

## Moroccan CDM Project Portfolio (July 2006)

N°	Project	Project developer	KT ECO2/year	sector	key contact
<b>Registered projects</b>					
1	60 MW wind farm (Essaouira)	National Office of Electricity	150	Renewable energy projects	M. Abdelaziz Tahiri <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>
2	Photovoltaic kits to light up rural households in Morocco		39,5		M. Abdelaziz Tahiri <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>
3	10 MW wind farm (Tétouan)	LAFARGE-MOROCCO	28,6		M. Mohamed-Rachid Amor <a href="mailto:Mohamed-rachid.amor@lafarge-maroc.lafarge.com">Mohamed-rachid.amor@lafarge-maroc.lafarge.com</a>
<b>Projects under validation</b>					
4	Introduction of Heat Recovery System (HRS) at Jorf Lasfar's chemical plant	Office Chérifien des Phosphates Group	84,8	Energy efficiency projects	M. Hassan Hakim <a href="mailto:hakim@ocpgroup.ma">hakim@ocpgroup.ma</a>
5	Biogas recovery and flaring (Oulja landfill)	Agency for 'Bou Regreg valey' planning	13,8	Waste projects	M. Idriss Kably <a href="mailto:kably@bouregreg.gov.ma">kably@bouregreg.gov.ma</a>
6	10 MW Wind farm for the Tan Tan desalination plant	National Office of Drinking Water (ONEP)	17,2	Renewable energy projects	M.Mohamed KHARIF: <a href="mailto:mkharif@onep.org.ma">mkharif@onep.org.ma</a>
<b>Project with PDD approved by the DNA</b>					
7	Biogas recovery and flaring (Rabat Akreuch landfill)	Rabat Urban Community	76	Waste projects	M. Mohamed Hassan ELHOUTY <a href="mailto:mhlehouty@menara.ma">mhlehouty@menara.ma</a>
<b>Projects with PIN approved by the DNA</b>					
8	Waste water-derived power generation unit " fez"	Autonomous agency of water and electricity distribution of fez	108	Waste projects	M. Mohamed MEZIANI <a href="mailto:mezianinrad@yahoo.fr">mezianinrad@yahoo.fr</a>
9	Waste water-derived power generation unit " Marrakesh"	Autonomous agency of water and electricity distribution of Marrakesh	57		M. Adil DAOUDI <a href="mailto:adil75@iam.net.ma">adil75@iam.net.ma</a>
10	Biogas recovery and flaring (Marrakesh landfill)	Marrakesh Urban Community	169,4		Mme Khadija AL FEDDY <a href="mailto:kh_alfeddy@hotmail.com">kh_alfeddy@hotmail.com</a>
11	Biogas recovery and flaring (Oujda landfill)	Oujda Urban Community	28.5		M. Adnane EL GHAZI <a href="mailto:cu-oujda@menara.ma">cu-oujda@menara.ma</a>
12	Biogas recovery and flaring ( Agadir landfill)	Agadir Urban Community	17.7		Mme Fatima EL BAZ <a href="mailto:cu-agadir@menara.ma">cu-agadir@menara.ma</a>
13	Biogas recovery and flaring ( kenitra landfill)	Kenitra Urban Community	54.6		M. Abdeaziz FKYERAT <a href="mailto:courkenitra@menara.ma">courkenitra@menara.ma</a>
17	Biogas recovery and flaring ( Fez landfill)	Fez Urban Community	75		M. Larbi FAKHIRI <a href="mailto:Flarbi@hotmail.com">Flarbi@hotmail.com</a>
17	140 MW wind farm (Tangier)	National Office of Electricity	385	Renewable energy projects	M. Abdelaziz TAHIRI <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>
16	60 MW wind farm (TAZA)	National Office of Electricity	127.9		M. Abdelaziz TAHIRI <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>
17	Hydro-electric dam project (Tilloguit)	National Office of Electricity	90		M. Abdelaziz TAHIRI <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>
18	Hydro-electric dam project (Tanafnit - El Borj)	National Office of Electricity	155		M. Abdelaziz TAHIRI <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>
