



























» Wärtsilä project references – examples







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Project Name	Year	Plant type & use	Owner	Location	Output	Engine Type	Fuel	Scope	Picture
Arun	2014	Power Generation	PLN	Sumatra, Indonesia	184 MW	19X W20V34SG	Natural gas	Citec provided full scope services including mechanical, piping, civil, electrical engineering and documentation	
Eklutna Generation Station	2014	Flexible base load power Generation	Matanuska Electric Association (MEA)	Palmer, AK, USA	171 MW	10 x W18V50DF	Natural gas & LFO	Citec provided detail engineering services for process, piping, ducting and platform engineering as well as station manuals	
IPP3	2014	Base load & Peak load power generation	National Electric Power Company	Jordan	573 MW	38 x W18V50DF	Natural gas, HFO & LFO	Citec provided detail engineering services for process, piping, ducting and platform engineering as well as station manuals	
Kiisa ERPP I & II	2013 & 2014	Emergency reserve power plant Utility	Elering & Estonian transmission	Estonia	250 MW	27 x W20V34DF	Natural gas & LFO	Citec provided full scope engineering and documentation including piping, process, electrical and civil	
	2013	Power Generation	KivuWatt Ltd.	Kibuye, Rwanda	25MW	3 x W20V34SG	Natural gas	Citec provided detail engineering services for civil, mechanical & electrical engineering including piping & ducting as well as station manuals	
Quisqueya I & II	2013	Flexible Base Load Combined Cycle Plant. Mining industry	Barrick Gold Corp.	Dominican Republic	430 MW	12+12 x W18V50DF	Natural gas & LFO	Citec provided detail engineering services for combined cycle plant including process, piping, civil and mechanical as well as station manuals	

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Sasolburg	2012	Flexible base load power generation	Sasol New Energy's (SNE)	South Africa	175 MW	18 x W20V34SG	Natural gas	Citec scope included design of engine foundations, plant layout process, piping, civil and mechanical as well as station manuals	
Eden Yuturi	2012	Power Generation. Oil & Gas Industry	Petroamazonas EP	Oriente jungle, Ecuador	85 MW	4 X W18V32GD + 3X W18V34SG + 6XW18V32	HFO, LFO & Natural Gas	Citec scope included design of engine foundations, plant layout process, piping, civil and mechanical as well as station manuals	
Antelope Station	2011	Power Generation Oil & Gas Industry	Golden Spread Electric Coop.	Texas, USA	170 MW	18 x W20V34SG	Natural gas	Citec scope included design of engine foundations, platform & duct support structures as well as station manuals	
AGIP Villano	2011, 2006 & 2003	Power Generation Oil & Gas Industry	AGIP	Oriente jungle, Ecuador	26.5 MW + 8 MW	5 X W16V32LN + 1X W12V32	Crude oil	Citec scope included design of engine foundations, platform & duct support structures as well as station manuals	
Aliaga Industrial Park	2011, 2009 & 2007	Base load power generation	Cakmaktepe Energy	Aliaga, Turkey	270 MW	28 x W20V34SG	Natural gas	Citec scope included design of engine foundations, plant layout, piping, platform & duct support structures as well as station manuals	
Kipevu III	2011	Power Generation	Kenya Electricity Generating Company Limited (KenGen)	Mombasa, Kenya	117 MW	7 x W18V46	Crude oil	Citec scope included design of engine foundations, plant layout process, piping, civil and mechanical as well as station manuals	

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Geramar I & II	2010	Power Generation	Geradora de Energia do Norte S/A	State of Maranhão, Brazil	331.8 MW	38 x Wärtsilä 20V32	HFO	Citec scope included design of engine foundations, plant layout process, piping, civil and mechanical as well as station manuals	
Humboldt Bay Power Plant	2010	Grid Base load, Gas Power Plant	Pacific Gas & Electric Co	Humboldt Bay, Eureka, California, USA	162.7 MW	10 x Wärtsilä 18V50DF	LFO & Natural gas	Citec scope included design of engine foundations, plant layout process, piping, civil and mechanical as well as station manuals	
Nishat	2010	Power Generation	Nishat Chunian Power Limited/ Nishat Power Limited	Jambar Kalan, Kasur District, near Lahore	200 MW + 200MW	11 x Wärtsilä 18V46 + 11 x Wärtsilä 18V46	HFO	Citec scope included design of engine foundations, plant layout process, piping, civil and mechanical as well as station manuals	
UTE LINHARES	2010	Power Generation	Linhares Geracao S.A.	Linhares-Espirito Santo, Brazil	204 MW	24 x Wärtsilä 20V34SG	Natural gas	Citec scope included design of engine foundations, plant layout process, piping, civil and mechanical as well as station manuals	
Viana	2009	Power Generation	Termeletrica Viana S/A	Viana, Espirito Santo State, Brazil	174.6 MW	20 x Wärtsilä 20V32	HFO	Citec scope included design of engine foundations, plant layout process, piping, civil and mechanical as well as station manuals	
Greenpower	2009	CHP Agricultural Industry	Greenpower NV	Merksplas, Belgium	9 MW	1 x Wärtsilä 20V32	Liquid biofuel	Citec provided full scope engineering and documentation including piping, process, electrical and civil	

