

Nº	Customer (Order)	City (State)	Supply Description	Year
1.	Companhia de Saneamento do Pará – COSANPA (E-17036)	Belém, Ananindeua and Marituba (PA)	Execution of works and services, including the supply of materials and equipment for the revitalization and modernization of the Bolonha Producer System for total production of 6.4m ³ /s and expansion of the Reservation System in the Municipality of Belém and adduction of treated water in the Municipalities of Ananindeua and Marituba .	2017
2.	Companhia de Saneamento do Pará – COSANPA (E-17004)	Alenquer (PA)	Execution of works and services and supply of materials and equipment for the expansion of the Water Supply System of the Municipality of Alenquer, State of Pará, including the development of the executive project composed of: water captation with eight wells with production of 65 m ³ /h each. Raw Water Elevatory (EAB). Raw Water Pipeline (AAB). There will be eight raw water pipelines, which will transport water from the wells to the ETA prefabricated in PVC DEFOFO Nominal Diameter: 150 mm and 250 mm. Treatment Station (ETA). Flow rate Q = 520 m ³ /hour.	2017
3.	Companhia de Saneamento do Pará – COSANPA (E-17003)	Oriximiná (PA)	<p>Execution of works and services to expand and improve the water supply system of the city of Oriximiná, State of Pará, including the readjustment of the executive project.</p> <p>Construction of the catchment structure in the Trombetas river, implementation of the raw water pipeline between the catchment and the ETA 3, implementation of the water treatment plant with capacity to treat 90 l/s (1st module), supported reservoir construction with capacity of 500 m³ (first cell), construction of the pump station that will receive the “washing” station and the treated water station, construction of a 500 kVA electrical substation, 208 m³ backed tank reform and existing pump station, Settlement of 3,072 meters of water distribution network. Also included in the scope of delivery are the execution of 512 hydrometric domiciliary connections, implantation of macro measure and implementation of the automation system. In the second stage, the scope includes the expansion of the capture of raw water in the Trombetas river, implantation of 1,872 m of treated water pipeline, installation of a (01) lift station inside the pump station, implementation of a compact water treatment plant (2nd module) with capacity also of 90 l/s, construction of 02 elevated reservoirs, being one of 500 m³ in sector 2 and one of 300 m³, construction of 01 reservoir supported of 500 m³ (second cell), reform of the building Of the existing administration, establishment of 58,051 meters of water distribution network, execution of 7,535 hydrometric domestics connections, implantation of macro measure and implementation of the automation system.</p>	2017
4.	Cia de Água e Esgotos de Brasília – CAESB (E-17021)	Brasília (DF)	<p>Ultrafiltration System for the North Lake, composed of:</p> <p>Uptake and pumping of water: Using 4 sets of submersible pumps, mounted on floating device, with capacity for a flow between 700 and 850 l/s, connected to the treatment unit;</p> <p>Water treatment unit: Using the ultrafiltration process for the treatment of a constant flow of 700 l/s;</p> <p>Treated water overhang: Using 4 sets of centrifugal pumps, connected to the existing pipeline on MI 04 of Lake North.</p>	2017
5.	Technip (E-16020)	Cubatão (SP)	Supervision service for the commissioning during 30 days.	2016

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6.	Cia de Água e Esgotos de Brasília – CAESB (E-15258)	Brasília (DF)	<p>Execution of civil works and services for an Intake of Treated Water System from Corumbá System, including the execution of the treated water Pumping Station Valparaíso 01-EAT.VLG.001 (EAT 02) and the Treated Water pipeline AAT.SMA.050 (AD-02) and the development of the Executive Project.</p> <p>Pumping Station Valparaíso 01 – EAT.VLG.001 (EAT-02)</p> <p>1ª Stage: (Constructed area - 1800 m²)</p> <p>Flow rate: 1,4 m³/s - 2,8(End of plan)</p> <p>Manometric height: 265,75 mca</p> <p>Number of pumps: (2+1) units (Flow 0,7 m³/s; Pot= 3700CV)</p> <p>Treated Water Pipeline – AAT.SMA.050 (AD-02)</p> <p>Pipeline specification: carbon steel tube Ø 1.300 mm 13.093 m</p>	2106
