

	N° Page
Resume of the Wind Farm	1
Bilan of the availability	2
Statistics of the Active power production	3
Power Curve	4
Status List	5
Comments	6

Report established by
The Turbine Management
Nordex France SAS

Customer : Endesa France
Name : Burlot
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Operating company : NORDEX FRANCE SAS
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Fax : 01 55 93 43 40
Email : DJarrot@nordex-online.com



Wind Farm :	Lehaucourt	
Operating Company :	Nordex France	
Starting date for the availability :	01/04/2007	
Type of Turbine :	N90 R80 LS	
Number of the turbine :	4	
Power of the turbine :	2500	Kw
Power of the Wind Farm :	10000	Kw

Monthly report for the May 2007**Data Keys from the NC2:**

Availability of the Windfarm for the May 2007	94,05 %
Availability of the Windfarm since the 01/04/07	81,98 %
Active power production of the Windfarm to the 31/05/07	2 801 493 Kwh
Average production by turbines to the 31/05/07	700 373 Kwh

Stop Times Tstop AF May 2007	176:58:16	h
Stop Times Tstop NAF May 2007	310:20:07	h
Total Stop Time :	487:18:23	h

Comments:

Multiple Grid disconnection on the Farm.
 Intervention of BP Automation on the 8384.
 Intervention of IDS on the 8386 and exchange the IGBT of the converter.

Nordex France SAS

Wind Farm

Customer :

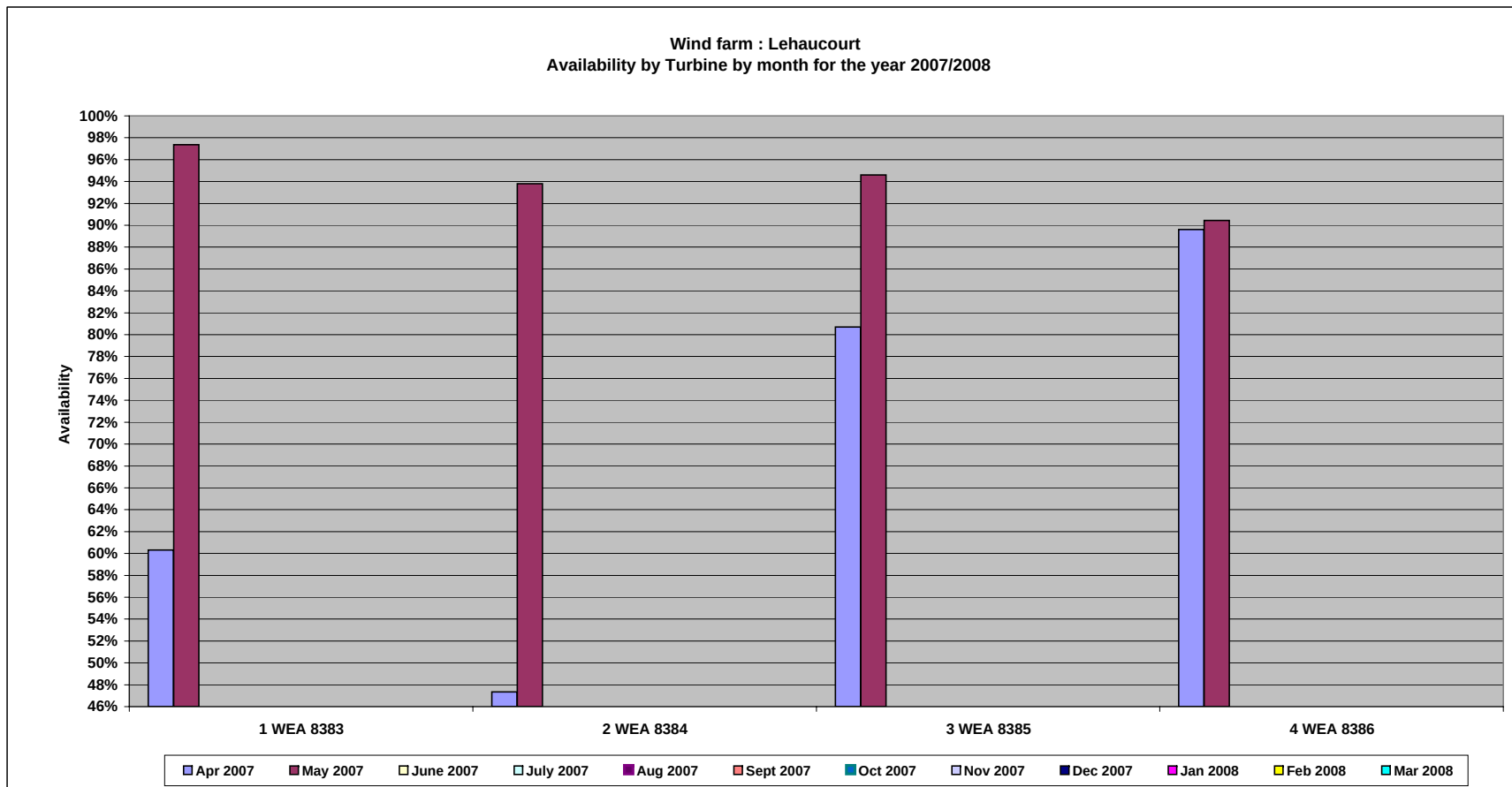
Endesa France

Lehaucourt

Availability by Turbines - Monthly 2007/2008



	Apr 2007	May 2007	June 2007	July 2007	Aug 2007	Sept 2007	Oct 2007	Nov 2007	Dec 2007	Jan 2008	Feb 2008	Mar 2008
1 WEA 8383	60,32%	97,38%										
2 WEA 8384	47,36%	93,79%										
3 WEA 8385	80,71%	94,60%										
4 WEA 8386	89,62%	90,45%										
Farm	69,50%	94,05%										



