

Date
Videbæk, Friday, 23rd of January 2015

Description: Fullabrook "2761_P04_2014-11-17_EXT1_Fullabrook_Further_Updated_Mitigation_Strategy"
Account: ESBI Engineering Ltd.
Contact Person: Alan Canty
Request process: Direct Reply
Project No: 19488
Service Team: C-Support NorthEMEA WTG Engineering & Support
Employee Responsible: Mr. Lars Peter Hansen
Employee SCADA: Mr. Carsten Holm Jensen
Employee Requestor: Mr. Frederick Greene

I can hereby confirm that Vestas has finished the implementation of the noise mitigation strategy in all the turbines and also on the SCADA system at Fullabrook wind farm.

The turbines and the SCADA system are now operating with settings according to the document 2761_P04_2014-11-17_EXT1_Fullabrook_Further_Updated_Mitigation_Strategy.....xlsx.

The Vestas SCADA specialist has developed and introduced the Sector Wind Direction Pause system controlled by the Power Plant Controller.

This new feature was successfully tested and reviewed in the time period from Thursday, January 15th 2015 to Tuesday, January 20th 2015.

The Sector Wind Direction Pause system was fully integrated and activated on the Fullabrook SCADA system on Wednesday, January 21st 2015.

On the following pages you will find a table showing an overview of the current turbine noise settings and the time when they were entered and verified in the turbines. Also a table with SCADA settings has been added to this document.

On the last page in the document you will find a screenshot showing the SCADA settings for the Sector Wind Direction Pause system, which is part of the noise mitigation strategy.











Updated Friday, 06 March 2015: short description of VTM Turbine Parameter Monitoring on page 8




Yours sincerely
Lars Peter Hansen
Engineering Northern Hub
Global Service, EMEA



Turbine mitigation strategy:





