton/day. Basic Engineering for a sodium methylate Project for 30 Ton/day. Detail Engineering for services in a 100 Ton/day pharma glycerin unit. Feasibility study to obtain biodiesel by supercritical media.
Bio Madero S.A.	Villa Madero	Buenos Aires	2012	Optimization Study in Biodiesel unit for TPD.
Bio Ramallo S.A.	Ramallo	Buenos Aires	2011 - 2013 2013	Basic and Detail Engineering and Equipment including Start-up for the implementation of a biodiesel unit of 150 Ton/day. Feasibility study for a complex to process biodiesel for 600 TPD.
Bunge Argentina S.A.	Ramallo	Buenos Aires	2005 - 2006	Basic Engineering and Estimate of Investment costs for the Ramallo Industrial Project, including 1 (one) 5000 TPD Crushing module, 2 (two) 10000 TPD modules, 2000 TPD Refining, lecithin Drying and biodiesel production.
Calsa	Lanús	Buenos Aires	1998 2007 2012 2013 2014 2014 - 2015 2016 2014 - 2017 2016 - 2017 2018	Technical Assistance in 300 TPD Deodorization. Study for the implementation of alternative technical solutions to operate without economizer (in case of emergency) in Hydrogenation without altering production process. Evaluation and Diagnosis of hydrolysis problems in processed products of 300 TPD Deodorization. Technical and Economic Preliminary project to introduce a 60 TPD fat Refining line including Hydrogenation module, Fractionation, Packing Line, Tank Farm, Laboratory, Automation and Waste Water Treatment. Basic and Detail Engineering for high pressure steam piping system (70 Bar) in new Deodorization unit. Technical Assistance during the start-up and technical audit of Hydrogenation unit of 20 Ton/batch. Basic Engineering to adequate Tank farm to "zero trans" specifications. Technical assistance in Deodorization unit for 250 TPD of tallow. Detail Engineering for raw material tank farm. Technical assistance for interlocking and control systems of Hydrogenation and Post Bleaching, Fractionation, and semi continuous Deodorization. Technical audit in semi continuous deodorization unit 350 Ton/day. Basic and Detail engineering for post Deodorization blending farm tanks management system. Basic and Detail engineering in semi continuous deodorization unit 350 Ton/day. Basic engineering for new farm tanks management system in Hydrogenation and Inter esterification. Stakeout of Bleaching reactors in continuous tallow line for 300 TD.

			2019	Interlocking description for line blowing and tank emptying. Optimization study for vegetable oil neutro-bleaching line, for 300 TPD, including the investment order.
De Smet Ballestra	Lanús	Buenos Aires	1997	Technical Assistance in CALSA "Multistock" 300 TPD Deodorization.
Gensiroil S.A.	Bahía Blanca	Buenos Aires	2006	Technical Evaluation and indications for improvements of Solvent Extraction plant of 400 TPD sunflower seeds.
Inglese Consultores S.A.	Ullum	San Juan	1999	Technical and Sanitary Inspection of the project for olive oil Packing Plant for San Juan de los Olivos belonging to the ROEMMERS Group (Ullum - San Juan).
Molino Cañuelas S.A.C.I.F.I.A.	Cañuelas	Buenos Aires	2003	Technical Report of proposal equalization and supplier selection for a Deodorization unit of 200 TPD soybean/sunflower oil.
Molinos Río de la Plata S.A.	Avellaneda	Buenos Aires	2002	Technical Audit - Avellaneda plant- of Refining sector in order to reduce Losses.
Nidera S.A.	Junin	Buenos Aires	2006	Detail Engineering of sunflower oil Degumming equipment from the Press section.
			2006 - 2017	Basic and Detail Engineering for the Filtering of 960 TPD sunflower oil from Presses, Degumming, lecithin Drying (about 26 TPD) and Storage in inert atmosphere. The two last mentioned processes were performed following sanitary procedures of all elements as well as of their corresponding CIP circuits.
			2009 - 2010	Study for the global recovery of steam.
			2010 - 2011	Piping Engineering for the relocation of a 2150 TPD Solvent Extraction unit and Optimizations.
			2012	Technical assistance in the Start-up of a solvent extraction unit of 2150 Ton/day of soybean.
			2013	Technical assistance in Solvent Extraction Plant for 2.150 TPD of soybeans.
			2015	Optimization study for Solvent Extraction unit, Line#2 of 2.100 TPD of soybean/sunflower.
	2016		Replacement of steam traps in Toaster by condensate level control system in solvent extraction of 2,100 Ton/day of soybean.	
	2017		Detail Engineering for vegetable oil stripper, in Solvent Extraction of 2.100 Ton/day soybean.	
	2006 - 2007		Basic and Detail Engineering for the production of 240 TPD biodiesel from refined soybean vegetable oil and Storage in inert atmosphere.	
	2009 - 2010		Basic and Detail Engineering for the splitting of soapstock of a Neutralization of 20 TPD. Basic Engineering for the Bleaching of 300 TPD and Polishing as Dry Dewaxing of 400 TPD.	
	2010		Start-up Assistance, 400 TPD Cold Neutralization unit.	
	2011		Basic Engineering for the enlargement of Bleaching of 400 Ton/day.	
2016	Technical assistance for process adjustments and elimination of washing step in hot Neutralization unit for 300 Ton/day. Plant technical assistance to reduce phosphorus content on process streams that affect liquid effluent quality. Effluent rationalization.			
2017	Optimization study on Refinery unit for 300 Ton/day and 400 Ton/day.			
Refinar Bio S.A.	Ramallo	Buenos Aires	2014 - 2017	Basic and Detail Engineering and Equipment including Start-up for the implementation of a biodiesel unit of 150 Ton/day.
			2005 - 2006	Basic and Detail Engineering and preparation of purchase specifications for Physical Refining of 150 TPD animal fat. Project comprised Fractionation, Tank Farm and development of Automation.