Wind Farm
Lehaucourt

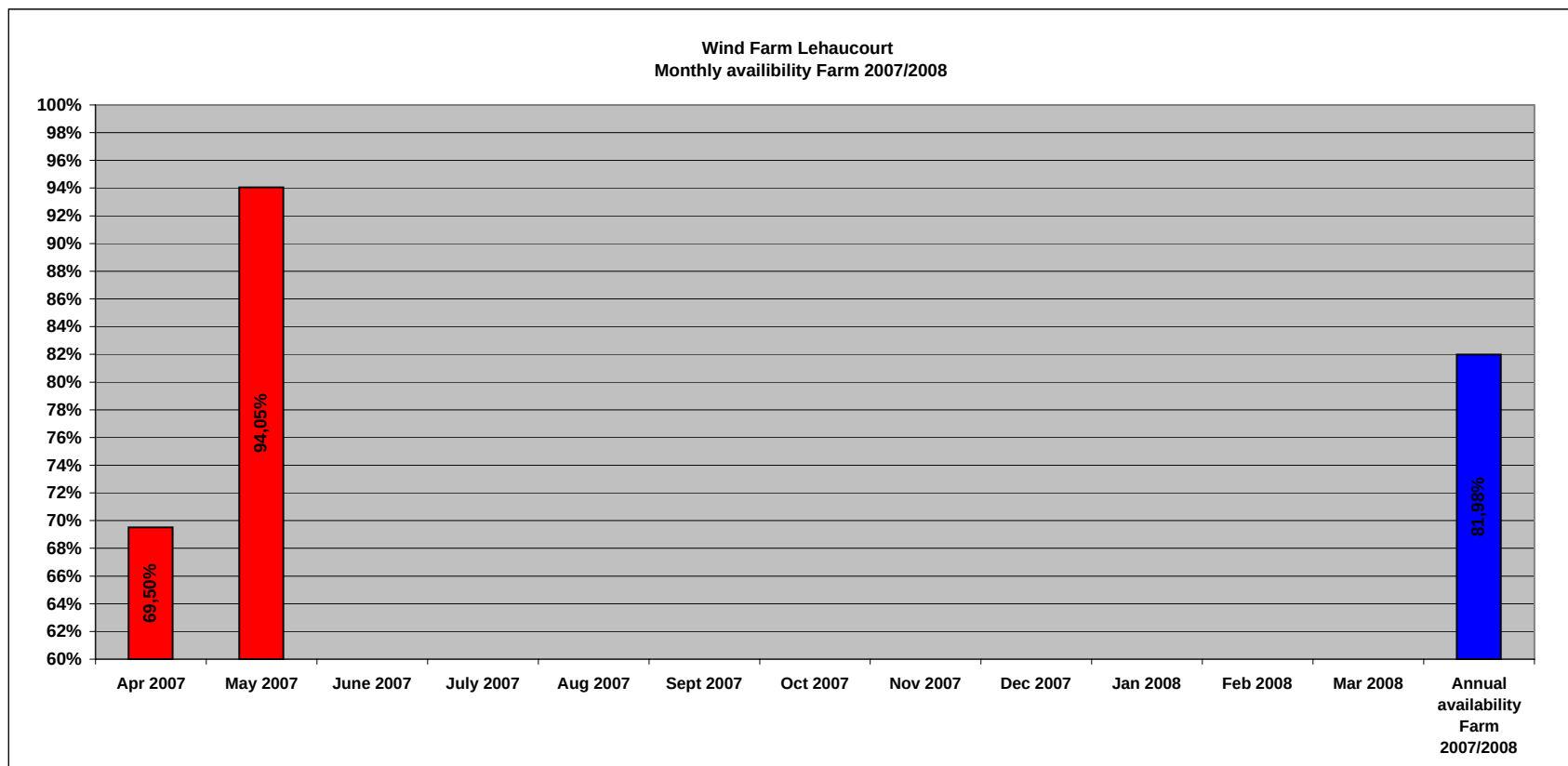
Cust : **Endesa France**
Period : **Year of Expl. 2007/2008 - Farm Availability**



Annual availability
Farm 2007/2008

Apr 2007 69,50% May 2007 94,05% June 2007 July 2007 Aug 2007 Sept 2007 Oct 2007 Nov 2007 Dec 2007 Jan 2008 Feb 2008 Mar 2008

81,98%



Wind Farm
Lehaucourt

Customer
Period :

Endesa France
Year of Exploitation 2007/2008

Annual Statistics - Availabilities



April 2007

WTG	Stop Times (AF) I_m	Stop Times (NAF)	Operating hours numbers M_m	Availability by turbines (Awtg)	Availability of the Farm by month
1 WEA 8383	285,67	35,26	720,00	60,32%	
2 WEA 8384	379,04	34,51	720,00	47,36%	
3 WEA 8385	138,90	43,47	720,00	80,71%	
4 WEA 8386	74,71	42,53	720,00	89,62%	69,50%

May 2007

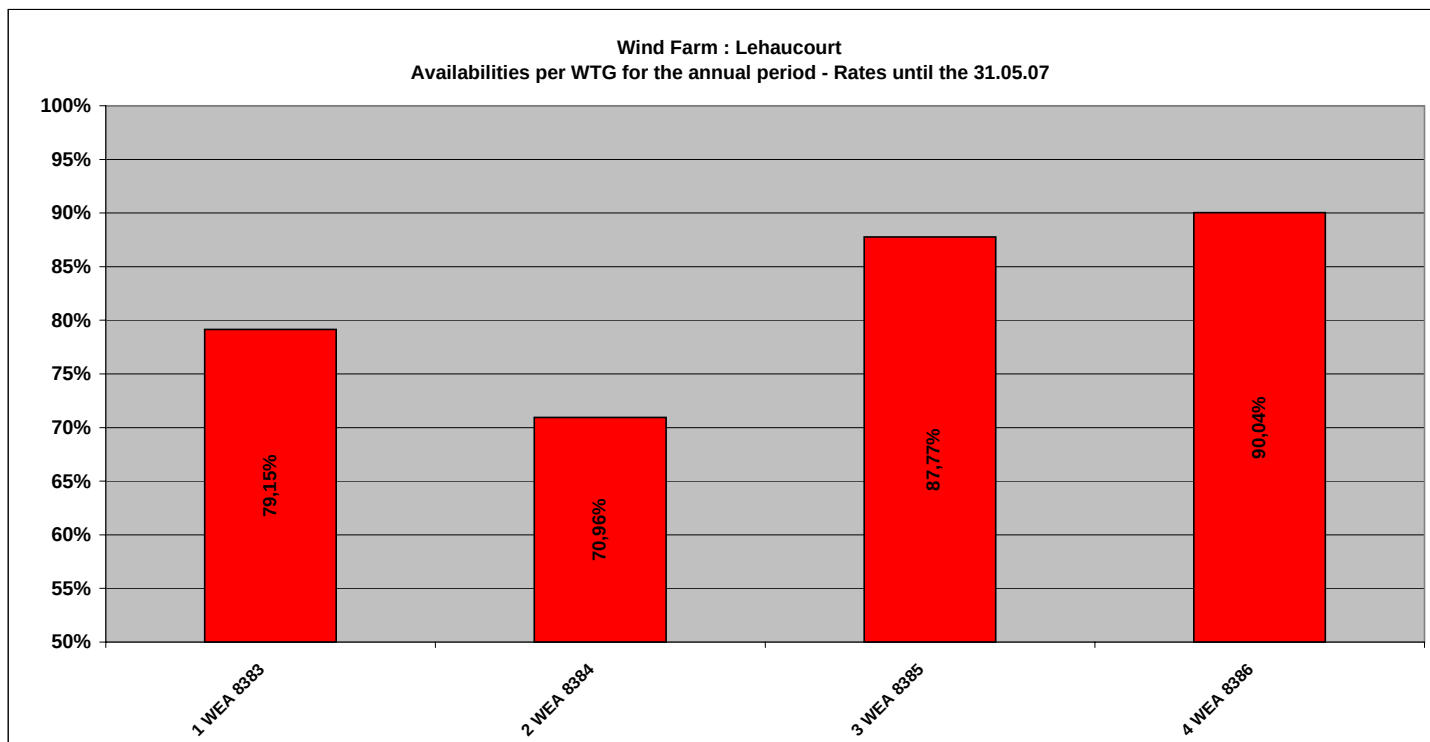
1 WEA 8383	19,52	76,94	744,00	97,38%	
2 WEA 8384	46,17	77,53	744,00	93,79%	
3 WEA 8385	40,19	78,38	744,00	94,60%	
4 WEA 8386	71,08	77,48	744,00	90,45%	94,05%