7.	Sociedade de Abastecimento de Água e Saneamento – Sanasa (E-15068)	Campinas (SP)	<p>Execution of civil work and Construction of the Sewage Treatment System - ETE BOA VISTA, with MBR – Membrane Bioreactor technology, including an Ultrafiltration System, submerged membranes type (hollow fiber), with capacity of 180 l/s, including the execution of works and assisted operation of ETE BOA VISTA, execution of the crossing of the sewer interceptor at the Anhanguera/Bandeirantes roads, in Campinas/SP.</p>	2016
8.	Fíbria – Três Lagoas (E-16024)	Três Lagoas (MS)	Mechanical grid for pre treatment	2016
9.	Companhia Siderúrgica Nacional – CSN (E-14118)	Duque de Caxias (RJ)	Reuse System of the Cooling water from Carboquímicos area involving Basic design, supply, fabrication, civil works and electromechanical assembly. The system consists of 4 cells of cooling towers with capacity of 4.500 m ³ /h, pump station, piping, valves, pipe rack and tanks to cooling of heat exchange of Carboquímicos area. Including electric design and infrastructure with electro-centers.	2015
10.	Eldorado do Brasil (E-15248)	Três Lagoas (MS)	Driving shaft of the primary sludge removal unit.	2015
11.	Klabin (E-15244)	Ortigueira (PR)	Installation/Erection supervision.	2015
12.	Eldorado (E-15183)	Três Lagoas (MS)	Provision of 01 driving shaft of the sludge removal. Piece replacement.	2015
13.	Klabin (E-14468)	Ortigueira (PR)	Material provision and revamp supervision of the Secondary Removal.	2015
14.	Companhia Siderúrgica Nacional – CSN (E-15004)	Volta Redonda (RJ)	Electromechanical assembly for water collection system at the raw material area (PMP).	2015
15.	Companhia Siderúrgica Nacional – CSN (E-14237)	Volta Redonda (RJ)	<p>Revamp of the rainwater collecting system at ETE-PMP - Raw Material Area:</p> <p>Engineering, procurement, equipment such as pumps (flow 3600 m³/h), pH correction system, electric panels. Drainage System design and construction. Revamp of an existing tank</p> <p>Required suspended Solid at the outlet: below 100 mg/l</p>	2015
16.	Klabin (E-14251)	Ortigueira (PR)	Spares Parts for ETE - PUMA Project	2014

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17.	REDUC (E-13249)	Duque de Caxias (RJ)	Supply of goods and services for completing the basic and detailed design, civil works, electro-mechanical assembly, commissioning, start-up and assisted operation until the delivery the waste water within the specifications, for the new REDUC Industrial Waste Treatment Plant (ETDI), the delivery time is 1170 days, with an operation capacity of 533 m ³ /h (nominal) and 800 m ³ /h (maximum rate).	2014
18.	Petrobras – UO-ES (E-14074)	São Mateus (ES)	Supply of 3 Softeners (50 m ³ each), system to treat water for the steam generator at Inhabú Field and Cancã Field.	2014
19.	Toyo-Setal Petrobras – UFN V (E-14182)	Uberaba (MG)	<ul style="list-style-type: none"> - Supply of a WTP using decantation/settling tanks and sand filters technique, with a capacity of 500 m³/h. Including the generated slurry mechanical dehydration at WTP. - Demineralization unit composed by three anionic and cationic exchange beds, one as standby, with a treatment capacity of 180 m³/h. Polishing unit with two mixed beds, one as standby, with a capacity of 320 m³/h. Including chemical systems for regeneration and generated waste water neutralization. - WWT unit composed by grating, equalization tank and two compact biological treatment stations, with a total capacity of 4.5 m³/h of sewage. - Oiling water treatment unit composed by a corrugated plates oil-water separator with a capacity of 25 m³/h of wastewater. 	2014
20.	Sanepar (E-14105)	Curitiba (PR)	Services for the expansion with the supply of equipment, to Belem's Wastewater Treatment Station assembly. Increase flow from 1.250 l/s to 2.500 l/s. The scope of supplying includes the Primary reform, with screw pumps, sand boxes, lock-gates and thickening system.	2014
21.	Prefeitura de Pelotas (E-13287)	Pelotas (RS)	Supply of the new São Gonçalo's Water Treatment Plant of 500 l/s, including pump station, raw water intake pipeline of 800 mm, conventional Water Treatment plant, flow 500 l/s obeying to all units operations of a conventional plant, and treated water pipeline of 7 km diameter 800 mm until reservation system.	2014