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Pearsall Station	2009	Power Generation	South Texas Electric Cooperative	Texas, USA	203 MW	24 x W20V34SG	Natural gas	The scope included design of engine foundations, process engineering, platform, duct support structures and tanks as well as station manuals	
Szóreg	2009	Compression plant for gas storage Oil & Gas industry	MOL Hungarian Oil & Gas Plc	Szóreg, Hungary	4050 kW	5 x Wärtsilä 9L34SG	Natural gas	Citec provided detail engineering services including process, piping, civil and mechanical as well as station manuals	
Attock	2008	Base load Combined Cycle Oil Refinery	Attock Gen Ltd.	Rawalpindi, Pakistan	160 MW	9 x Wärtsilä 18V46	HFO	Citec provided detail engineering services including process, piping, civil and mechanical as well as station manuals	
Linate	2007	Base load, Trigeneneration Utilities	Malpensa Energia Srl	Linate airport, Milan, Italy	24 MW	3 x Wärtsilä 20V34SG	Natural gas	Citec provided detail engineering services including process, piping, civil and mechanical as well as station manuals	
Makuhari	2007	Base load, Trigeneneration Utilities	Energy Advance (ENAC)	Makuhari, Chiba, Japan	15.7MW	1 x Wärtsilä 20V34SG+1 x Wärtsilä 16V34SG	Natural gas	Citec provided detail engineering services including process, piping, civil and mechanical as well as station manuals	
Gera	2006	Power Generation	Geradora de Energia do Amazonas S/A	Brazil	85 MW	38 x Wärtsilä 20V32	HFO	Citec provided detail engineering services including process, piping, civil and mechanical as well as station manuals	

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Dr Bird I and II	2005	Floating Power Generation	Jamaica Energy Partners	Old Harbour, Jamaica	123.5 MW	8 x Wärtsilä 12V46, 3 x Wärtsilä 18V46	HFO	Citec provided detail engineering services including process, piping, civil and mechanical as well as station manuals	
Western 102	2005	Base load Mining	Barrick Goldstrike Mines Inc.	Nevada, USA	116 MW	14 x Wärtsilä 20V34SG	Natural gas	Citec provided detail engineering services including process, piping, civil and mechanical as well as station manuals	
Manisa	2005 & 2004	CHP Utilities	Manisa Ticaret Sanayi Odasi Organize Sanayi Bölgesi	Manisa, Turkey	84.8 MW	3 x Wärtsilä 18V50DF, 4 x Wärtsilä 20V34SG	LFO & Natural gas	Citec provided detail engineering services including process, piping, civil and mechanical as well as station manuals	
BTC	2004	Pumping Station Oil & Gas	BTC Co. Ltd, U.K.	Posof, Pasinler, Çayirli & Altinyayla, Turkey	95.9 MW	4x Wärtsilä 12V34SG + 14x Wärtsilä 18V34SG	Natural Gas	Citec provided full scope engineering and documentation including piping, process, electrical and civil	
Limbe	2004	Power Generation Utilities	AES Sonel, Cameroon	Cameroon	85.4 MW	5 x Wärtsilä 18V46	HFO	Citec provided detail engineering services including process, piping, civil and mechanical	
Pavana III	2004	Power Generation	Luz y Fuerza de San Lorenzo S.A. (Lufussa), Honduras	Pavana, Honduras	267.4 MW	16 x Wärtsilä 18V46	HFO	Citec provided detail engineering services including process, piping, civil and mechanical	

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OCP	2003	Pumping Station + Base load Power Plant Oil & Gas	OCP Ecuador S.A.	Amazonas, Cayagama, Sardinas and Paramo, Ecuador	99 MW	22 x Wärtsilä 12V32LN + 4 x Wärtsilä 6R32LN + 2 x Wärtsilä 12V200	HFO	Citec provided full scope engineering and documentation including piping, process, electrical and civil	