Wind Farm : Lehaucourt
 Customer : Endesa France
 Period : Year of Exploitation 2007/2008

Annual Statistics - Availabilities 2007/2008

Annual Estimates

					Wind Farm
WTG	I _m	NAF	M _m	Rate : until the 31.05.2007	81,97924%
1 WEA 8383	305,19	112,20	1464,00	79,15%	
2 WEA 8384	425,22	112,04	1464,00	70,96%	
3 WEA 8385	179,10	121,85	1464,00	87,77%	
4 WEA 8386	145,80	120,01	1464,00	90,04%	
Sum :	1055,30	466,10	5856,00		



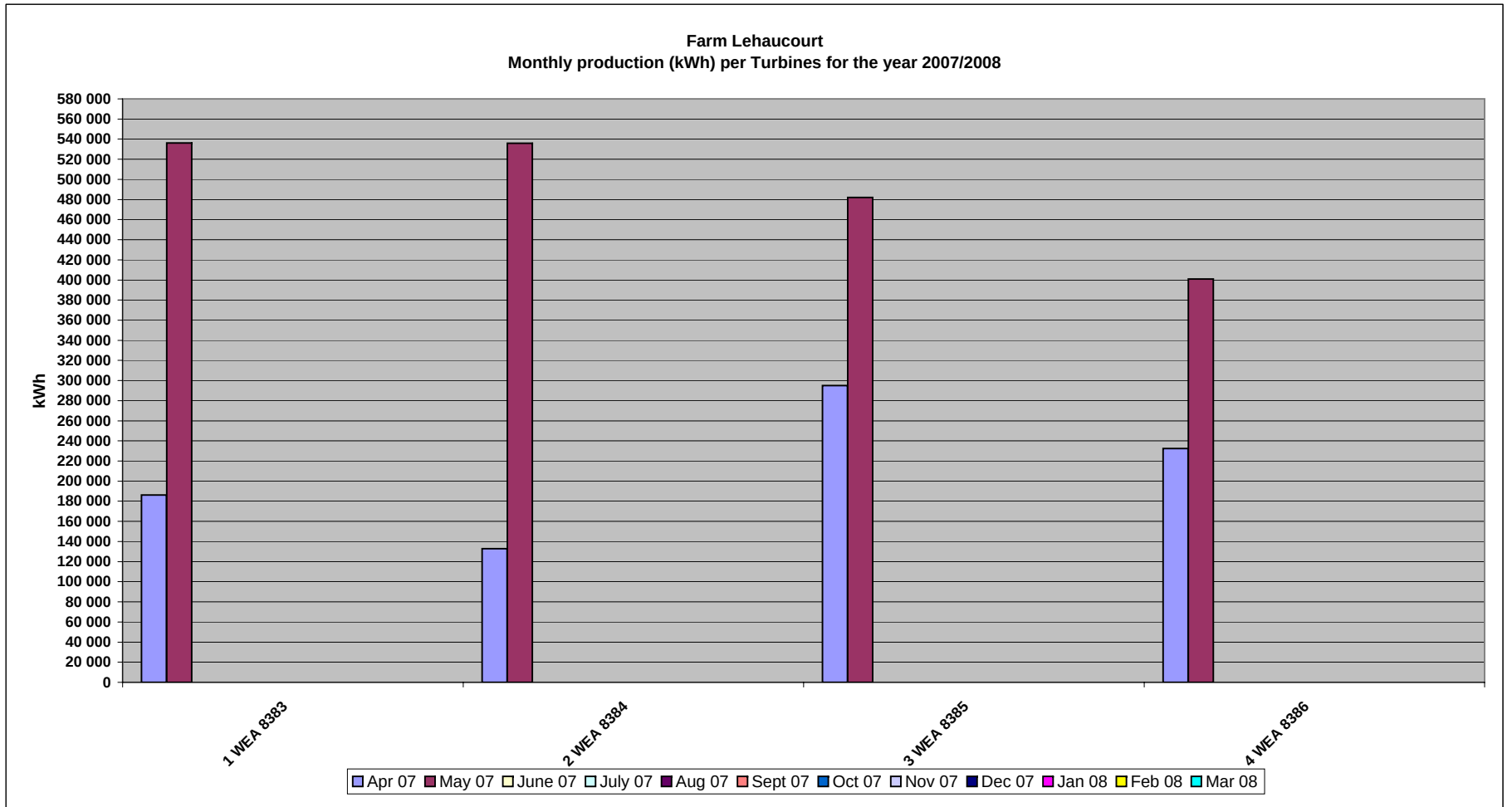
Wind Farm: Lehaucourt

Customer : Endesa France

Year of Exploitation 2007/2008 - Production (kWh) WTG / Months



	Apr 07	May 07	June 07	July 07	Aug 07	Sept 07	Oct 07	Nov 07	Dec 07	Jan 08	Feb 08	Mar 08	Year 2007/2008
1 WEA 8383	186 318	536 030											722 348
2 WEA 8384	132 892	535 971											668 863
3 WEA 8385	295 031	481 958											776 989
4 WEA 8386	232 487	400 806											633 293
Farm	846 728	1 954 765											2 801 493