22.	Klabin (E-14002)	Ortigueira (PR)	Engineering services for the project of Wastewater Treatment Stations from PUMA project.	2014
23.	Klabin (E-14003)	Ortigueira (PR)	Assembly, commissioning and field training for the Project of Wastewater Treatment Stations from PUMA Project	2014
24.	Klabin (E-14199)	Ortigueira (PR)	Operation for Water and Wastewater treatment plants for the jobsites to Puma Project.	2014
25.	Klabin (E-14088)	Ortigueira (PR)	Wastewater Treatment Plant, designed capacity for 5400m ³ /h and maximum hydraulic capacity 5900 m ³ /h according steps below: <ul style="list-style-type: none"> - Screening; - Primary treatment; - Neutralization; - Cooling Tower; - Aeration Tank; - Secondary Treatment; - Tertiary Treatment (Flocculation and Flotation); - Dewatering System (Primary, Secondary and Tertiary sludge's). 	2014
26.	Sabesp (E-13173)	Bertioga (SP)	Supply and Installation of Membrane Ultrafiltration System with capacity of 100 l/s for the Indaiá/Bertioga WTP (Water Treating Plant) at Santos Region Businesses Unity.	2013

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27.	Ambev (E-13050)	Uberlândia (MG)	Supply of industrial wastewater treatment plant (capacity: 612 m ³ /h), includes: - Raw wastewater lift station; - Static Screens; - Equalization tank; - Anaerobic reactor high rate with external recirculation; - Flare unit for Methane control. Complementary Aerobic treatment system: - Aeration tank; - Secondary decanters; - Settling; - Sludge dewatering system.	2013
28.	Petrobras / UO-RNCE (E-12212)	Mossoró (RN)	Supply of Nutshell filling material: grained from 12 to 20 mesh and 20 to 30 mesh for a filtration system.	2012
29.	Petrobras / UFN III Consórcio Queiroz Galvão / Sinopec (E-11102)	Três Lagoas (MS)	Supply of Water, Wastewater and Sanitary Sewage systems, which includes: - Selfcleaning filters; - Anionic Exchanger; - Cationic Exchanger; - Mix bed; - Sodium Metabisulphite dosing system; - Caustic Soda dosing system; - Potabilization unit; - Sodium hypochlorite dosing system; - Oil / water separator; - Sewage lift station. Our scope also includes equipment integration, technical assistance, commissioning and start-up.	2012
30.	Petrobras / UFN III Consórcio Queiroz Galvão / Sinopec (E-12192)	Três Lagoas (MS)	Provision of Design Engineering, supervision and technical assistance, commissioning and start-up for a water and wastewater treatment plant.	2012
31.	Petrobras / RPBC Consórcio Tomé / Technip (E-10283)	Cubatão (SP)	Supply of 02 pre-coat filter (design pressure of 6,9 Kg/cm ²) and auxiliaries items for a condensate conditioning system.	2012
32.	OSX Brasil (E-11002)	São João da Barra (RJ)	Utilities Center supplied in B.O.T. model, with 15 years operation time, consisting of: - Water treatment station (capacity of 130 m ³ /h); - Sanitary wastewater treatment station (capacity of 130 m ³ /h); - Industrial effluent treatment station (capacity of 70 m ³ /h); - Waste Management unit of the plant, with capacity to meet all shipyard production.	2012
33.	MPX Geração de Energia S.A. (E-12080)	São Luis (MA)	Assisted operation services and maintenance of clarification water plant and pumping station.	2012
34.	Petrobras / UTE Baixada Fluminense Skanska (E-11194)	Seropédica (RJ)	Supply of equipments, engineering and assembly supervision from the water treatment system and demineralization. The system includes: - Water Treatment Plant: 750 m ³ /h; - Sand filter : 30 m ³ /h; - Demineralization by ion exchange: 25 m ³ /h.	2012
35.	Petrobras / Reduc (E-12019)	Duque de Caxias (RJ)	Assisted operation service of the water treatment plant PLANGÁS (U-1326) in Duque de Caxias Refinery - UO-REDUC.	2012

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36.	Gerdau Açominas (E-11174-03-L)	Ouro Branco (MG)	Providing design, manufacturing, equipment, materials, construction and electromechanical assembling of a Sludge Dewatering System from the Water Treatment Station under "Turn-Key".	2012
