



# Main references in bioenergies

## BIOGAS

Date	Customer / Plant	Location	Scope / Fuel	MW	Delivery
2008	Evonik	Kirchwalsede, Germany	Biogas Power Plant	1,5	2009
2008	Stadtwerke Münster	Münster, Germany	Turnkey CHP	3,9	2008
2002	Sugar Mill Jülich	Jülich, Germany	Turnkey CHP including gas engine 1 x 1,4 Mwel related mechanical & electrical equipment erection and commissioning	1,41	2002
2000	Agrar Bio Recycling	Wietendorf, Germany	Turnkey CHP including gas engine 4 x 2 Mwel related mechanical & electrical equipment erection and commissioning	8	2001

## BIOMASS & HEAT RECOVERY BASED POWER PLANTS

Date	Customer / Plant	Location	Scope / Fuel	MW	Delivery
2008	Intrinerly	Thimister Belgium	Turnkey biomass based Power Plant Fuel : Wood chips	4,5	2010
2007	Hothur Steels Ltd	Bellary District, Karanataka State, India	Turnkey Waste Heat Recovery based Power Plant Fuel: Heat	10	2008
2007	Usina Masisa	Cabrero, Chile	Turnkey biomass based Power Plant Fuel : Wood chips	11,1	2008
2007	Agroindustrial Carneirinho S/A (Grupo Coruripe)	Carneirinho-MGBrazil	Electrical and I&C system for the whole plant Fuel : Bagasse	12	2008
2006	Bua Sommai Electricity Generating Co Ltd # 1 & 2	Suwannaphum, Thailand	Turnkey Biomass Based Power Plant Fuel: Rice Husk	9,9	2008
2006	Bua Sommai Electricity Generating Co Ltd # 3 & 4	Roi-Et, Thailand	Turnkey Biomass Based Power Plant Fuel: Rice Husk	9,9	2008
2006	CCC Machinery GmbH Borja Bioenergética S/A	São Borja Rio Grande do Sul, Brazil	Turnkey Biomass Based Power Plant Fuel : Rice Husk	12	
2006	CCC Machinery GmbH Sepé Bioenergética S/A	São Sepé Rio Grande do Sul, Brazil	Turnkey Biomass Based Power Plant Fuel : Rice Husk	12	
2006	CCC Machinery GmbH Grande Bioenergética S/A	Rio Grande Rio Grande do Sul Brazil	Turnkey biomass based Power Plant Fuel : Wood chips	2 x 12	
2006	CCC Machinery GmbH Pedrito Bioenergética S/A	Dom Pedrito Rio Grande do Sul, Brazil	Turnkey Biomass Based Power Plant Fuel : Rice Husk	12	
2006	Us. Cerradinho Unidade - Potirendaba	Potirendaba-SPBrazil	Electrical and I&C system for the whole Plant Fuel : Bagasse	6,7	2007
2005	CCC Machinery GmbH Usina Termoelectrica Winimport S/A	Guarapuava, Brazil	Turnkey biomass based Power Plant Fuel : Wood chips	12,3	2007
2005	Kamachi Sponge & Power Corp. Ltd	SIPOCOT Industrial Area, Gummidipoondi, Tiruvallur District, Tamil Nadu, India	Turnkey Waste Heat Recovery based Power Plant Fuel: Heat	10	2007
2005	CCC Machinery GmbH Usina Termoelectrica Winimport S/A	Ignacio Martins, Brazil	Turnkey biomass based Power Plant Fuel : Wood chips	12,3	

