



TECHIMP HQ S.r.l. - Via Toscana 11/c - 40069 Zola Predosa (BO) Italy
tel. +39.051.19986050 - fax +39.051.19986099 - e-mail info@techimp.com - web www.techimp.com

TECHIMP Reference List Transformer

1. Selected reference list of Partial Discharge Monitoring (PDM) system

Year	Quantity	End-User	Scope of Supply	Country	Remarks
2006	#1 150/380 kV Single Phase Transformer	Laborelec	PD Monitoring system	Belgium	
2008	# 1 410/20kV - 480 MVA Power Transformer	Rosen S.p.A./Electrabel	PD Monitoring system	Italy	
2010	# 1 220/132 kV- 250 MVA Power Transformer	Terna	Global Monitoring (PD+DGA+TD) system	Italy	
2010	# 1 132/15.6 kV - 63MVA Power Transformer	Enel	Global Monitoring (PD+DGA+TD) system	Italy	
2010	# 4 800MVA Phase Shift Transformer	ALPIQ	PD Monitoring system	Switzerland	Monitored with GIS
2010	#1 500/15.6kV- 135 MVA power transformer	Hidroelectric Pietra del Aguila (HPDA)	Global Monitoring (PD+DGA) system	Argentina	
2011	# 12 500/13.5kV – 135MVA Power transformer	Hidroelectric Pietra del Aguila (HPDA)	Global Monitoring (PD+DGA+TD) system	Argentina	Monitored with generator
2011	#1 230/13.8kV- 10/24/30 MVA power transformer	Florida Power & Light	PD Monitoring system	USA	
2012	#6 400/22 kV - 240MVA power transformers	Siemens/ATHENA CHHATTISGARH POWER LTD	PD Monitoring system	India	

2012	#5 400KV series reactor	Siemens Austria/DEWA	PD Monitoring system with Customized UHF antenna sensor	UAE	
2012	#1 230/34.5kV-80MVA power transformer	Dominion Transmission	PD Monitoring system	USA	
2012	# 2 230/24kV - 100MVA Power Transformers	Siemens/A2A	Global Monitoring (PD+ TD) system	Italy	
2013	#4 138/13,8 kV - 60MVA Power Transformers	ABB/Cemig Group	Global Monitoring (PD+DGA+TD) system	Brazil	
2013	#2 400/20kV – 370/481 MVA Power Transformer	ENEL	Global Monitoring (PD+DGA+TD) system	Italy	
2013	#1 115/35 kV – 115MVA Power Transformer	Dominion Transmission	TD Monitoring system	USA	
2013	#1 420kV - 1630MVA Phase Shift Transformer	TERNA	Global Monitoring (PD+DGA+TD) system	Italy	
2013	#1 150/11kV - 140MVA Power Transformer	PLN	Global Monitoring (PD+TD) system	Ombilin, Indonesia	
2013	#4 Power Transformer	TRANSENER	PD monitoring system	Argentina	
2014	63 MVAR 420kV Transformer	PGCIL	PD & TD monitoring system	India	
2014	#3 Power Transformer	OGLETHORPE	PD & TD Monitoring System	USA	
2014	#2 Power Transformer	GETRA POWER S.p.a.	TD & DGA monitoring system	Italy	



TECHIMP HQ S.r.l. - Via Toscana 11/c - 40069 Zola Predosa (BO) Italy
tel. +39.051.19986050 - fax +39.051.19986099 - e-mail info@techimp.com - web www.techimp.com

2014	# Power Transformer	SBM FRANCE S.A.S.	PD & DGA monitoring system	France	
------	---------------------	-------------------	----------------------------	--------	--

2. Selected reference list of Service

Test Date	Type of machine	End-User	Location	Remarks
January 2005	#1 TR 500/233/132kV (283MVA)	Transener	Buenos Aires	On-line PD measurement
Febraury 2005	#1 TR 15/220 kV (150MVA)	Edison	Porto Marghera Power Plant, Italy	On-line PD measurement
Febraury 2005	#1 TR 500/220/34.8 kV (200MVA)	Transener	Henderson S/S, Agrentina	On-line PD measurement
Febraury 2005	#2 TR 500/220/34.8 kV (200MVA)	Transener	Colonia Valentina S/S, Argentina	On-line PD measurement
July 2005	#1 TR 15/220kV	EDISON	Porto Marghera, Italy	On-line PD measurement
August 2005	#2 CT 400kV	ABB/Terna	Piacenza S/S, Italy	On-line PD measurement
September 2005	#1 TR 15/220 kV (150MVA)	Edison	Porto Marghera Power Plant, Italy	On-line PD measurement
January 2006	#1 TR 11/33kV	Perodua	Malaysia	On-line PD measurement
January 2006	#1 TR 11/33kV	CPTM	Malaysia	On-line PD measurement
January 2006	# 3 TR 500/233/132kV (283MVA)	Transener	Ezeiza S/S, Buenos Aires, Argentina	On-line PD measurement