37.	Petrobras Comperj Consortio TUC Construções S.A. (E-09170)	Itaboraí (RJ)	Supply of materials, equipment and services of the basic and executive project, commissioning, construction supervision and electromechanical assemblies, support for pre-operation, and even training for operation and maintenance of the water treatment of COMPERJ center utilities, which comprises: Water Treatment Station: - U-5122 Pre-treatment and Reversal Osmosis Unit; - U-5123 Demineralized Water Treatment Unit; - U-5124 Storage Water Unit. Wastewater Treatment Station: - U-5331 Primary Treatment for Effluent Unit (SAO); - U-5332 Secondary Treatment for Biological Effluent Unit.	2012
38.	Petrobras / RPBC Consortio Tomé / Technip (E-10267)	Cubatão (SP)	Equipment supply, engineering and erection supervision for the demineralization system by ion exchange with a flow rate of 200 m ³ /h using a compact heat exchangers bed type. The system consists of: - Cationic exchangers; - Decarbonated tower; - Anionic exchanger; - Mixed beds; - Chemical dosing.	2011
39.	Vale Alpa Paul Wurth (10111)	Marabá (PA)	Provision of basic engineering for "WTP", water treatment plant for blast furnace washing gas, including degassing tank, clarifier, vacuum filters, cooling tower and set of pumps, metering pumps and chemical set instrumentation / automation package.	2011
40.	Vale Alpa Paul Wurth (10111)	Marabá (PA)	Provision of basic engineering from the detection system, alarm and fire fighting in the electrical rooms and local control rooms, as well as providing the basic engineering for the ventilation system and air conditioning for the Hydraulic rooms, electrical rooms and local control rooms for the blast furnace area.	2011
41.	Vale Alpa SMS (11009)	Marabá (PA)	Provision of basic engineering for the supply of "Intensive Slab Cooling System", cooling plant for the slabs casting, separating the scale, conditioning the water with filters and cooling tower for reuse.	2011

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42.	Arcelor Mittal Monlevade	Monlevade (MG)	Equipment Supply and Engineering for all water treatment systems in the duplication project to Usina João Monlevade with capacity ranging from 1.2 million tons of steel per year to 2.4 million tons of steel per year. Supply consists of: <ul style="list-style-type: none"> - Water recirculation system of gas washing from Steelmaking LD; - Recirculation water system of new contact circuit from continuous casting machine; - Recirculation water system of new contact circuit from wire rod mill ; - Water recirculation system of gas washing from Blast Furnace gas B; - Water recirculation system of no contact circuit from LD Steelmaking; - Water recirculation system of no contact circuit from new continuous casting machine; - Water recirculation system of no contact circuit from wire rod mill; - LD secondary cooling system; - Make up system of demineralized water; - Water recovery Station; - Industrial Water supply system for sintering; - Make-up system of filtered water for all Steel Mill circuit's. 	2010
43.	Rio Turbio (E-10100)	Santa Cruz (Argentina)	Desmineralization Water Plant for boiler, consisting in Reversis Osmosis and Eletrodeionization and Industrial Waste Water Treatment Plant to Rio Turbio Power Plant (2 x 120 MW)	2010
44.	MPX Geração de Energia S.A. (E-09280)	São Luis (MA)	Clarification of Seawater (700 ppm suspended solids) for thermal power plant (360 MW ITAQUI PORT) including: <ul style="list-style-type: none"> - 2 Clarifiers (total outflow capacity 2,500 m3/h); - 2 Centrifuges; - Screens; - Chemical Dosing. 	2009
45.	Petrobras / Rnest (E-08239)	Ipojuca (PE)	Supply of Water and Condensate Treatment Plants for Refinery Abreu e Lima – RNEST under EPC (Engineering Procurement and Construction) contract (“turnkey” job). <p>Water Treatment Plant:</p> <ul style="list-style-type: none"> - Flotofilter; - Sludge Dewatering System. <p>Water Reuse:</p> <ul style="list-style-type: none"> - Clarifier; - Activated Carbon Filter System; - Electrodyalisis Reversal; - Demineralization System by Ion exchange. <p>Condensate Treatment Plant:</p> <ul style="list-style-type: none"> - Coalescent filters; - Precoat filters; - Activated Carbon filters; - Mixed beds. 	2009