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Date	Customer / Plant	Location	Scope / Fuel	MW	Delivery
2005	Prathyusha Power Private Ltd	Tuvarasi Village - Tirunelveli District - Tamil Nadu, India	Turnkey Biomass Based Power Plant Fuel: Rice Husk, Julie Flora	10	2007
2005	Rukmani Power & Steel Ltd	Village Kunkuni - Kharsia (PO) Dist. Raigarh, Chattisgarh, India	Turnkey Biomass Based Power Plant Fuel: Rice Husk	10	2006
2005	Clealco Açúcar e Álcool	Clemetina - SP, Brazil	Bagasse	10	2007
2005	Ibéria Industria e Comercial Ltda.	Borá - SP, Brazil	Bagasse	6,2	2006
2005	Usina Coruripe Açúcar e Álcool	Limeira do Oeste - MG Brazil	Bagasse	5	2006
2005	Virgolino de Oliveira S/A Açúcar e Álcool	José Bonifácio - SP Brazil	Bagasse	7	2006
2004	CCC Machinery GmbH Usina Termoelectrica Winimport S/A	Imbituva, Brazil	Turnkey biomass based power plant Fuel : Wood chips	12,3	2006
2004	Usina Petribu Paulista	Sebastianopolis - SP, Brazil	Bagasse	10	2005
2003	SatyaMaharshi Power Corporation Ltd	Amaravathi, Dist. Guntur, Andhrapradesh, India	Turnkey Biomass Based Power Plant Fuel: Chilly Stalk, cotton Stalk, Rice Husk, Julie Flora	7,5	2004
2003	Usina Coruripe Açúcar e Álcool	Coruripe - AL, Brazil	Bagasse	16	2004
2003	Lages Bioenergética Ltda	Lages - SC, Brazil	Wood	28	2004
2003	Usina Caéte (delta)	Delta - MG, Brazil	Bagasse	30	2004
2003	Usina Caéte (volta grande)	Conceição das Alagoas - MG, Brazil	Bagasse	25	2004
2002	BK Energia Itacoatiara Ltda.	Itacoatiara - AM, Brazil	Wood	10	2003
2001	JB Açúcar e Álcool Ltda.	Vitória de Santo Antão - PE Brazil	Bagasse	50	2002
2001	Termo Eletrica Itaenga Ltda	Lagoa de Itaenga - PE Brazil	Bagasse	47	2002
2001	Piratini Energia Ltda	Piratini - RS, Brazil	Wood	10	2002
2001	Usina Coruripe Açúcar e Álcool	Iturama - MG, Brazil	Bagasse	24	2002
2000	BK Energia Uruguaiana Ltda	Uruguaina - RS, Brazil	Rice Husk	8	2001
1995	Santa Cândida Açúcar e Álcool Ltda.	Bocaína - SP, Brazil	Bagasse	30	1996
1989	Usina Coruripe Açúcar e Álcool	Campo Florido - MG Brazil	Bagasse	12	1990

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## MINING GAS

Date	Customer / Plant	Location	Scope / Fuel	MW	Delivery
2004	DSK	Ibbenbüren, Germany	Turnkey CHP 2 x 3 MWel including modified 2004 gas engines & related mechanical and electrical equipment, erection and commissioning of the power plant	3	2004
2003	Saar Energie Fenne III	Fenne, Germany	Turnkey CHP 6 x 3 MWel including modified gas engines & related mechanical and electrical equipment, erection and commissioning of the power plant	18	2004
2003	Saar Energie Fenne II	Fenne, Germany	Turnkey CHP 2 x 2.7 MWel including modified gas engines & related mechanical and electrical equipment, erection and commissioning of the power plant	5,4	2004
2002	Saar Energie Fenne I	Fenne, Germany	Turnkey CHP 6 x 2.7 MWel including modified gas engines & related mechanical and electrical equipment, erection and commissioning of the power plant	16,2	2003
2002	Saar Energie	Weiher, Germany	Turnkey CHP 1 x 2.7 MWel including modified 2002& related mechanical and electrical equipment, erection and gas engines commissioning of the power plant	2,7	2003

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## SMALL HYDROELECTRIC POWER

Date	Customer / Plant	Location	MW	Delivery
2007	Bonfante Nergética S/A	Brazil / MG	19	2008
2007	Calheiros Energia S/A	Brazil / RJ	19.2	2008
2007	Carangola Energia S/A	Brazil / MG	15.3	2008
2007	Da Ilha Energética S/A	Brazil / RS	28	2008
2007	Funil Energia S/A	Brazil / MG	22.7	2008
2007	Jararaca Energia S/A	Brazil / RS	27	2008
2007	Monte Serrat Energética s/a	Brazil / RJ	30	2008
2007	Santa Fé Energética S/A	Brazil / RJ	30	2009
2007	Santa Fé Energética S/A	Brazil / ES	29	2009
2007	São Pedro Energia S/A	Brazil / ES	30	2008
2007	São Simão Energia S/A	Brazil / ES	27	2008
2007	Spe Alto Irani Energia S/A	Brazil / SC	21	2008
2007	Spe Plano Alto Energia S/A	Brazil / SC	16	2008
2006	Amper Energia S/A	Brazil / MT	28	2007
2006	Paranatinga Energia S/A	Brazil / MT	29	2007
2006	Pouso Alto Energia S/A	Brazil / MT	30	2007
2005	Arapucel Ombreiras S/A	Brazil / MT	26	2006
2005	Rio do Sangue S/A	Brazil / MT	29.3	2006
2003	Arapucel Indiavaí S/A	Brazil / MT	28	2004
2003	Araputanga Centrais Elétricas S/A	Brazil / MT	20	2004
2005	SHP Canoa Quebrada	Lucas do Rio Verde / MT Brazil	28	2006
2005	SHP Buriti	Chapadão do Sul / MS Brazil	30	2006
2005	SHP Garganta da Jararaca	Nova Maringá / MT Brazil	29,3	2007

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