**Wind Farm
Lehaucourt**

Customer :

Endesa France

Month :

May 07

Statistics of the production

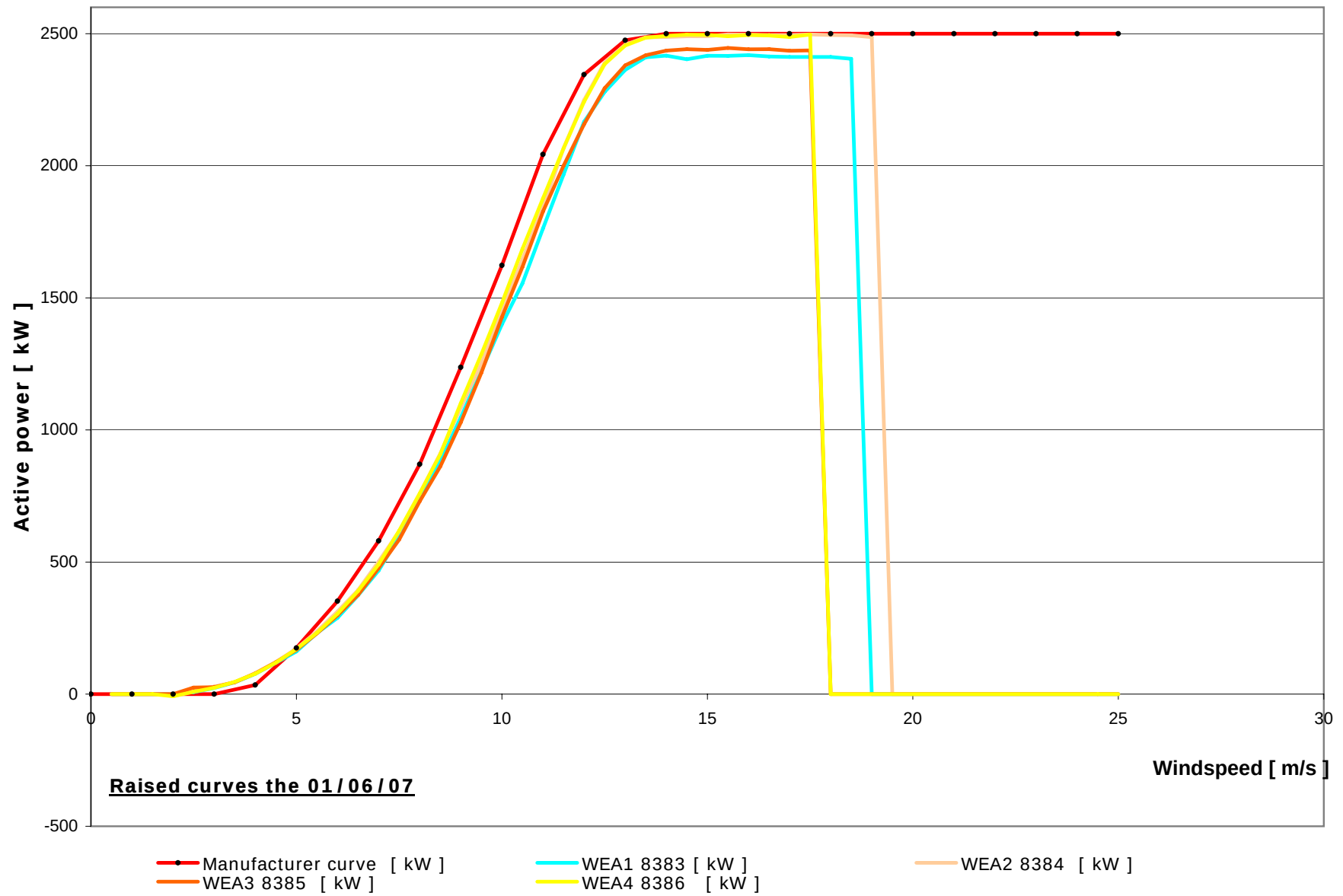
	Amount [kWh]	Estimate of the amount H.T. [€]	Estimate of the amount (with TVA)
Total Monthly Production of the Farm from the SCADA :	1 954 765	160 290,73 €	191 707,71 €
Cumulated Production of the Farm from the SCADA since the 01.04.2007 :	2 801 493	229 722,43 €	274 748,02 €
Total Production WindFarm from the SCADA cummulated since the erection :	1 191 000 6 240 072	23 820,00 € 511 685,93 €	28 488,72 € 611 976,37 €
Invoice of the EDF Gross Power supply	1 928 721	158 155,12 €	189 153,53 €
Data deviations WTGs - EDF [%]	1,350	Gross Power supply kWh from the EDF cummulated since the 01.04.2007	2 757 137,00 kWh

WTG	Monthly Production SCADA [kWh]	Production SCADA [kWh] since the 01.04.2007	Production SCADA [kWh] since the Erection
1 WEA 8383	536 030	722 348	2 036 140
2 WEA 8384	535 971	668 863	1 593 836
3 WEA 8385	481 958	776 989	1 948 704
4 WEA 8386	400 806	633 293	1 852 393
sum :	1 954 765	2 801 493	7 431 072

Comments :

Average Production per WTG
(From SCADA)

488 691



Wind Farm :
Lehaucourt

Customer :

Endesa France

Period :