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46.	Petrobras / Repar (E-07170)	Araucária (PR)	<p>Supply of Water / Condensate Treatment Plants and auxiliary systems for the Gasoline and Coke/HDT units for Refinery Presidente Getúlio Vargas - REPAR under EPC (Engineering Procurement and Construction) contract ("turn-key" job).</p> <p>Water Treatment Plant 1: - Flotofilter; - Sludge Dewatering System.</p> <p>Water Treatment Plant 2 and 3 (Reuse): - Flotofilter; - Activated carbon filter system; - Electrolysis Reversal; - Demineralization System by Ion exchange.</p> <p>Condensate Treatment Plant: - Coalescent filters; - Precoat filters; - Activated Carbon filters; - Mixed beds.</p>	2008
47.	Petrobras / Revap (E-06147)	São José dos Campos (SP)	<p>Detailing Project Engineering Services, supply of equipment and materials, construction, manufacturing, and electromechanical assembly, testing, pre-commissioning, assistance to commissioning, start-up and operation aiming to increase on the Modernization of Auxiliary Units from REVAP:</p> <p>WTP - Water Treatment Station (U-514): - Clarification by Dissolved Air Flotation System; - Filtration with Sand Filters and Activated Carbon Filters; - Ultrafiltration Unit; - Reverse Osmosis Demineralization System; - Mixed Beds Polishing System.</p> <p>UTC - Condensate Treatment Unit (U-530): - Condensate Cooling Heat Exchanger; - Filtration System with Pre-cover Filters, Activated Carbon Filter and Cartridge Filters; - Mixed Beds Polishing System.</p>	2007
48.	Petrobras / Reduc (E-07010)	Duque de Caxias (RJ)	<p>Supply of water treatment plant (U-1326) for Refinery Duque de Caxias (PLANGÁS Unit) under EPC (Engineering Procurement and Construction) contract ("turn key" job)</p> <p>- Lamella Clarifier; - Ultra Filtration Unit; - Demineralization system by Ion exchange; - Electric substation 3,150 KVA.</p>	2007
49.	Thyssen Krupp - CSA (E-06018)	Santa Cruz (RJ)	Water distribution system for Blast Furnaces # 1 & 2	2006
50.	Thyssen Krupp - CSA (E-06018)	Santa Cruz (RJ)	Emergency water system for Blast Furnaces # 1 & 2 – Capacity: 2,000 m³/h	2006
51.	Thyssen Krupp - CSA (E-06018)	Santa Cruz (RJ)	Water treatment plant and recirculation system for Blast Furnaces # 1 & 2. Capacity: 2,000 m³/h	2006

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52.	Thyssen Krupp - CSA (E-06018)	Santa Cruz (RJ)	Cooling water system for Blast Furnaces # 1 & 2: - cooling tower; - heat exchangers; - pumping station (medium voltage)	2006
53.	Thyssen Krupp - CSA (E-06018)	Santa Cruz (RJ)	Piping interconnection for the cooling systems of the: Blast Furnaces, Copper & Cast Iron Staves, Stoves, Melting Pot bottom and top.	2006
54.	Petrobras/Refap UTE CANOAS (E-06012)	Canoas (RS)	Supply of a water treatment system including: - water intake pump station - clarifier for 520 m ³ /h - filtering station - 2 centrifuges for sludge dewatering - Demineralization unit for 150 m ³ /h	2006
55.	ArcelorMittal (E-06052)	Juiz de Fora (MG)	Supply of UHR filter type for water treatment of the rolling mill – direct system.	2006
56.	ArcelorMittal (E-06048)	Juiz de Fora (MG)	Supply of 01 (one) set of a primary classifier (coarse particles separator) for the revamping of the steel mill (130t).	2006
57.	Petrobras / Reduc TERMORIO (E-05016)	Duque de Caxias (RJ)	Supply of water treatment plant with sludge dewatering and drying systems for Refinery Duque de Caxias under EPC (Engineering Procurement and Construction) contract (“turnkey” job), including; - lamella clarifier; - ultra filtration unit; - centrifuge for sludge dewatering process; - sludge dryer (“Turbo Dryer”).	2005
58.	Petrobras / Regap (E-05133)	Betim (MG)	Electrodialysis Reversal (EDR) Treatment Plant Capacity: 60 m ³ /h per line.	2005
59.	Klabin S/A (E-05062)	Telêmaco Borba (PR)	Supply of demineralized water and condensate polishing systems (“turnkey” job without civil works), including: - filtration unit (3 filters, capacity 89 m ³ /h each); - reverse osmosis (3 skids, capacity 89 m ³ /h each); - mixed bed (2 sets, capacity 100 m ³ /h each); - condensate polishing unit (3 sets, capacity 140 m ³ /h each).	2005
60.	ArcelorMittal Tubarão (E-04104)	Serra (ES)	Sludge Dewatering for the gas scrubbing system – revamping of the steel mill. Capacity: 42 m ³ /h	2004
61.	ArcelorMittal Tubarão (E-04034)	Serra (ES)	Water treatment system for the steel plant (revamping). Steel production: 7.5 MTPY. Capacity: 700 m ³ /h	2004