Turbine ID	Generator strategy	Mitigation Sector Parameters for NRMS	Date and time for the implementation of Mitigation Strategy dd-mm-yyyy hh:mm:ss	Initials																					
41307/WTG01	Delta mode only	<table><tr><td>Turbine 1</td><td>Sector 1</td><td>Sector 2</td></tr><tr><td>Operational Mode Required</td><td>6</td><td>3</td></tr><tr><td>Min Wind Speed</td><td>5,3</td><td>11,2</td></tr><tr><td>Max Wind Speed</td><td>11,2</td><td>14,0</td></tr><tr><td>Min Wind Direction</td><td>0</td><td>0</td></tr><tr><td>Max Wind Direction</td><td>270</td><td>270</td></tr><tr><td>Overall Time Period</td><td colspan="2">0700 - 2300</td></tr></table>	Turbine 1	Sector 1	Sector 2	Operational Mode Required	6	3	Min Wind Speed	5,3	11,2	Max Wind Speed	11,2	14,0	Min Wind Direction	0	0	Max Wind Direction	270	270	Overall Time Period	0700 - 2300		14-01-2015 10:30:18	LPH JPH
Turbine 1	Sector 1	Sector 2																							
Operational Mode Required	6	3																							
Min Wind Speed	5,3	11,2																							
Max Wind Speed	11,2	14,0																							
Min Wind Direction	0	0																							
Max Wind Direction	270	270																							
Overall Time Period	0700 - 2300																								
41308/WTG02	Delta mode only	<table><tr><td>Turbine 2</td><td>Sector 1</td><td>Sector 2</td></tr><tr><td>Operational Mode Required</td><td>1</td><td>6</td></tr><tr><td>Min Wind Speed</td><td>5,3</td><td>5,3</td></tr><tr><td>Max Wind Speed</td><td>14,0</td><td>14,0</td></tr><tr><td>Min Wind Direction</td><td>0</td><td>30</td></tr><tr><td>Max Wind Direction</td><td>30</td><td>180</td></tr><tr><td>Overall Time Period</td><td colspan="2">24/7</td></tr></table>	Turbine 2	Sector 1	Sector 2	Operational Mode Required	1	6	Min Wind Speed	5,3	5,3	Max Wind Speed	14,0	14,0	Min Wind Direction	0	30	Max Wind Direction	30	180	Overall Time Period	24/7		19-01-2015 07:00:25	LPH JPH
Turbine 2	Sector 1	Sector 2																							
Operational Mode Required	1	6																							
Min Wind Speed	5,3	5,3																							
Max Wind Speed	14,0	14,0																							
Min Wind Direction	0	30																							
Max Wind Direction	30	180																							
Overall Time Period	24/7																								
41309/WTG03	Delta mode only	<table><tr><td>Turbine 3</td><td>Sector 1</td><td>Sector 2</td></tr><tr><td>Operational Mode Required</td><td>4</td><td>4</td></tr><tr><td>Min Wind Speed</td><td>7,3</td><td>9,9</td></tr><tr><td>Max Wind Speed</td><td>16,8</td><td>16,8</td></tr><tr><td>Min Wind Direction</td><td>0</td><td>180</td></tr><tr><td>Max Wind Direction</td><td>180</td><td>0</td></tr><tr><td>Overall Time Period</td><td colspan="2">0700-2300</td></tr></table>	Turbine 3	Sector 1	Sector 2	Operational Mode Required	4	4	Min Wind Speed	7,3	9,9	Max Wind Speed	16,8	16,8	Min Wind Direction	0	180	Max Wind Direction	180	0	Overall Time Period	0700-2300		13-01-2015 11:51:11	LPH JPH
Turbine 3	Sector 1	Sector 2																							
Operational Mode Required	4	4																							
Min Wind Speed	7,3	9,9																							
Max Wind Speed	16,8	16,8																							
Min Wind Direction	0	180																							
Max Wind Direction	180	0																							
Overall Time Period	0700-2300																								
41310/WTG04	Delta mode only	<table><tr><td>Turbine 4</td><td>Sector 1</td><td>Sector 2</td></tr><tr><td>Operational Mode Required</td><td>6</td><td>4</td></tr><tr><td>Min Wind Speed</td><td>3,9</td><td>10,3</td></tr><tr><td>Max Wind Speed</td><td>10,3</td><td>17,3</td></tr><tr><td>Min Wind Direction</td><td>all directions</td><td>all directions</td></tr><tr><td>Max Wind Direction</td><td>all directions</td><td>all directions</td></tr><tr><td>Overall Time Period</td><td colspan="2">24/7</td></tr></table>	Turbine 4	Sector 1	Sector 2	Operational Mode Required	6	4	Min Wind Speed	3,9	10,3	Max Wind Speed	10,3	17,3	Min Wind Direction	all directions	all directions	Max Wind Direction	all directions	all directions	Overall Time Period	24/7		13-01-2015 12:45:00	LPH JPH
Turbine 4	Sector 1	Sector 2																							
Operational Mode Required	6	4																							
Min Wind Speed	3,9	10,3																							
Max Wind Speed	10,3	17,3																							
Min Wind Direction	all directions	all directions																							
Max Wind Direction	all directions	all directions																							
Overall Time Period	24/7																								
41311/WTG05	Delta mode only	<table><tr><td>Turbine 5</td><td>Sector 1</td><td>Sector 2</td></tr><tr><td>Operational Mode Required</td><td>N/A</td><td>N/A</td></tr><tr><td>Min Wind Speed</td><td>N/A</td><td>N/A</td></tr><tr><td>Max Wind Speed</td><td>N/A</td><td>N/A</td></tr><tr><td>Min Wind Direction</td><td>N/A</td><td>N/A</td></tr><tr><td>Max Wind Direction</td><td>N/A</td><td>N/A</td></tr><tr><td>Overall Time Period</td><td colspan="2">N/A</td></tr></table>	Turbine 5	Sector 1	Sector 2	Operational Mode Required	N/A	N/A	Min Wind Speed	N/A	N/A	Max Wind Speed	N/A	N/A	Min Wind Direction	N/A	N/A	Max Wind Direction	N/A	N/A	Overall Time Period	N/A		13-01-2015 08:07:48	LPH JPH