May 2007



Status List

beginning :		end :				h / min / s		Maintenance				
WTG	date	hours	hours	code	error	actions/comments	AF/NAF	duration	Tstop/AF/ Im	T stop/NAF Tfm	T stop/NAF grid	T Im
1 WEA 8383	01-mai-07	11:58:42	01/05/2007 11:59:49	FM411	Wind DirSlanting Stop		AF	00:01:07	00:01:07			
	01-mai-07	13:20:08	02/05/2007 08:15:55	FM50	SafetyChain Activated	Check the parameters of the converter, the power supply, reset the error.	AF	18:55:47	18:55:47			
	02-mai-07	08:15:55	02/05/2007 08:16:02	FM11	PLC Reboot active		AF	00:00:07	00:00:07			
	02-mai-07	08:16:02	02/05/2007 08:18:52	FM6	WTG Manual Stop		AF	00:02:50	00:02:50			
	02-mai-07	08:18:52	02/05/2007 08:19:26	FM11	PLC Reboot active		AF	00:00:34	00:00:34			
	02-mai-07	08:19:26	02/05/2007 08:22:55	FM6	WTG Manual Stop		AF	00:03:29	00:03:29			
	02-mai-07	08:22:55	02/05/2007 08:26:43	FM50	SafetyChain Activated		AF	00:03:48	00:03:48			
	02-mai-07	08:26:43	02/05/2007 08:27:18	FM11	PLC Reboot active		AF	00:00:35	00:00:35			
	03-mai-07	10:46:18	03/05/2007 10:47:07	FM411	Wind DirSlanting Stop		AF	00:00:49	00:00:49			
	13-mai-07	14:03:53	13/05/2007 14:05:00	FM1201	Mi class A Fault		AF	00:01:07	00:01:07			
	14-mai-07	02:14:51	14/05/2007 02:15:57	FM1201	Mi class A Fault		AF	00:01:06	00:01:06			
	18-mai-07	22:30:59	18/05/2007 22:31:21	FM411	Wind DirSlanting Stop		AF	00:00:22	00:00:22			
	21-mai-07	19:50:01	21/05/2007 20:13:12	FM1003	Yaw CableRewind		NAF	00:23:11		00:23:11		
	24-mai-07	00:48:34	24/05/2007 00:48:35	FM1201	Mi class A Fault		AF	00:00:01	00:00:01			
	24-mai-07	00:48:35	24/05/2007 08:13:42	FM332	LV Griderror 660V Alarm	Grid disconnection	GE	07:25:07			07:25:07	
	24-mai-07	08:13:42	24/05/2007 08:14:17	FM11	PLC Reboot active		AF	00:00:35	00:00:35			
	24-mai-07	08:14:17	24/05/2007 08:14:22	FM8	WTG AutoRestart after GridError		NAF	00:00:05		00:00:05		
	24-mai-07	20:04:08	24/05/2007 20:04:09	FM1201	Mi class A Fault		AF	00:00:01	00:00:01			
	24-mai-07	20:04:09	25/05/2007 08:10:43	FM332	LV Griderror 660V Alarm	Grid disconnection. Restart the upc turbine. Assist BP Automation. Restart.	GE	12:06:34			12:06:34	
	25-mai-07	08:10:43	25/05/2007 08:11:18	FM11	PLC Reboot active		AF	00:00:35	00:00:35			
	25-mai-07	08:11:18	25/05/2007 08:11:23	FM8	WTG AutoRestart after GridError		NAF	00:00:05		00:00:05		
	27-mai-07	08:51:27	27/05/2007 08:51:57	FM340	LV Phaseshift 660V Alarm		NAF	00:00:30		00:00:30		
	27-mai-07	08:51:57	28/05/2007 07:54:56	FM8	WTG AutoRestart after GridError		NAF	23:02:59		23:02:59		
	28-mai-07	07:54:56	28/05/2007 07:55:31	FM11	PLC Reboot active		AF	00:00:35	00:00:35			
	28-mai-07	07:55:31	28/05/2007 07:55:36	FM8	WTG AutoRestart after GridError		NAF	00:00:05		00:00:05		
	28-mai-07	19:01:35	28/05/2007 19:01:36	FM1201	Mi class A Fault		AF	00:00:01	00:00:01			
	28-mai-07	19:01:36	29/05/2007 08:14:04	FM332	LV Griderror 660V Alarm	Grid disconnection	GE	13:12:28			13:12:28	
	29-mai-07	08:14:04	29/05/2007 08:14:39	FM11	PLC Reboot active		AF	00:00:35	00:00:35			
	29-mai-07	08:14:39	29/05/2007 08:19:37	FM8	WTG AutoRestart after GridError		NAF	00:04:58		00:04:58		
	29-mai-07	08:19:37	29/05/2007 08:36:07	FM57	Vib Y-direction eff. Stop		AF	00:16:30	00:16:30			
	29-mai-07	11:20:55	29/05/2007 11:20:56	FM1201	Mi class A Fault		AF	00:00:01	00:00:01			
	29-mai-07	11:20:56	30/05/2007 08:01:11	FM332	LV Griderror 660V Alarm	Grid disconnection. Reset the TGS.	GE	20:40:15			20:40:15	
	30-mai-07	08:01:11	30/05/2007 08:01:46	FM11	PLC Reboot active		AF	00:00:35	00:00:35			
	30-mai-07	08:01:46	30/05/2007 08:01:51	FM8	WTG AutoRestart after GridError		NAF	00:00:05		00:00:05		
							96,46					
							somme:	19:31:10	23:31:58	53:24:24	00:00:00	Im Total 19:31:10 NAF Total 76:56:22
								19,50	23,53	53,41	0,00	19,52 76,94
2 WEA 8384	10-mai-07	14:12:26	10/05/2007 14:12:43	FM411	Wind DirSlanting Stop		AF	00:00:17	00:00:17			
	13-mai-07	14:03:53	13/05/2007 14:04:59	FM1201	Mi class A Fault		AF	00:01:06	00:01:06			
	14-mai-07	01:59:38	14/05/2007 02:00:44	FM1201	Mi class A Fault		AF	00:01:06	00:01:06			