Ris Bionutricion S.A.	Pilar	Buenos Aires	2007	Study for the adaptation to Physical Refining process with two daily product changes of a continuous De Smet 50 TPD Deodorization unit.	
			2008	Start-up of a Deodorization unit of 50 TPD.	
			2009 - 2011	Development of Basic Engineering and Automation for the continuous Bleaching process of tallow of 150 TPD.	
			2014	Developing of Basic and Detail Re Engineering for continuous Bleaching of tallow for 190 TPD.	
			2016	Development of Basic Engineering for continuous deodorization process 150 Ton/day. Detail Engineering for alternative use of washing decanters for tallow, as neutralization or hydration reactors.	
			2017	Mounting Verification and Start up of a Bleaching unit for tallow of 190 Ton/day.	
			2017 - 2018	Development of Detail Engineering for continuous Deodorization for 150 Ton/day. Development of Basic and Detail Engineering for a continuous Cold and Hot Neutralization for 150 Ton/day.	
			2018	Detail engineering for a multi use reactor for 10 Ton. Study and Detail engineering for steam flash recovery of condensates. Detail engineering for condensate tank in Deodorization, and P&ID modification.	
			2019 - 2020	Basic engineering for hot water heating of tanks. Basic and Detail engineering for new farm raw material tanks. Engineering modifications for P&ID adaptation and 3D model of the 150TPD Deodorization. Constructive engineering of a condensate collection tank for a new tank farm of raw material.	
			2020	Engineering for the adaptation to process oils in Deodorization of 150TPD tallow. Capacity increase of Fractionation and membrane filter incorporation. Study of steam distribution and condensate recovery, according future units to implement. Technical assistance for commissioning of the Deodorization unit of 50 Ton/day, and adjustments to the Hydrogenation unit of 5 Ton/batch.	
	La Plata		2016	Generation of P&ID diagrams of the units of Deodorization, Hydrogenation, Interesterification and Fractionation protocols, and indication of improvements.	
			2020	Technical assistance to implement process and quality improvements.	
Rivara S.A.	Alberti	Buenos Aires	2011	Feasibility study for the implementation of a Degumming and lecithin Drying.	
Oleaginosa Moreno Hnos S.A.	Bahía Blanca	Buenos Aires	1996	Technical Economic Study for the manufacturing of mayonnaise. Olive oil market. COI legislation summary. Guidelines for analysis.	
			2004	Check- list preparation for the evaluation of Refineries. Study on the effects of pesticides on sunflower vegetable oils produced in Argentina.	
			2005 - 2006	Technical Analysis and study of Investment Feasibility of biodiesel production plants. Technical Evaluation of GRAINER S.A. Refinery for sunflower oil processing.	
				2006	Technical Analysis of adaptation of special Degumming of 350 TPD Solvent Extraction plant in Daireaux for the Pretreatment of oil to feed a biodiesel unit.
	Parque Industrial Pilar			2009	Technical Evaluation of Refining for sunflower oil processing.
	Quequén			2015	Technical assistance for the implementation of product changes to minimize downtime and contamination between charges, in Refinery of 150 Ton/day.
			2008	Feasibility Study for the Drying and Filtering of sunflower oil from Presses, Degumming and following lecithin Drying and Storage.	