62.	Gerdau / Açominas SMS DEMAG (E-04158)	Ouro Branco (MG)	Water treatment plant for direct and indirect recirculation system of the continuous casting machine and beam blank. The direct system is composed by: - scale pit and pumping station; - filtration unit - cooling towers; - sludge treatment unit: thickener, chemical dosing and filter press The indirect system is composed by: - cooling tower and pumping station; - heat exchangers; - water softening unit; - storage tanks.	2004

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63.	Petrobras / Repar (E-03049)	Araucária (PR)	Reverse osmosis demineralization system. Capacity: 60 m ³ /h	2003
64.	Endesa (E-02033)	Fortaleza (CE)	Water treatment plant (WTP), demineralization, chemical dosing system, drinking water and sludge dewatering system.	2003
65.	ArcelorMittal Tubarão Consortio Ferrostaal / Voest Alpine / Paul Wurth (E-03068)	Serra (ES)	Water treatment system for the gas scrubber of Blast Furnace # 3. Steel production: 7.5 MTPY. Capacity: 900 m ³ /h	2003
66.	ArcelorMittal Tubarão (E-03043)	Serra (ES)	Conceptual study for the revamping of the sludge dewatering plant – Blast Furnace and steel plant. Steel production: 7.5 MTPY.	2003
67.	ArcelorMittal Tubarão (E-03118)	Serra (ES)	Conceptual study for the revamping of the water treatment plant of the steel plant. Steel production: 7.5 MTPY.	2003
68.	Rio Polímeros (E-01120)	Duque de Caxias (RJ)	Water demineralization unit (skid mounted), including: - activated carbon filter; - ion exchange unit; - mixed bed. Condensate polishing unit (skid mounted), including: - mixed bed - activated carbon filter Capacity: 2 x 75 m ³ /h	2002
69.	Rio Polímeros (E-02029)	Duque de Caxias (RJ)	Automatic potable water filter package, skid mounted. Capacity: 6 m ³ /h	2002
70.	Rio Polímeros (E-02023)	Duque de Caxias (RJ)	Water treatment system, comprising: - clarifier - filtration units - chemical dosing. Capacity: 900 m ³ /h	2002
71.	ArcelorMittal Tubarão (E-02098)	Serra (ES)	Conceptual study for sludge treatment of the continuous casting mill #1, #2 and #3; vacuum degaseificaton plant and condensate water from RH. Steel production: 7.5 MTPY.	2002
72.	Petrobras / Refap (E-01058)	Canoas (RS)	Water treatment by microfiltration and reverse osmosis Capacity: 6 x 100 m ³ /h.	2001
73.	CSN – Cia. Siderúrgica Nacional (E-20006)	Volta Redonda (RJ)	Improvement of the wastewater treatment plant for Blast Furnace #3. Capacity: 1,200 m ³ /h. Physical-chemical treatment system of purging. Capacity: 60 m ³ /h	2001
74.	Cesan (E-01066/01076/01078)	Vitória (ES)	Wastewater treatment plants for municipalities: Cariacica: 3,220 m ³ /h (323,160 inhabitants) Guarapari: 1,070 m ³ /h (127,245 inhabitants) Vila Velha: 6,955 m ³ /h (679,849 inhabitants) Vitória: 3,514 m ³ /h (261,119 inhabitants).	2001

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75.	Caema – Cia. Água Esgoto do Maranhão (E-20003)	São Luís (MA)	System for polishing and disinfection of domestic wastewater, comprising: - 4 x 156 kg/day Ozone generator (producing 6.5kg O ₃ /h) - Pumping station - Supervisory/control system.	1999
76.	Aracruz Celulose S.A. (E-01080)	Aracruz (ES)	Water treatment system for potable water Capacity: 60 m ³ /h	2001
77.	Aracruz Celulose S.A. (E-01051)	Aracruz (ES)	Filtration system – sealing water. Capacity: 222 m ³ /h.	2001
78.	Aracruz Celulose S.A. (E-01009)	Aracruz (ES)	Water demineralization plant by reverse osmosis: - Capacity: 3 x 115 m ³ /h - Pretreatment (softening) - Filters - RO skids - Mixed bed (polishing).	2001
79.	Alunorte (E-01068)	Barcarena (PA)	Duplication of clarification and filtration systems – industrial and drinking water. Capacity: 540 m ³ /h and 60 m ³ /h respectively.	2001
80.	Alunorte (E-01068)	Barcarena (PA)	Clarification and filtration systems – industrial and drinking water. Capacity: 540 m ³ /h and 60 m ³ /h respectively.	2001
81.	Sabesp – Saneamento Básico do Estado de SP (E-20005)	São Sebastião (SP)	Compact water treatment plant (WTP). Capacity: 180 m ³ /h	2000
82.	Sabesp – Saneamento Básico do Estado de SP (E-20004)	Ilhabela (SP)	Compact water treatment plant (WTP). Capacity: 180 m ³ /h	2000
83.	Gerdau / Açominas NSC – Nippon Steel Corporation (PRE-0040)	Ouro Branco (MG)	Cooling system for the stove cooler of Blast Furnace #1. Capacity: 2,000 m ³ /h	2000