Fabraury 2006	#1 TR 110kV	Red Electrica de Espana	Bilbao, Spain	Off-line PD measurement
Fabraury 2006	#1 TR 132kV	Red Electrica de Espana	Bilbao, Spain	Off-line PD measurement
July 2006	#1 TR 15/500kV (630MVA)	AES Paraná	San Nicolas de los Arroyos, Argentina	On-line PD measurement
July 2006	#2 TR 11.5/150kV	Edison	Termoli (CB), Italy	On-line PD measurement
July 2006	#1 TR 13.8/88kV	Eletropaulo	San Paolo, Brazil	Off-line PD measurement
August 2006	# 12 CT 220kV	Terna	Pietrafitta (PG), Italy	On-line PD measurement
October 2006	# 4 CT 500kV	Chesf	Teresina S/S, Brazil	On-line PD measurement
October 2006	# 2 CT 500kV	Chesf	Fortaleza S/S, Brazil	On-line PD measurement
October 2006	# 1 CT 500kV	Chesf	Luiz Gonzaga S/S, Brazil	On-line PD measurement
October 2006	# 2 CT 500kV	Chesf	Xingò S/S, Brazil	On-line PD measurement
November 2006	# 2 TR 132/11kV	Dubai Airport/Dept. Of Civil Aviation	Dubai, UAE	On-line PD measurement
December 2006	# 1 TR 220/33kV	Acindar	Villa Costitucion, Argentina	On-line PD measurement

February 2007	# 1 TR 132/11kV	DCA	Dubai, UAE	On-line PD measurement
February 2007	#1 CT 245kV	Terna	Cairo Montenotte (SV), Italy	Laboratory test
Febraury 2007	# 2 TR 132/11kV	Dubai Airport/Dept. Of Civil Aviation	Dubai, UAE	On-line PD measurement
April 2007	#1 TR 15/500kV (630MVA)	AES Paraná	San Nicolas de los Arroyos, Argentina	On-line PD measurement
August 2007	#1 TR 220/110kV	Edesur	Buenos Aires, Argentina	On-line PD measurement
November 2007	#1 TR 10,5/141kV	ABB	Bahrain	On-line PD measurement
December 2007	#1 TR 20/500kV	AES Paraná	San Nicolas de los Arroyos, Argentina	On-line PD measurement
October 2008	#1 TR 10.5/141kV	ABB/Aluminium bahrein	Manama, Bahrain	On-line PD measurement
April 2008	# 1 TR 220/60kV	CEPEL - CHESF	Rio de Janeiro, Brazil	On-line PD measurement
April 2008	#1 CT 345/34,5kV (150MVA)	CTEEP	San Paolo, Brazil	Off-line PD measurement
April 2008	#1 CT 69kV	Eletrosul	San Paolo, Brazil	Off-line PD measurement
May 2008	#1 TR 20/410kV (480MVA)	Rosen S.p.A./Electrabel	Rossignano (LI), Italy	On-line PD/TD measurement

May 2008	#1 TR 23/307kV	ABB	Cairo, Egypt	Off-line PD measurement
May 2008	#1 TR 400/132kV (480MVA)	DEWA	Dubai, UAE	On-line PD measurement
August 2008	#1 TR 15/500kV (630MVA)	AES Paraná	San Nicolas de los Arroyos, Argentina	On-line PD measurement
November 2008	#1 TR 10.5/141kV	ABB/Aluminium Bahrain	Manama, Bahrain	On-line PD measurement
March 2009	#1 TR 17/400 kV (340 MVA)	ABB	Entracque Hydroelectric Power Plant, Italy	On-line PD measurement
May 2009	#2 CT 220kV (170MVA)	Tirreno Power	Napoli, Italy	On-line PD measurement
September 2009	#4 TR 400/15kV	DRILCO	Merida, Spain	On-line PD measurement
October 2009	#1 TR 230/20kV (412MVA)	AES Alicura	San Nicolas de los Arroyos, Argentina	On-line PD measurement
November 2009	#2 TR 0,4/20kV	TE Trasformatori Elettrici	Bernate Ticino, Italy	Off-line PD measurement
January 2010	#1 400/20kV (190 MVA)	ABB	Torvalgalida (Roma), Italy	On-line PD measurement
February 2010	#1 TR 240/20kV (300MVA)	ENEL Produzione SPA	Pietrafitta (PG), Italy	On-line PD measurement
February 2010	#1 TR 21/420kV (325 MVA)	FAPCO	Fujairah, UAE	On-line PD measurement