	14-mai-07	07:43:45	14/05/2007 07:44:02	FM411	Wind DirSlanting Stop		AF	00:00:17	00:00:17			
	15-mai-07	11:22:08	15/05/2007 11:22:29	FM411	Wind DirSlanting Stop		AF	00:00:20	00:00:20			
	15-mai-07	13:12:08	15/05/2007 13:30:09	FM419	Yaw HydBK not closed		AF	00:17:52	00:17:52			
	15-mai-07	13:32:07	17/05/2007 11:17:35	FM6	WTG Manual Stop	Inspection of the hydraulic system. Cleaning the turbine. Adjust the level oil. Test the yaw and hydraulic system.	AF	45:45:28	45:45:28			
	22-mai-07	02:21:31	22/05/2007 02:44:41	FM1003	Yaw CableRewind		NAF	00:23:10		00:23:10		
	24-mai-07	00:48:34	24/05/2007 00:48:35	FM1201	Mi class A Fault		AF	00:00:01	00:00:01			
	24-mai-07	00:48:35	24/05/2007 08:36:21	FM332	LV Griderror 660V Alarm	Grid disconnection	GE	07:47:46			07:47:46	
	24-mai-07	08:36:21	24/05/2007 08:36:56	FM11	PLC Reboot active		AF	00:00:35	00:00:35			
	24-mai-07	08:36:56	24/05/2007 08:37:32	FM8	WTG AutoRestart after GridError		NAF	00:00:36		00:00:36		
	24-mai-07	20:04:08	24/05/2007 20:04:09	FM1201	Mi class A Fault		AF	00:00:01	00:00:01			
	24-mai-07	20:04:09	25/05/2007 08:17:52	FM332	LV Griderror 660V Alarm	Grid disconnection. Restart the upc turbine. Assist BP Automation. Restart.	GE	12:13:43			12:13:43	
	25-mai-07	08:17:52	25/05/2007 08:18:27	FM11	PLC Reboot active		AF	00:00:35	00:00:35			
	25-mai-07	08:18:27	25/05/2007 08:19:03	FM8	WTG AutoRestart after GridError		NAF	00:00:36		00:00:36		
	27-mai-07	08:51:27	27/05/2007 08:51:57	FM340	LV Phaseshift 660V Alarm		NAF	00:00:30		00:00:30		
	27-mai-07	08:51:57	28/05/2007 08:03:30	FM8	WTG AutoRestart after GridError		NAF	23:11:33		23:11:33		
	28-mai-07	08:03:30	28/05/2007 08:04:05	FM11	PLC Reboot active		AF	00:00:35	00:00:35			
	28-mai-07	08:04:05	28/05/2007 08:04:42	FM8	WTG AutoRestart after GridError		NAF	00:00:37		00:00:37		
	28-mai-07	19:01:35	28/05/2007 19:01:36	FM1201	Mi class A Fault		AF	00:00:01	00:00:01			
	28-mai-07	19:01:36	29/05/2007 08:03:36	FM332	LV Griderror 660V Alarm	Grid disconnection	GE	13:02:00			13:02:00	
	29-mai-07	08:03:36	29/05/2007 08:04:13	FM11	PLC Reboot active		AF	00:00:36	00:00:36			
	29-mai-07	08:04:13	29/05/2007 08:04:47	FM8	WTG AutoRestart after GridError		NAF	00:00:35		00:00:35		
	29-mai-07	11:20:55	29/05/2007 11:20:56	FM1201	Mi class A Fault		AF	00:00:01	00:00:01			
	29-mai-07	11:20:56	30/05/2007 08:11:07	FM332	LV Griderror 660V Alarm	Grid disconnection. Reset the TGS.	GE	20:50:11			20:50:11	
	30-mai-07	08:11:07	30/05/2007 08:11:42	FM11	PLC Reboot active		AF	00:00:35	00:00:35			
	30-mai-07	08:11:42	30/05/2007 08:12:18	FM8	WTG AutoRestart after GridError		NAF	00:00:36		00:00:36		
	31-mai-07	09:37:56	31/05/2007 09:38:22	FM411	Wind DirSlanting Stop		AF	00:00:26	00:00:26			
	31-mai-07	19:50:25	31/05/2007 19:50:59	FM411	Wind DirSlanting Stop		AF	00:00:34	00:00:34			
							123,71					
							Summen:	46:10:26	23:38:13	53:53:40	00:00:00	Im Total 46:10:26 NAF Total 77:31:53
								46,17	23,64	53,89	0,00	46,17 77,53
3 WEA 8385	01-mai-07	15:57:02	01/05/2007 15:57:36	FM411	Wind DirSlanting Stop		AF	00:00:34	00:00:34			
	03-mai-07	13:50:31	03/05/07 13:51:04	FM411	Wind DirSlanting Stop		AF	00:00:33	00:00:33			
	03-mai-07	14:34:14	03/05/07 14:34:52	FM411	Wind DirSlanting Stop		AF	00:00:38	00:00:38			
	05-mai-07	23:17:59	06/05/07 05:22:05	FM165	Gear OilLevel 1 L Stopp		AF	06:04:06	06:04:06			
	06-mai-07	05:31:34	06/05/07 06:06:15	FM6	WTG Manual Stop		AF	00:34:41	00:34:41			
	06-mai-07	13:05:49	06/05/07 13:28:52	FM411	Wind DirSlanting Stop		AF	00:02:03	00:02:03			
	10-mai-07	14:39:24	10/05/07 14:39:49	FM411	Wind DirSlanting Stop		AF	00:00:25	00:00:25			
	10-mai-07	22:51:56	10/05/07 23:24:20	FM1175	Pitch3 Batt.contactor Error		AF	00:32:24	00:32:24			
	11-mai-07	22:14:50	11/05/07 22:15:08	FM411	Wind DirSlanting Stop		AF	00:00:18	00:00:18			
	13-mai-07	11:46:08	13/05/07 12:07:45	FM165	Gear OilLevel 1 L Stopp		AF	00:21:37	00:21:37			
	13-mai-07	12:29:10	13/05/07 12:35:26	FM165	Gear OilLevel 1 L Stopp		AF	00:06:16	00:06:16			
	13-mai-07	12:42:48	14/05/07 05:06:27	FM165	Gear OilLevel 1 L Stopp		AF	16:23:39	16:23:39			