Oligra S.A.	Quilmes	Buenos Aires	2008	Investment feasibility study for Refinery unit.
	Berazategui	Buenos Aires	2020	Virtual assistance for operational optimization in a 150TPD refinery. Was possible to reduce reagents consumption, increase capacity and eliminate the washing stage.
Termo Plásticos del Sur S.A.	Burzaco	Buenos Aires	2013	Feasibility Study of investment in Epoxidized oil unit.
Woerh S.A.	Matheu	Buenos Aires	2011 - 2015	Extended Basic Engineering for the Pretreatment project of soybean oil of 150 Ton/day – complementary to a biodiesel unit- to be assembled on skid for COUSA, including Start-up.
			2012 - 2020	Extended Basic Engineering for soybean oil Refinery project of 150 Ton/día to be assembled in Greater Buenos Aires, including Start-up.
			2014	Detail Engineering for packed column and scrubber for 150 TPD of tallow in Physical refining.
			2017	Detail Engineering for a batch Bleacher for 10 Ton/batch in Interesterification.
Asociación Argentina de Biocombustible e Hidrógeno	C.A.B.A	Capital Federal	2010	Technical evaluation report of a Biodiesel unit.
Gente de la Pampa S.A.	Catriló	La Pampa	1997	Modifications of 90 TPD continuous Deodorization. Final acidity was reduced from 0.08% to 0.02% expressed as oleic acid. Study for the staged Optimization of 300 TPD sunflower seeds Solvent Extraction and 90 TPD Deodorization including Estimate of Investment Costs.
			1998	Detail Engineering for the first stage of modifications in Solvent Extraction. Steam consumption was reduced in 100 Kg. per ton of processed material and solvent consumption was reduced in 4 lts. per ton of processed material. Evaluation of an Olein Plant to indicate operating improvements to be introduced in order to optimize performance and to ensure minimal quality standards.
			2002	Modifications of 90 TPD continuous Neutralization in order to operate with soybean oil.
			2003	Introduction of a gas washer in Deodorization process for the recovery of distillates.
			2004 - 2005	Detail Engineering for the Expansion and Revamping of Solvent Extraction plant. This plant is currently processing 400 TPD sunflower seeds.
			2006 - 2008	Evaluation of Refining unit indicating improvements to be introduced in order to optimize and increase production capacity to 130 TPD.
			2010 - 2014	Basic and Detail Engineering with Start-up for Expansion and Revamping in oil Refinery, implementing cold Neutralization and Bleaching for 180 TPD.
			2011	Basic and Detail Engineering with Start-up for the implementation of a Pretreatment for 150 TPD biodiesel unit.
			2012	Technical specification for the building of a new Toaster in Solvent Extraction of 400 TPD of sunflower seeds.
			2014	Technical specification for the building of a new Toaster in Solvent Extraction of 600 TPD of soybean.
			2014 - 2015	Technical specification for the building of a new Toaster in Solvent Extraction of 600 TPD of soybean.
			2016	Technical assistance to reduce solvent losses in Solvent extraction unit of 400 Ton/day of soybean.
			2017	Detail Engineering for heat exchangers modification in Solvent Extraction unit of 400 Ton/day of soybean. Study for the staged Optimization of 600 TPD soybean Solvent Extraction, with investment order.
2018	Technical evaluation of Solvent Extraction Plant for 600 TPD of soybean. Study about losses control in Refinery for 180 TPD. Feasibility study for an enzymatic acid oil unit.			