February 2010	#1 TR 21/1kV (65 MVA)	ABB	Potenza, Italy	On-line PD measurement
February 2010	#2 TR 0,4/20kV	TE Trasformatori Elettrici	Bernate Ticino, Italy	Off-line PD measurement
February 2010	#1 TR 400/132kV (480MVA)	DEWA	Dubai, UAE	On-line PD measurement
April 2010	#1 CT 220kV (170MVA)	Tirreno Power	Napoli, Italy	On-line PD measurement
May 2010	#1 CT 220kV (300MVA)	Tirreno Power	Napoli, Italy	On-line PD measurement
May 2010	#1 TR 20/500kV	AES Paraná	San Nicolas de los Arroyos, Argentina	On-line PD measurement
July 2010	#3 CT 150kV	Terna	Scandale, Italy	On-line PD measurement
July 2010	#3 CT 400kV	Terna	Scandale, Italy	On-line PD measurement
August 2010	#12 CT 220kV	Terna	Brugherio, Italy	On-line PD measurement
September 2010	#1 TR 11kV/400V	Alstom	Fujairah, UAE	On-line PD measurement
September 2010	#3 CT 170kV	Terna	Palermo, Italy	On-line PD measurement
September 2010	#3 CT 220kV	Terna	Cislago, Italy	On-line PD measurement

September 2010	#3 CT 245kV	Terna	Pieve di Bono (TN), Italy	On-line PD measurement
October 2010	#3 CT 220kV	Terna	Palermo, Italy	On-line PD measurement
October 2010	#3 CT 150kV	Terna	Palermo, Italy	On-line PD measurement
October 2010	#1 TR 15,75/400kV (320MVA)	Saelectra	Tavezzano, Italy	On-line PD measurement
November 2010	#6 CT 245kV	Terna	Arezzo, Italy	On-line PD measurement
November 2010	#6 CT 245kV	Terna	Avenza, Italy	On-line PD measurement
November 2010	#1 TR 230/20kV (412MVA)	AES Alicura	San Nicolas, Argentina	On-line PD measurement
December 2010	#6 CT 245kV	Terna	Avenza, Italy	On-line PD measurement
December 2010	#3 CT 420kV	Terna	Brugherio, Italy	On-line PD measurement
December 2010	#2 CT 220kV (300MVA)	Tirreno Power	Napoli, Italy	On-line PD measurement
December 2010	#1 TR 290/16kV	Duke Energy Argentina	Planicie Banderita, Argentina	On-line PD measurement
December 2010	#6 CT 220kV	Terna	Salerno, Italy	On-line PD measurement

January 2011	#3 CT 245kV	Terna	Avenza, Italy	On-line PD measurement
January 2011	#9 CT 245kV	Terna	Colorno, Italy	On-line PD measurement
January 2011	#15 CT 420kV	Terna	La Spezia, Italy	On-line PD measurement
January 2011	#21 CT 145kV	Terna	Piosacco, Italy	On-line PD measurement
January 2011	#3 CT 245kV	Terna	Piosacco, Italy	On-line PD measurement
January 2011	#3 CT 245kV	Terna	Torino, Italy	On-line PD measurement
January 2011	#6 CT 220kV	Terna	Roma, Italy	On-line PD measurement
January 2011	#9 CT 220kV	Terna	Palermo, Italy	On-line PD measurement
February 2011	#9 CT 220kV	Terna	Roma, Italy	On-line PD measurement
February 2011	#12 CT 420kV	Terna	Rimini, Italy	On-line PD measurement
June 2011	#6 CT 220kV	Terna	Napoli, Italy	On-line PD measurement
June 2011	#3 CT 220kV	Terna	Maddaloni, Italy	On-line PD measurement