Turbine 5	Sector 1	Sector 2																							
Operational Mode Required	N/A	N/A																							
Min Wind Speed	N/A	N/A																							
Max Wind Speed	N/A	N/A																							
Min Wind Direction	N/A	N/A																							
Max Wind Direction	N/A	N/A																							
Overall Time Period	N/A																								
41312/WTG06	Delta mode only	<table><tr><td>Turbine 6</td><td>Sector 1</td><td>Sector 2</td></tr><tr><td>Operational Mode Required</td><td>6</td><td>4</td></tr><tr><td>Min Wind Speed</td><td>3,9</td><td>10,3</td></tr><tr><td>Max Wind Speed</td><td>10,3</td><td>17,3</td></tr><tr><td>Min Wind Direction</td><td>all directions</td><td>all directions</td></tr><tr><td>Max Wind Direction</td><td>all directions</td><td>all directions</td></tr><tr><td>Overall Time Period</td><td colspan="2">24/7</td></tr></table>	Turbine 6	Sector 1	Sector 2	Operational Mode Required	6	4	Min Wind Speed	3,9	10,3	Max Wind Speed	10,3	17,3	Min Wind Direction	all directions	all directions	Max Wind Direction	all directions	all directions	Overall Time Period	24/7		13-01-2015 12:52:50	LPH JPH
Turbine 6	Sector 1	Sector 2																							
Operational Mode Required	6	4																							
Min Wind Speed	3,9	10,3																							
Max Wind Speed	10,3	17,3																							
Min Wind Direction	all directions	all directions																							
Max Wind Direction	all directions	all directions																							
Overall Time Period	24/7																								
41313/WTG07	Delta mode only	<table><tr><td>Turbine 7</td><td>Sector 1</td><td>Sector 2</td></tr><tr><td>Operational Mode Required</td><td>6</td><td>2</td></tr><tr><td>Min Wind Speed</td><td>5,3</td><td>5,3</td></tr><tr><td>Max Wind Speed</td><td>15,5</td><td>14,0</td></tr><tr><td>Min Wind Direction</td><td>270</td><td>30</td></tr><tr><td>Max Wind Direction</td><td>30</td><td>270</td></tr><tr><td>Overall Time Period</td><td colspan="2">24/7</td></tr></table>	Turbine 7	Sector 1	Sector 2	Operational Mode Required	6	2	Min Wind Speed	5,3	5,3	Max Wind Speed	15,5	14,0	Min Wind Direction	270	30	Max Wind Direction	30	270	Overall Time Period	24/7		13-01-2015 08:57:28	LPH JPH
Turbine 7	Sector 1	Sector 2																							
Operational Mode Required	6	2																							
Min Wind Speed	5,3	5,3																							
Max Wind Speed	15,5	14,0																							
Min Wind Direction	270	30																							
Max Wind Direction	30	270																							
Overall Time Period	24/7																								
41314/WTG08	Delta mode only	<table><tr><td>Turbine 8</td><td>Sector 1</td><td>Sector 2</td></tr><tr><td>Operational Mode Required</td><td>N/A</td><td>N/A</td></tr><tr><td>Min Wind Speed</td><td>N/A</td><td>N/A</td></tr><tr><td>Max Wind Speed</td><td>N/A</td><td>N/A</td></tr><tr><td>Min Wind Direction</td><td>N/A</td><td>N/A</td></tr><tr><td>Max Wind Direction</td><td>N/A</td><td>N/A</td></tr><tr><td>Overall Time Period</td><td colspan="2">N/A</td></tr></table>	Turbine 8	Sector 1	Sector 2	Operational Mode Required	N/A	N/A	Min Wind Speed	N/A	N/A	Max Wind Speed	N/A	N/A	Min Wind Direction	N/A	N/A	Max Wind Direction	N/A	N/A	Overall Time Period	N/A		13-01-2015 09:05:21	LPH JPH
Turbine 8	Sector 1	Sector 2																							
Operational Mode Required	N/A	N/A																							
Min Wind Speed	N/A	N/A																							
Max Wind Speed	N/A	N/A																							
Min Wind Direction	N/A	N/A																							
Max Wind Direction	N/A	N/A																							
Overall Time Period	N/A																								
41315/WTG09	Delta mode only	<table><tr><td>Turbine 9</td><td>Sector 1</td><td>Sector 2</td></tr><tr><td>Operational Mode Required</td><td>6</td><td>4</td></tr><tr><td>Min Wind Speed</td><td>3,9</td><td>9,9</td></tr><tr><td>Max Wind Speed</td><td>9,9</td><td>17,3</td></tr><tr><td>Min Wind Direction</td><td>180</td><td>180</td></tr><tr><td>Max Wind Direction</td><td>30</td><td>30</td></tr><tr><td>Overall Time Period</td><td colspan="2">24/7</td></tr></table>	Turbine 9	Sector 1	Sector 2	Operational Mode Required	6	4	Min Wind Speed	3,9	9,9	Max Wind Speed	9,9	17,3	Min Wind Direction	180	180	Max Wind Direction	30	30	Overall Time Period	24/7		13-01-2015 09:21:27	LPH JPH
Turbine 9	Sector 1	Sector 2																							
Operational Mode Required	6	4																							
Min Wind Speed	3,9	9,9																							
Max Wind Speed	9,9	17,3																							
Min Wind Direction	180	180																							
Max Wind Direction	30	30																							
Overall Time Period	24/7																								