			2019	Basic engineering for improvements in Solvent Extraction Plant for 600 TPD of soybean. Basic and detail engineering to incorporate a new vegetable oil Stripper in Solvent Extraction Plant for 600 TPD of soybean. With main equipment supply.
			2020	Technical assistance for start-up of a sunflower lecithin drying unit for 1,5 TPD. Study for improvements in oil cooling system for Dewaxing and post Deodorization. Technical assistance for process adjustments of Soapstock splitting unit for 8TPB.
Enre S.A.	Catriló	La Pampa	2011	Basic, Detail Engineering and equipment with Start-up for implementation of 150 TPD biodiesel unit.
			2012	Technical Assistance in the optimization of biodiesel unit.
			2017 - 2019	Technical Assistance in biodiesel unit.
Fedea S.A.	General Pico	La Pampa	2009	Evaluation of relocation of a Solvent Extraction unit.
Ici Argentina S.A.I.C.	Palmira	Mendoza	2001	Technical Assistance to analyse complaints of opalescence in grape seed oil Refining of 16 TPD. Existing process was revised and adapted to new alternatives which allowed to obtain oil suitable for the market within the 24 hours following the introduction of modifications.
			2002	Technical Evaluation and Industrial Security inspection of 70 TPD grape seed oil Solvent Extraction unit.
			2003	Prefeasibility Investment study of a grape seed oil Refinery.
Derivados Vínicos S.A.	Palmira	Mendoza	2011	Technical Assistance in Solvent Extraction unit.
Gama S.R.L.	San Juan	San Juan	2005 - 2009	Engineering for Revamping and Start-up of an olive oil Refinery.
Tupelí S.R.L.	San Juan	San Juan	2007 - 2009	Engineering for the introduction and Start-up of a biodiesel production unit using recovered oil as raw material.
Diaser S.A.	Villa Mercedes	San Luis	2015 - 2016	Technical assistance for diagnosis and optimization of production unit of 250 m3/day of bioethanol based on corn grain.
			2016	Conceptual engineering to dry WDGS (Wet Distillers Grains with Solubles) in unit 250 m3/day of ethanol.
			2016 - 2018	Complementary Engineering to introduce Evapo Distillation, in unit of 250 m3/day of bioethanol.
			2017 - 2018	Complementary Engineering to introduce Evapo Distillation, in unit of 250 m3/day of bioethanol.
Esra S.A.	San Luis	San Luis	2009	Technical Assistance in biodiesel production unit.
			2009 - 2012	Basic and Detail Engineering for the enlargement of a biodiesel production unit, implementation of glycerine splitting, methanol recovery and effluent concentration of 320 TPD.
Compañía Argentina de Aceites S.A.	Lucas Gonzales	Entre Ríos	2009	Technical Assistance in Solvent Extraction unit.
			2009 - 2010	Basic and Detail Engineering for solvent recovery in Solvent Extraction unit.
Maikop S.A.	Cutral Co	Neuquen	2010	Basic, concept and extended Engineering for a 120 TPD raw soybean oil processing unit to obtain biodiesel.
Viluco S.A.	Frías	Santiago del Estero	2018	Study for the staged Optimization of 600 TPD biodiesel unit, with investment order.

BOLIVIA

Company	City	Province	Year	Works Done
Alfa Laval S.A.I.			1999	Technical Assistance during execution of guarantees of 300 TPD Refinery for ADM-SAO.
Industrias de Aceite Fino S.A.	Santa Cruz		2004	Technical Audit of soybean Crushing plan.
	Cochabamba		2004	Technical Audit of Refining, Hydrogenation and margarine plant.
			2005	Specifications for the adaptation of Deodorization plant.
			2013	Technical assistance in Refinery.
			2014	Detail Engineering for oil – earth mixers for Bleaching for 250 TPD.