19	Abdelkhalek TORRES wind farm	National Office of Electricity	183		M. Abdelaziz TAHIRI <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>
20	Introduction of Heat Recovery System (HRS) at Safi's chemical plant	Office Chérifien des Phosphates Group	182	Energy efficiency projects	
21	Introduction of Heat Recovery System (HRS) at Safi's chemical plant Maroc Phosphor I		126		M. Hassan HAKIM <a href="mailto:h.hakim@ocpgroup.ma">h.hakim@ocpgroup.ma</a>
22	Introduction of Heat Recovery System (HRS) at Safi's chemical plant Maroc Phosphor II		69,6		M. Hassan HAKIM <a href="mailto:h.hakim@ocpgroup.ma">h.hakim@ocpgroup.ma</a>

23	Replacing and arranging public lighting equipment in Casablanca	Lyonnais des Eaux de Casablanca	21.3		M. Rui SOBRAL <a href="mailto:Rui.sobral@lydec.co.ma">Rui.sobral@lydec.co.ma</a>
24	Public lighting with low consumption bulbs(LCB) and power modulators (15,000 bulbs program)	National Office of Electricity	2,6		M. Abdelaziz TAHIRI <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>
25	Biodiesel Morocco	MOSMART Maroc	618.7	Afforestation and reforestation projects	M. Hassan REHIOUI <a href="mailto:Mosmart_morocco2@yahoo.fr">Mosmart_morocco2@yahoo.fr</a>
<b>Projects with PIN under development</b>					
26	Carbon sequestration by the technology of 'Oceon Nourishment'	Carbon Market Development Canada	500	Carbon sequestration	Anthony HEYNEN <a href="mailto:Anthony.heynen@oceannourishment.com">Anthony.heynen@oceannourishment.com</a>
27	The production of fuel-ethanol from renewable sources 'Biomass'	KFW	n.a.	Renewable energy	Amir Shuja amirshuja@rcn.com
28	Wind farm 2 X 10 MW – Industrial zone of Tangier Dalia I and Dali II	Tangier Industrial zone Association AZIT	54,7		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
<b>Projects under development</b>					
29	220 MW gas-solar power station (Beni Mat'har)	National Office of Electricity	993	Renewable energy projects	M. Abdelaziz TAHIRI <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>
30	Development of solar water heater use	Renewable Energy Development Center	95,8		M. Jaouad CHERKAOUI <a href="mailto:cder@menara.ma">cder@menara.ma</a>
31	Laayoune wind farm	CIMENTS du MAROC	90		M. Harma ABDALLAH <a href="mailto:a.harma@cimar.co.ma">a.harma@cimar.co.ma</a>
32	Solar pre-heating of swimming pool water	Palmeraie–Golf Palace Hotel	n.a.		M. Abderrafie BERRADA <a href="mailto:twafdi@dolidol.ma">twafdi@dolidol.ma</a>
33	10 MW wind farm	ST Microelectronics	32		ST Microelectronics
34	5,000 m2 of solar water heaters for hospital use	Renewable Energy Development Center	4		M. Jaouad CHERKAOUI <a href="mailto:cder@menara.ma">cder@menara.ma</a>
35	2 MW Wind farm Tangier Plastic company	Tangier Plastic company	5,4		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
36	Biogas recovery and flaring (Casablanca Mediouna landfill)	Casablanca Urban Community	456	Waste projects	Mme Houda CHICHAOUI <a href="mailto:chichaouihouda@yahoo.fr">chichaouihouda@yahoo.fr</a>
37	Biogas of the new inter communal landfill (Rabat, Sale and Temara) - energetic valorisation	Group Community	250		M. Mohamed Hassan ELHOUTY <a href="mailto:mhlhouty@menara.ma">mhlhouty@menara.ma</a>
38	Biogas recovery and flaring Casablanca new landfill – energetic valorisation	Casablanca Urban Community	500		Commune urbaine de Casablanca
39	Biogas recovery and flaring (El Jadida landfill)	Deposit and Management Bank (CDG)	17,6		CDG
40	Reorganisation of white sugar crystallisation production unit	SUCRAFOR	17		M. Mohamed BOUKABOUS <a href="mailto:sucrafor@wanadoo.ma">sucrafor@wanadoo.ma</a>