84.	ArcelorMittal Tubarão (PR-1023)	Vitória (ES)	Water filtration and cooling systems for the coke plant. Capacity: 550 m ³ /h	1997
85.	Usiminas	Ipatinga (MG)	Water treatment system - continuous casting billet-mold. Capacity: 1,100 m ³ /h	Before 1994
86.	Usiminas	Ipatinga (MG)	Treatment of cooling and recirculation water – steel mill #2. Capacity: 25,000 m ³ /h	Before 1994
87.	Suzano	Suzano (SP)	Wastewater treatment through mechanical aeration – 36 units with 25 HP.	Before 1994
88.	Solvay (F-3784)	Santo André (SP)	Physical-chemical treatment of wastewater for a PVC plant. Capacity: 6,000 m ³ /h	Before 1994

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89.	Siderúrgica Mendes Jr.	Juiz de Fora (MG)	Cooling, treatment and recirculation systems for treatment of the hot rolling mill water (ultra high rate filtration). Capacity: 3,000 m ³ /h Cooling, treatment and recirculation systems for treatment of the steel plant water (ultra high rate filtration). Capacity: 500 m ³ /h	Before 1994
90.	Santa Terezinha	Gov. Valadares (SP)	Wastewater treatment through aeration lagoon, sedimentation. Capacity: 500 m ³ /h	Before 1994
91.	Santa Terezinha	Bragança Paulista (SP)	Wastewater treatment through aeration and sedimentation. Capacity: 400m ³ /h	Before 1994
92.	Ripasa (F-3622)	Embu (SP)	Biologic wastewater treatment. Capacity: 400 m ³ /h	Before 1994
93.	Riocell	Guaíba (RS)	Water softening units. Capacity: 2 x 150 m ³ /h	Before 1994
94.	Riocell (F-2919 / F-2920)	Guaíba (RS)	Automatic demineralization and chemical dosing. Capacity: 120 m ³ /h	Before 1994
95.	Petrobras / Reduc	Duque de Caxias (RJ)	Oily water treatment using lamella separator, pressurization and chemical dosing. Capacity: 500 m ³ /h	Before 1994
96.	Petrobras/ Reduc (F-2217)	Duque de Caxias (RJ)	Automatic gravity filtration. Capacity: 400 m ³ /h Automatic demineralization and dechlorination. Capacity: 300 m ³ /h Automatic final polishing. Capacity: 600 m ³ /h	Before 1994
97.	Petrobras / Enchova	Campos (RJ)	Oily water treatment – Enchova platform using lamella separator, pressurization and chemical dosing (three units). Capacity: 3 x 197 m ³ /h	Before 1994
98.	Petrobras / Cotebig	Angra dos Reis (RJ)	Oily water treatment through flotation. Capacity: 1,100 m ³ /h	Before 1994
99.	Petrobras / Cofen	Araucária (PR)	Automatic demineralization. Capacity: 115 m ³ /h. Automatic condensate polishing. Capacity: 210 m ³ /h	Before 1994
100.	Petrobras / Cherne	Campos (RJ)	Seawater treatment through chemical dosing and filtration. Capacity: 1,000 m ³ /h	Before 1994
101.	Petrobras (F-3310)	Campos (RJ)	Seawater desalination through reverse osmosis, including chlorination system – Pargo I, Vermelho I, II and III and Carapeba I and II platforms. Capacity: 6 x 10m ³ /h	Before 1994

Nº	Customer (Order)	City (State)	Supply Description	Year
102.	Petrobras (F-3252)	Campos (RJ)	Injection-water treatment: three fine-particle filters, skid mounted – Pargo I platform. Capacity: 217 m ³ /h	Before 1994
103.	Petrobras (F-3231)	Vitória (ES)	Injection-water treatment, for coarse- and fine-particle filtration, desaeration, skid mounted – Cação III platform. Capacity: 250 m ³ /h	Before 1994
104.	Klabin (IKPC)	Monte Alegre (PR)	Automatic demineralization units. Capacity: 3 x 150 m ³ /h. Condensate polishing. Capacity: 3 x 150 m ³ /h	Before 1994
105.	Klabin (IKPC)	Monte Alegre (PR)	Clarification. Capacity: 5,000 m ³ /h	Before 1994
106.	Inpacel (F-3704)	Arapoti (PR)	Wastewater treatment through activated sludge, double stage. Capacity: 470 m ³ /h	Before 1994
107.	Inpacel (F-3705)	Arapoti (PR)	Dosing, clarification and filtration. Capacity: 800 m ³ /h	Before 1994
108.	ArcelorMittal Tubarão	Vitória (ES)	Automatic demineralization units. Capacity: 2 x 140 m ³ /h	Before 1994
109.	ArcelorMittal Tubarão	Vitória (ES)	Drinking water treatment. Capacity: 550 m ³ /h. Clarification and filtration. Capacity: 3,550 m ³ /h Sludge dewatering through vacuum and pressure filters. Capacity: 200 m ³ /h	Before 1994
110.	CSN – Cia. Siderúrgica Nacional	Volta Redonda (RJ)	Treatment of recirculation water from hot-strip mill. Capacity: 4,400 m ³ /h	Before 1994