BRAZIL

Company	City	Province	Year	Works Done
Alfa Laval Ltda.	Alto Araguaia		2004	Start-up of 600 TPD Refinery for the COINBRA project.
	Anápolis		2008	Start-up of a Pretreatment for the production of 600 TPD biodiesel for the AGRECO Project.
	Araucaria		2005	Technical Assistance in 400 TPD Deodorization process for the BREJEIRO project.
	Barra Do Bugres		2004	Process adjustments of 600 TPD Refinery for the IMCOPA project.
	Cambé		2006	Start-up of 180 TPD Pretreatment for the BARRALCOOL project.
			2008 - 2009	Piping Engineering in Neutralization, Bleaching and Deodorization processes with stress analysis of large size gas ducts of 500 TPD for the IMCOPA Refinery project.
	Jaguaré		2002 - 2003	Engineering, preparation of purchase specifications and Start-up of the BUNGE Alimentos S.A. project for: 1 (one) Hydrogenation and Post Treatment line of 30 TPB, 2 (two) Hydrogenation and Post Treatment lines of 15 TPB, and one Interesterification line of 10 TPB. Project comprised development of Automation and Start-up.
	Ponta Grossa		2004	Start-up of 600 TPD Refinery for the COINBRA project.
	Poso do Caldas		2005	Basic Engineering and Calculation of 4 TPB vegetable fat Deodorization for the FERRERO ROSCHER project.
Rio Verde		2005	Process adjustments of 600 TPD Refinery for the CARGILL project.	
Caramuru Oleos Vegetais	Itumbiara		2000	Technical Assistance to analyse complaints of bitter flavour in sunflower oil Refining of 450 TPD (2000). Process stages were reorganized and operating parameters were modified to obtain oil free from bitter flavour in less than 24 hours.
			2010	Tecnical Evaluation of Solvent Extraction installation.
			2011	Tecnical Evaluation of Solvent Extraction installation.
Nidera S.A.	Salvador de Bahía		1998	Technical and Industrial Security evaluation of 150 TPD Solvent Extraction of castor beans for Boley do Brasil Óleo de Mamona Ltda.
Oleaginosa Moreno Hnos. S.A.			1996	Technical Evaluation and Investment Feasibility study of vegetable oil Refineries located in Brazil.

CHILE

Company	City	Province	Year	Works Done
Vinicas S.A.	Talca		2008	Technical evaluation of Solvent Extraction installation.

CHINA

Company	City	Province	Year	Works Done
Alfa Laval Shanghai Technologies Co. Ltd.	Zouping		2008	Start-up of a corn oil Refining unit of 300 TPD for the SANXING OIL Project. Adjustments to the process in corn oil Deodorization unit of 300 TPD of the SANXING OIL Project.

COLOMBIA

Company	City	Province	Year	Works Done
Alfa Laval Ltda.	Barranquilla		2007	Technical Assistance in Refineries of GRUPO LLOREDA.
	Cali		2007	Technical Assistance in Refineries of GRUPO LLOREDA.

SOUTH COREA

Company	City	Province	Year	Works Done
Alfa Laval Copenhagen A/S	Pyeongtaek		2004	Technical Assistance and Start-up of Bleaching and Deodorization processes of 250 TPD and seven product changes for OTTOGI RAMYON Corp.
Glencore			2016	Technical assistance on Refinery of Daekyung Oil & Trans. Co, in Yangshan.

DENMARK

Company	City	Province	Year	Works Done
Alfa Laval Copenhagen A/S	Sooborg		2006	Technical Assistance in the development of a 900 TPD semi- continuous deodorizer.
			2008	Design of thermosiphons and high pressure piping for semicontinuous Deodorizers of 500 TPD for the ILYICHEVSK-UKRAINE project.

UNITED ARABE EMIRATES

Company	City	Province	Year	Works Done
Al Ghurair Group	Dubai		2006	Study for the Optimization of 300 TPD Refining of rapeseed, sunflower, soybean and corn oils including detection of process limitations and Estimate of Investment Costs.

SPAIN

Company	City	Province	Year	Works Done
Alfa Laval Copenhagen A/S	Cuenca		2006 - 2007	Technical Assistance in 150 TPD Neutralization and Dewaxing processes for BIODIESEL DE CUENCA S.A.
Tecnicas Reunidas S.A.	Madrid		2007	Technical report of 150 TPD biodiesel Pretreatment unit for BIODIESEL DE CUENCA S.A. project.
AOM S.A	Valencia		2018 - 2020	Technical Assistance in new industrial project in Valencia - Spain.
AOM S.E	Valencia		2019 - 2020	3D electronic model with piping material lists and isometrics, for full new industrial project in Valencia - Spain.

FRANCE

Company	City	Province	Year	Works Done
Gerico	París		2001	Engineering revision and preparation of purchase specifications for a sunflower seed processing plant to be installed at Stavropol, Russia for the Louis DREYFUS Group. Specifically, works comprised Physical Refining and Waste Water Treatment sections. Project comprised development of Automation architecture as well.