14-mai-07	05:06:27	14/05/07 05:06:40	FM6	WTG Manual Stop		AF	00:00:13	00:00:13				
14-mai-07	20:39:24	14/05/07 22:22:54	FM165	Gear Oil Level 1 L Stopp		AF	01:43:30	01:43:30				
14-mai-07	22:26:40	15/05/07 06:13:07	FM6	WTG Manual Stop		AF	07:46:27	07:46:27				
15-mai-07	06:14:25	15/05/07 08:10:29	FM165	Gear Oil Level 1 L Stopp		AF	01:56:04	01:56:04				
15-mai-07	08:29:52	15/05/07 11:05:17	FM6	WTG Manual Stop	Adjust the level oil after checked the sensors and the winings in the topbox.	AF	02:35:25	02:35:25				
15-mai-07	11:07:06	15/05/07 11:07:26	FM1175	Pitch3 Batt.contactor Error		AF	00:00:20	00:00:20				
21-mai-07	19:48:02	21/05/07 20:11:13	FM1003	Yaw Cable Rewind		NAF	00:23:11		00:23:11			
22-mai-07	11:40:10	22/05/07 11:41:22	FM1175	Pitch3 Batt.contactor Error		AF	00:01:12	00:01:12				
23-mai-07	15:22:41	23/05/07 15:23:00	FM411	Wind DirSlanting Stop		AF	00:00:19	00:00:19				
24-mai-07	00:48:34	24/05/2007 00:48:35	FM1201	Mi class A Fault		AF	00:00:01	00:00:01				
24-mai-07	00:48:35	24/05/2007 08:42:53	FM332	LV Griderror 660V Alarm	Grid disconnection	GE	07:54:18			07:54:18		
24-mai-07	08:42:53	24/05/2007 08:43:28	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
24-mai-07	08:43:28	24/05/2007 08:50:32	FM8	WTG AutoRestart after GridError		NAF	00:07:04		00:07:04			
24-mai-07	08:50:32	24/05/2007 09:01:24	FM1155	Pitchangle 3 Diff.Set-Act		AF	00:10:52	00:10:52				
24-mai-07	09:01:24	24/05/2007 09:01:36	FM11	PLC Reboot active		AF	00:00:12	00:00:12				
24-mai-07	09:01:36	24/05/2007 09:07:18	FM619	WFM CommunicationFault Stop		NAF	00:05:42		00:05:42			
24-mai-07	09:07:18	24/05/2007 09:07:18	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
24-mai-07	09:07:53	24/05/2007 09:11:29	FM300	LV MainSwitch OFF		AF	00:03:36	00:03:36				
24-mai-07	09:11:29	24/05/2007 09:13:18	FM1201	Mi class A Fault		AF	00:01:49	00:01:49				
24-mai-07	09:13:18	24/05/2007 09:13:32	FM619	WFM CommunicationFault Stop		NAF	00:00:14		00:00:14			
24-mai-07	20:04:08	24/05/2007 20:04:09	FM1201	Mi class A Fault		AF	00:00:01	00:00:01				
24-mai-07	20:04:09	25/05/2007 08:28:12	FM332	LV Griderror 660V Alarm	Grid disconnection. Restart the upc turbine. Assist BP Automation. Restart.	GE	12:24:03			12:24:03		
25-mai-07	08:28:12	25/05/2007 08:28:47	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
25-mai-07	08:28:47	25/05/2007 08:29:23	FM8	WTG AutoRestart after GridError		NAF	00:00:36		00:00:36			
25-mai-07	11:42:33	25/05/07 13:22:04	FM1175	Pitch3 Batt.contactor Error		AF	01:39:31	01:39:31				
27-mai-07	08:51:27	27/05/07 08:51:57	FM340	LV Phaseshift 660V Alarm		NAF	00:00:30		00:00:30			
27-mai-07	08:51:57	28/05/07 08:13:17	FM8	WTG AutoRestart after GridError		NAF	23:21:20		23:21:20			
28-mai-07	08:13:17	28/05/07 08:13:52	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
28-mai-07	08:13:52	28/05/07 08:14:28	FM8	WTG AutoRestart after GridError		NAF	00:00:36		00:00:36			
28-mai-07	19:01:35	28/05/2007 19:01:36	FM1201	Mi class A Fault		AF	00:00:01	00:00:01				
28-mai-07	19:01:36	29/05/2007 07:53:58	FM332	LV Griderror 660V Alarm	Grid disconnection	GE	12:52:22			12:52:22		
29-mai-07	07:53:58	29/05/2007 07:54:33	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
29-mai-07	07:54:33	29/05/2007 07:58:49	FM8	WTG AutoRestart after GridError		NAF	00:04:16		00:04:16			
29-mai-07	07:58:49	29/05/2007 07:59:22	FM11	PLC Reboot active		AF	00:00:33	00:00:33				
29-mai-07	07:59:22	29/05/2007 08:04:34	FM8	WTG AutoRestart after GridError		NAF	00:05:12		00:05:12			
29-mai-07	08:09:20	29/05/07 08:09:33	FM1175	Pitch3 Batt.contactor Error		AF	00:00:13	00:00:13				
29-mai-07	11:20:55	29/05/2007 11:20:56	FM1201	Mi class A Fault		AF	00:00:01	00:00:01				
29-mai-07	11:20:56	30/05/2007 08:23:10	FM332	LV Griderror 660V Alarm	Grid disconnection. Reset the TGS.	GE	21:02:14			21:02:14		
30-mai-07	08:23:10	30/05/2007 08:23:45	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
30-mai-07	08:23:45	30/05/2007 08:24:21	FM8	WTG AutoRestart after GridError		NAF	00:00:36		00:00:36			
30-mai-07	08:31:13	30/05/2007 08:31:48	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
30-mai-07	08:32:26	30/05/2007 08:33:01	FM619	WFM CommunicationFault Stop		NAF	00:00:35		00:00:35			
							118,57			Im Total	NAF Total	
							Summen:	40:11:39	24:09:52	54:12:57	00:00:00	
								40,18	24,16	54,22	0,00	40,19 78,22:49