June 2011	#6 CT 220kV	Terna	Cagliari, Italy	On-line PD measurement
June 2011	#6 CT 380kV	Terna	Cagliari, Italy	On-line PD measurement
June 2011	#9 CT 150kV	Terna	Cagliari, Italy	On-line PD measurement
July 2011	#15 CT 220kV	Terna	Cagliari, Italy	On-line PD measurement
July 2011	#3 CT 380kV	Terna	Taranto, Italy	On-line PD measurement
July 2011	#3 CT 150kV	Terna	Taranto, Italy	On-line PD measurement
July 2011	#3 CT 220kV	Terna	Patria, Italy	On-line PD measurement
July 2011	#6 CT 220kV	Terna	Salerno, Italy	On-line PD measurement
July 2011	#6 CT 150kV	Terna	Scandale, Italy	On-line PD measurement
July 2011	#3 CT 380kV	Terna	Taranto, Italy	On-line PD measurement
July 2011	#3 CT 150kV	Terna	Bari, Italy	On-line PD measurement
July 2011	#3 CT 245kV	Terna	Porto Marghera, Italy	On-line PD measurement

October 2011	#6 CT 170kV	Terna	Roma, Italy	On-line PD measurement
October 2011	#3 CT 420kV	Terna	Roma, Italy	On-line PD measurement
November 2011	#1 TR 11kV/400V	ALSTOM	Fujairah, UAE	On-line PD measurement
November 2011	#6 CT 420kV	Terna	Roma, Italy	On-line PD measurement
November 2011	#6 CT 245kV	Terna	Roma, Italy	On-line PD measurement
January 2012	#1 TR 23/0,4kV (2MVA)	Marnate Trasformatori s.r.l.	Marnate (VA), Italy	Off-line PD measurement
January 2012	#3 CT 245 kV	Terna	Milano, Italy	On-line PD measurement
January 2012	#3 CT 420kV	Terna	Dolo, Italy	On-line PD measurement
January 2012	#24 CT 245kV	Terna	Dolo, Italy	On-line PD measurement
February 2012	#12 CT 220kV	Terna	Palermo, Italy	On-line PD measurement
February 2012	#6 CT 150kV	Terna	Palermo, Italy	On-line PD measurement
February 2012	#3 CT 150kV	Terna	Scandale, Italy	On-line PD measurement

May 2012	#3 CT 145kV	Terna	Mezzocorona (TN), Italy	On-line PD measurement
June 2012	#1 TR 15.75 / 400kV (250MVA)	SHAHID MONTAZERI Power Plant	Esfahan, Iran	DGA
June 2012	# 3 CT 420kV	Terna	Flero (BS), Italy	On-line PD measurement
August 2012	#3 CT 220kV	Terna	Palermo, Italy	On-line PD measurement
August 2012	# 1 TR 9/138kV (32MVA)	ABB	Goglio di Baceno (VB), Italy	On-line PD measurement
August 2012	# 1 TR 9/132kV	ABB	Cuneo, Italy	On-line PD measurement
September 2012	#1 CT 420kV	Terna	Andria (BA), Italy	On-line PD measurement
September 2012	#2 CT 150kV	Terna	Foggia, Italy	On-line PD measurement
September 2012	#1 TR 34,5/4,16kV (20MVA)	Saudi Kayan	Jubail, Saudi Arabia	On-line PD measurement
October 2012	#1 TR 400/225kV (100MVA)	DRILCO	Mequinenza, Spain	On-line PD measurement
November 2012	#1 CT 220kV (300MVA)	Tirreno Power	Napoli, Italy	On-line PD measurement
November 2012	#3 TR 13,8/138kV (40MVA)	AES Tiete	San Paolo, Brazil	On-line PD measurement

November 2012	#3 TR 13,8/138kV (112MVA)	AES Tiete	San Paolo, Brazil	On-line PD measurement
November 2012	#2 TR 34,5/13,8kV (60MVA)	Gas Jubail	Jubail, Saudi Arabia	On-line PD measurement
December 2012	#1 TR 15/220kV	Cofely Italia S.p.a.	Acerra, Napoli	On-line PD measurement
December 2012	#1 TR 320/34,5kV (150MVA)	CTEEP	San Paolo, Brazil	On-line PD measurement
February 2013	#3 TR 13,8/139kV (45MVA)	AES Tiete	San Paolo, Brazil	On-line PD measurement
March 2013	#1 TR 15,75/220kV	STOMO	Muscat, Oman	On-line PD measurement
March 2013	#1 TR 13,8/138kV (48MVA)	AES Tiete	San Paolo, Brazil	On-line PD measurement
August 2013	#2 Reactor 400kV(1500MVA)	Simens Austria/DEWA	Dubai, UAE	On-line PD measurement
October 2013	#1 TR100kV (20kVA)	AME	Italy	Off-line PD measurement
March 2014	#1 Reactor 400kV(1500MVA)	Simens Austria/DEWA	Dubai, UAE	On-line PD measurement
May 2014	#1 Reactor 400kV(1500MVA)	Simens Austria/DEWA	Dubai, UAE	On-line PD measurement