GUATEMALA

Company	City	Province	Year	Works Done
Suprema S.A.			1999	Analysis for the introduction of 15 TPD palm-kernel oil Solvent Extraction line and Waste Water Treatment.

INDIA

Company	City	Province	Year	Works Done
Ruchi Group	Indore		2008	Technical report of Solvent Extraction and vegetable oil Refining plants in the following cities: Indore, Kota, Nagpur, Gadarwara, Pipariya and Baran.
Alfa Laval India Limited	Pune		2008 - 2009	Technical assistance in Solvent Extraction for the KS OIL project.

Avi Agri Group	Ujjain		2017	Optimization Study for Solvent Extraction units for 800 Ton/day of soybean, and Flash De Solventization for 540 Ton/day.
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ITALY

Company	City	Province	Year	Works Done
Bunge Italia Sp	Ancona		2006	Inspection of Solvent Extraction and vegetable oil Refining equipment.

LEBANON

Company	City	Province	Year	Works Done
Diyarna	Beirut		1996	Technical Assistance in the installation of 50 TPD sunflower oil Dewaxing.

PARAGUAY

Company	City	Province	Year	Works Done
Alcoholera San Luis S.A.	Katuté		2017 - 2018	Study for optimization and production increase in bioethanol unit from corn.
			2018	Technical assistance for operative improvements in bioetanol unit from corn grain.

PERU

Company	City	Province	Year	Works Done
Inca Oil S.A.	Ica		2008	Technical Assistance in Press extraction and pre Refining of jojoba oil.

POLAND

Company	City	Province	Year	Works Done
ZAKLADY Tłuszczowe w Bodaczowie Sp. z o.o.	Bodaczów		2019	Optimization study in Degumming unit for 600 TPD, and Refinery for 200 TPD, with investment order.

RUSSIA

Company	City	Province	Year	Works Done
Alfa Laval Copenhagen A/S	Labinsk - Krasnodar		2001	Technical Assistance and Start-up of a special cold Degumming process for wax and phospholipids removal in sunflower oil of 200 TPD Refinery for RUSKAJA BAKALEJA.

UKRAINE

Company	City	Province	Year	Works Done
Alfa Laval Copenhagen A/S	Llyichevsk		2007	Technical Assistance and Start-up of Neutralization, Bleaching, Deodorization, Hydrogenation, and Interesterification pilot units for ILYICHEVSK OIL & FATS INDUSTRIAL COMPLEX.

URUGUAY

Company	City	Province	Year	Works Done
Alfa Laval S.A.I.	Montevideo		1999 - 2001	Engineering revision and preparation of purchase specifications of 250 TPD Softcolumn™ Bleaching and Deodorization and 5 TPB Hydrogenation and Post Treatment for the COUSA Project . Works comprised also development of Automation, plant supervision and Start-up.
Alur S.A.	Montevideo		2011	Analysis of technical specifications and quote analysis for new biodiesel production unit of 50.000 Ton/year.
Cousa	Montevideo		2008 2009 2012 - 2013	Feasibility Study for the new Crushing unit and Solvent Extraction of sunflower and soybean seeds. Technical Assistance for a sunflower seeds Crushing and Solvent Extraction unit. Basic and Detail Engineering for related services in new Crushing and Solvent Extraction unit.

USA

Company	City	Province	Year	Works Done
Bionerg S.A.	Dewitt - Arkansas		2006 - 2007	Basic and Detail Engineering of Degumming and Drying unit of 50 TPD soybean oil from mechanical Pressing for the ARKANSAS SOYENERGY GROUP LLC project.

VENEZUELA

Company	City	Province	Year	Works Done
Alfa Laval Ltda.	Turmero		2008	Technical assistance in Deodorization unit of 200 TPD for the REMAVENCA Project.
Coposa S.A.	Acarigua		2012	Technical report of 3 (three) soybean, sunflower and palm Refining units. Technical report of 2 (two) soybean and sunflower Solvent Extraction units.
			2017	Remote on line technical assistance, at Refinery units for vegetable oils.
Oleaginoso Moreno Hnos S.A.	Aricagua		2016	Technical assessment of the COPOSA industrial complex.
			2017	Technical assistance in crude oil analysis for export to South Korea. Conceptual technical assistance for oleine production process.