Turbine ID	Generator strategy	Mitigation Sector Parameters for NRMS			Date and time for the implementation of Mitigation Strategy dd-mm-yyyy hh:mm:ss	Initials
41316/WTG10	Delta mode only	Turbine 10	Sector 1	Sector 2	13-01-2015 13:53:17	LPH 
		Operational Mode Required	6	4		
		Min Wind Speed	3,3	3,2		
		Max Wind Speed	3,2	17,3		
		Min Wind Direction	all directions	all directions		
		Max Wind Direction	all directions	all directions		
		Overall Time Period	24/7			
41317/WTG11	Delta mode only	Turbine 11	Sector 1	Sector 2	13-01-2015 13:06:57	LPH 
		Operational Mode Required	6	4		
		Min Wind Speed	3,3	3,2		
		Max Wind Speed	3,2	17,3		
		Min Wind Direction	all directions	all directions		
		Max Wind Direction	all directions	all directions		
		Overall Time Period	24/7			
41318/WTG12	Delta mode only	Turbine 12	Sector 1	Sector 2	13-01-2015 10:25:19	LPH 
		Operational Mode Required	4	3		
		Min Wind Speed	3,3	5,3		
		Max Wind Speed	17,3	14,0		
		Min Wind Direction	180	30		
		Max Wind Direction	30	180		
		Overall Time Period	24/7			
41319/WTG13	Delta mode only	Turbine 13	Sector 1	Sector 2	13-01-2015 13:20:19	LPH 
		Operational Mode Required	6	4		
		Min Wind Speed	3,3	3,2		
		Max Wind Speed	3,2	17,3		
		Min Wind Direction	all directions	all directions		
		Max Wind Direction	all directions	all directions		
		Overall Time Period	24/7			
41320/WTG14	Delta mode only	Turbine 14	Sector 1	Sector 2	13-01-2015 10:56:33	LPH 
		Operational Mode Required	4	3		
		Min Wind Speed	3,3	7,3		
		Max Wind Speed	17,3	12,4		
		Min Wind Direction	180	30		
		Max Wind Direction	30	180		
		Overall Time Period	24/7			
41321/WTG15	Delta mode only	Turbine 15	Sector 1	Sector 2	13-01-2015 13:38:40	LPH 
		Operational Mode Required	3	4		
		Min Wind Speed	5,3	8,6		
		Max Wind Speed	8,6	17,3		
		Min Wind Direction	0	all directions		
		Max Wind Direction	270	all directions		
		Overall Time Period	24/7			
41322/WTG16	Delta mode only	Turbine 16	Sector 1	Sector 2	13-01-2015 12:08:23	LPH 
		Operational Mode Required	3	4		
		Min Wind Speed	5,3	7,4		
		Max Wind Speed	7,4	17,3		
		Min Wind Direction	30	all directions		
		Max Wind Direction	0	all directions		
		Overall Time Period	24/7			
41323/WTG17	Delta mode only	Turbine 17	Sector 1	Sector 2	13-01-2015 12:23:19	LPH 
		Operational Mode Required	3	4		
		Min Wind Speed	5,3	8,6		
		Max Wind Speed	8,6	17,3		
		Min Wind Direction	30	all directions		
		Max Wind Direction	0	all directions		
		Overall Time Period	24/7			
41324/WTG18	Delta mode only	Turbine 18	Sector 1	Sector 2	13-01-2015 12:39:04	LPH 
		Operational Mode Required	6	4		
		Min Wind Speed	5,3	3,2		
		Max Wind Speed	3,2	17,3		
		Min Wind Direction	all directions	all directions		
		Max Wind Direction	all directions	all directions		
		Overall Time Period	24/7			
41325/WTG19	Delta mode only	Turbine 19	Sector 1	Sector 2	14-01-2015 07:09:46	LPH 
		Operational Mode Required	6	4		
		Min Wind Speed	5,3	8,6		
		Max Wind Speed	8,6	17,3		
		Min Wind Direction	180	180		
		Max Wind Direction	30	30		
		Overall Time Period	24/7			