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01-mai-07	14:14:41	01/05/2007 14:15:01	FM411	Wind DirSlanting Stop		AF	00:00:20	00:00:20				
01-mai-07	14:33:37	01/05/07 14:34:02	FM411	Wind DirSlanting Stop		AF	00:00:25	00:00:25				
02-mai-07	12:57:12	02/05/07 12:57:59	FM411	Wind DirSlanting Stop		AF	00:00:47	00:00:47				
06-mai-07	12:08:01	06/05/07 12:08:23	FM411	Wind DirSlanting Stop		AF	00:00:22	00:00:22				
07-mai-07	07:52:27	07/05/07 07:53:33	FM1201	Mi class A Fault		AF	00:01:06	00:01:06				
07-mai-07	07:53:33	09/05/07 09:12:05	FM1209	Mi class C (Service) Fault	Change the IGBT, the gate drive, the power supply 24. Adjust the parameters of the new components and restart.	AF	49:18:32	49:18:32				
09-mai-07	09:12:05	09/05/07 09:12:26	FM6	WTG Manual Stop		AF	00:00:21	00:00:21				
09-mai-07	10:22:17	09/05/07 10:50:15	FM1161	Pitch2 battery charger defect		AF	00:27:58	00:27:58				
09-mai-07	10:50:15	09/05/07 10:50:50	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
09-mai-07	10:51:03	09/05/07 10:51:29	FM700	IBS Interbus Stop		AF	00:00:26	00:00:26				
09-mai-07	10:51:29	09/05/07 11:23:29	FM1161	Pitch2 battery charger defect		AF	00:32:00	00:32:00				
09-mai-07	11:23:29	09/05/07 11:55:45	FM6	WTG Manual Stop		AF	00:32:16	00:32:16				
09-mai-07	11:55:45	09/05/07 12:39:39	FM1201	Mi class A Fault		AF	00:43:54	00:43:54				
09-mai-07	12:39:39	09/05/07 12:41:44	FM700	IBS Interbus Stop		AF	00:02:05	00:02:05				
09-mai-07	12:45:48	09/05/07 13:04:43	FM1161	Pitch2 battery charger defect		AF	00:18:55	00:18:55				
09-mai-07	13:04:43	09/05/07 13:17:33	FM6	WTG Manual Stop	Check the parameters. Adjust them and restart.	AF	00:12:50	00:12:50				
09-mai-07	13:30:00	09/05/07 13:37:25	FM6	WTG Manual Stop		AF	00:07:25	00:07:25				
09-mai-07	22:36:23	10/05/07 11:24:08	FM1161	Pitch2 battery charger defect		AF	12:47:45	12:47:45				
10-mai-07	11:24:08	10/05/07 13:42:10	FM6	WTG Manual Stop	Control the pitch box and restart.	AF	02:18:02	02:18:02				
11-mai-07	10:23:37	11/05/07 11:10:03	FM6	WTG Manual Stop		AF	00:46:26	00:46:26				
11-mai-07	11:14:31	11/05/07 11:16:28	FM6	WTG Manual Stop		AF	00:01:57	00:01:57				
11-mai-07	11:21:54	11/05/07 14:07:18	FM6	WTG Manual Stop	Change the wind direction right system.	AF	02:45:24	02:45:24				
13-mai-07	14:03:53	13/05/07 14:04:59	FM1201	Mi class A Fault		AF	00:01:06	00:01:06				
14-mai-07	02:11:26	14/05/07 02:12:32	FM1201	Mi class A Fault		AF	00:01:06	00:01:06				
22-mai-07	02:40:50	22/05/07 03:04:00	FM1003	Yaw Cable Rewind		NAF	00:23:10		00:23:10			
24-mai-07	00:48:34	24/05/2007 00:48:35	FM1201	Mi class A Fault		AF	00:00:01	00:00:01				
24-mai-07	00:48:35	24/05/2007 08:03:09	FM332	LV Griderror 660V Alarm	Grid disconnection	GE	07:14:34			07:14:34		
24-mai-07	08:03:09	24/05/2007 08:03:44	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
24-mai-07	08:03:44	24/05/2007 08:10:48	FM8	WTG AutoRestart after GridError		NAF	00:07:04		00:07:04			
24-mai-07	08:10:48	24/05/2007 08:35:54	FM619	WFM CommunicationFault Stop		NAF	00:25:06		00:25:06			
24-mai-07	20:04:08	24/05/2007 20:04:09	FM1201	Mi class A Fault		AF	00:00:01	00:00:01				
24-mai-07	20:04:09	25/05/2007 08:04:38	FM332	LV Griderror 660V Alarm	Grid disconnection. Restart the upc turbine. Assist BP Automation. Restart.	GE	12:00:29			12:00:29		
25-mai-07	08:04:38	25/05/2007 08:05:13	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
25-mai-07	08:05:13	25/05/2007 08:12:17	FM8	WTG AutoRestart after GridError		NAF	00:07:04		00:07:04			
25-mai-07	08:12:17	25/05/2007 08:18:37	FM619	WFM CommunicationFault Stop		NAF	00:06:20		00:06:20			
27-mai-07	08:51:27	27/05/2007 08:51:57	FM340	LV Phaseshift 660V Alarm		NAF	00:00:30		00:00:30			
27-mai-07	08:51:57	28/05/2007 07:47:15	FM8	WTG AutoRestart after GridError		NAF	22:55:18		22:55:18			
28-mai-07	07:47:15	28/05/2007 07:47:59	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
28-mai-07	07:47:59	28/05/2007 07:54:54	FM8	WTG AutoRestart after GridError		NAF	00:07:04		00:07:04			
28-mai-07	07:54:54	28/05/2007 08:04:23	FM619	WFM CommunicationFault Stop		NAF	00:09:29		00:09:29			
28-mai-07	19:01:35	29/05/2007 19:01:36	FM1201	Mi class A Fault		AF	00:00:01	00:00:01				
28-mai-07	19:01:36	29/05/2007 07:48:40	FM332	LV Griderror 660V Alarm	Grid disconnection	GE	12:47:04			12:47:04		
29-mai-07	07:48:40	29/05/2007 07:49:15	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
29-mai-07	07:49:15	29/05/2007 07:56:19	FM8	WTG AutoRestart after GridError		NAF	00:07:04		00:07:04			
29-mai-07	07:56:19	29/05/2007 08:04:31	FM619	WFM CommunicationFault Stop		NAF	00:08:12		00:08:12			
29-mai-07	11:20:55	30/05/2007 07:51:35	FM332	LV Griderror 660V Alarm	Grid disconnection. Reset the TGS.	GE	20:30:40			20:30:40		
30-mai-07	07:51:35	30/05/2007 07:52:10	FM11	PLC Reboot active		AF	00:00:35	00:00:35				
30-mai-07	07:52:10	30/05/2007 07:59:14	FM8	WTG AutoRestart after GridError		NAF	00:07:04		00:07:04			

AVAILABILITY

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ACTIVE POWER

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POWER CURVE

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PREVENT MAINTENANCE

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CORRECTIVE MAINTENANCE

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UPGRADING REGISTER

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MISCELLEANOUS:

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