111.	CSN – Cia. Siderúrgica Nacional	Volta Redonda (RJ)	Treatment of water for low pressure steam generator through demineralization. Capacity: 250 m ³ /h	Before 1994
112.	Cosipa – Cia. Siderúrgica Paulista	Cubatão (SP)	Water treatment from blast furnaces 1 and 2, coarse-particle classification and removal, aeration, dosing, flocculation, vacuum dewatering. Capacity: 1,600 m ³ /h	Before 1994
113.	Cosipa – Cia. Siderúrgica Paulista	Cubatão (SP)	Water treatment and recirculation system of continuous casting billet-mold. Capacity: 12,000 m ³ /h	Before 1994
114.	Cosipa – Cia. Siderúrgica Paulista	Cubatão (SP)	Cooling system, water treatment and recirculation of hot-strip mill. Capacity: 1,800 m ³ /h	Before 1994
115.	Cosipa – Cia. Siderúrgica Paulista	Cubatão (SP)	Automatic demineralization, cation/anion/mixed bed. Capacity: 260 m ³ /h	Before 1994

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116.	Copesul	Triunfo (RS)	Treatment of organic wastewater from south petrochemical area, through equalization, mechanical aeration, sludge drying, dosing, tertiary treatment and land farming. Capacity: 1,230 m ³ /h	Before 1994
117.	Copene – Petroquímica do Nordeste S.A. (F-3710)	Camaçari (BA)	Equipment for enlarging the water pretreatment unit, comprising of clarification, filtration, dosing and polishing. Capacity: 7,300 m ³ /h	Before 1994
118.	Copene – Petroquímica do Nordeste S.A. (F-3500)	Camaçari (BA)	Enlargement of existing demineralization unit. Capacity: 600 m ³ /h	Before 1994
119.	Cinal	Marechal Deodoro (AL)	Wastewater treatment through aeration, pumping, screening, sedimentation and thickening, including land farming. Capacity: 300 m ³ /h	Before 1994
120.	Cia. Suzano de Papel	Suzano (SP)	Clarification and filtration. Capacity: 5,000 m ³ /h Demineralization. Capacity: 120 m ³ /h	Before 1994
121.	ArcelorMittal	João Monlevade (MG)	Treatment of the water for scrubbing gases in the steel industry. Capacity: 600 m ³ /h	Before 1994
122.	Champion (F-3988)	Mogi Guaçu (SP)	Wastewater treatment – aerated lagoon, 22 Aqua-jet aerators, 25 HP.	Before 1994
123.	Champion	Mogi Guaçu (SP)	Traveling water screens (TWS), wastewater treatment through grit removal, sedimentation and mechanical aeration. Capacity: 4,800 m ³ /h	Before 1994
124.	Cetrel (F-1983)	Camaçari (BA)	Industrial and domestic sewage treatment through mechanical aeration. Capacity: 2,592 m ³ /h	Before 1994
125.	Cenibra (F-3316)	Belo Oriente (MG)	Clarification and filtration. Capacity: 9,000 m ³ /h Automatic demineralization. Capacity: 185 m ³ /h Primary wastewater treatment. Capacity: 8,330 m ³ /h Automatic softening. Capacity: 200 m ³ /h	Before 1994
126.	Celpav – Cia. Celulose e Papel Votorantim	Luís Antônio (SP)	Dosing, clarification and filtration semiautomatic systems. Capacity: 3,000 m ³ /h	Before 1994
127.	Celpav – Cia. Celulose e Papel Votorantim (F-3597)	Luís Antônio (SP)	Wastewater treatment through activated sludge, double stage. Capacity: 2,180 m ³ /h	Before 1994
128.	Bahia Sul Celulose (F-4003)	Mucuri (BA)	Biological wastewater treatment through mechanical aeration. Capacity: 1,850 m ³ /h	Before 1994
129.	Aracruz Celulose S.A. (F-3617)	Aracruz (ES)	Wastewater treatment through aerated lagoon – fourteen 40 HP filstar aerators and accessories. Capacity: 1,400 m ³ /h	Before 1994

Nº	Customer (Order)	City (State)	Supply Description	Year
130.	Aracruz Celulose S.A.	Aracruz (ES)	Wastewater treatment, screening, sedimentation, sludge treatment. Capacity: 1,600 m³/h	Before 1994
131.	Aracruz Celulose S.A.	Aracruz (ES)	Clarification and filtration. Capacity: 6,900 m³/h Automatic demineralization. Capacity: 3 x 115 m³/h Condensate Polishing. Capacity: 2 x 250 m³/h	Before 1994
132.	Alunorte (F-4229)	Barcarena (PA)	Desmineralization 2X70. Capacity: 140 m³/h	Before 1994
133.	Alcoa / Alumar	São Luiz (MA)	Clarification and Filtration systems Capacity: 1,250 m³/h	Before 1994
134.	Gerdau / Açominas	Ouro Branco (MG)	Recirculation system for coke plant water and biological treatment. Capacity: 2,400 m³/h	Before 1994
135.	Gerdau / Açominas	Ouro Branco (MG)	Water treatment and recirculation system for coke plant and blast furnaces blasting. Capacity: 15,000 m³/h	Before 1994
136.	ArcelorMittal	Timóteo (MG)	Treatment of blast furnace cooling water. Capacity: 120 m³/h	Before 1994