41	Substitution of dry phosphates by humid phosphates in phosphoric acid production at Jorf Lasfar	Office Chérifien des Phosphates Group	56		M. Hassan HAKIM <a href="mailto:h.hakim@ocpgroup.ma">h.hakim@ocpgroup.ma</a>
42	Coupling of improved public bath boilers to solar water heaters	Renewable Energy Development Center	216		M. Jouad CHERKAOUI <a href="mailto:cder@menara.ma">cder@menara.ma</a>
43	Performance improvement of Mohammedia's 600 MW power plant	National Office of Electricity	n.a.		M. Abdelaziz TAHIRI <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>

44	Domestic lighting program with low consumption bulbs (LCB) One million bulb program	National Office of Electricity	70	Energy efficiency projects	M. Abdelaziz TAHIRI <a href="mailto:tahiri@one.org.ma">tahiri@one.org.ma</a>
45	Installation of 1 Million low consumption bulbs (LBC)	Rabat & Marrakech Communities	95,4		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
46	Installation of 350,000 power cut-out	Rabat & Marrakech Communities	45,6		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
47	04 Public Lighting Projects: Rabat, Nouasseur, Marrakech	Urban Communities	1,05		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
48	Heat pumps with recuperation of energy (20 hotels)	Hotel Industry Association	n.a.		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
49	centralized Technical management for the control of big energy consumers	Hotel Industry Association	n.a.		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
50	Small power co-generators of less than 300 kW for 20 hotels	Industry Hotel Association	n.a.		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
51	Biomass co-generators: network power and hot water plumbing units: 40 hotels in Marrakech.	Industry Hotel Association	n.a.		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
52	Lighting efficiency of in 40 industries Textile	Association of the industrial zone Tangier AZIT	0,8		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
53	Speed-variation at the level of extrusion: 20 industries within the plastic sector	Association of the industrial zone Tangier AZIT	8,27		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
54	Speed variation at the level of compressed air: 20 industries within the plastic sector	Association of the industrial zone Tangier AZIT	12		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
55	Monitoring temps réel des consommations électriques : 20 industries	Association of the industrial zone Tangier AZIT	8,4		GEMTECH-EESD <a href="mailto:gemtech@gemtech.ma">gemtech@gemtech.ma</a>
56	Planting of Argan trees and cacti in semi-arid zones (100 ha)	High Commissariat of Water, Forestry and Combating Desertification	40		Afforestation and reforestation projects
57	Land reclamation and tree planting in old mines, Khouribga	Office Chérifien des Phosphates Group	16,5	M. Hassan HAKIM <a href="mailto:h.hakim@ocpgroup.ma">h.hakim@ocpgroup.ma</a>	
58	Eucalyptus planting	EUCAFFOREST	67	M. Rachid DAROUICH <a href="mailto:Eucaforest-sa@iam.net.ma">Eucaforest-sa@iam.net.ma</a>	
59	Planting of 10,000 hectares of trees in the Maâmora Forest	ST – MICROELECTRONICS	n.a.	ST – MICROELECTRONICS	
60	Partially substituting clinker with ashes from coal power plants (cement process)	Cement Professional Association	375	Industrial process change project	M. Abdellah IKASARGHID <a href="mailto:apc@iam.net.ma">apc@iam.net.ma</a>