Turbine ID	Generator strategy	Mitigation Sector Parameters for NRMS			Date and time for the implementation of Mitigation Strategy dd-mm-yyyy hh:mm:ss	Initials
41326/WTG20	Delta mode only	Turbine 20	Sector 1	Sector 2	14-01-2015 07:33:27	LPH 
		Operational Mode Required	6	4		
		Min 'Wind Speed	5,3	8,6		
		Max 'Wind Speed	8,6	17,3		
		Min 'Wind Direction	270	all directions		
		Max 'Wind Direction	180	all directions		
		Overall Time Period	24/7			
41327/WTG21	Delta mode only	Turbine 21	Sector 1	Sector 2	14-01-2015 08:18:06	LPH 
		Operational Mode Required	6	4		
		Min 'Wind Speed	5,3	8,6		
		Max 'Wind Speed	8,6	17,3		
		Min 'Wind Direction	270	all directions		
		Max 'Wind Direction	180	all directions		
		Overall Time Period	24/7			
41328/WTG22	Delta mode only	Turbine 22	Sector 1	Sector 2	14-01-2015 08:38:22	LPH 
		Operational Mode Required	4	N/A		
		Min 'Wind Speed	7,3	N/A		
		Max 'Wind Speed	17,3	N/A		
		Min 'Wind Direction	180	N/A		
		Max 'Wind Direction	90	N/A		
		Overall Time Period	24/7			

SCADA mitigation strategy:

SCADA system	VOB	Initials
Park title	Fullabrook	
Country	United Kingdom	
WSMS developed	Week 2 and 3	CHJ
WSMS tested finished	21-01-2015	CHJ
WSMS Start-up date	21-01-2015	CHJ

Turbine ID	Sector Wind Direction Pause system From SCADA			Date and time for the implementation of Mitigation Strategy dd-mm-yyyy hh:mm	Initials
41317/WTG11		Shut Down 1	Shut Down 2	21-01-2015 15:00	C HJ 
	Min 'Wind Speed	12,2	-		
	Max 'Wind Speed	17,3	-		
	Min 'Wind Direction	270	-		
	Max 'Wind Direction	0	-		
	Time Period	2300-0700	-		
41319/WTG13		Shut Down 1	Shut Down 2	21-01-2015 15:00	C HJ 
	Min 'Wind Speed	12,2	-		
	Max 'Wind Speed	17,3	-		
	Min 'Wind Direction	270	-		
	Max 'Wind Direction	0	-		
	Time Period	2300-0700	-		
41322/WTG16		Shut Down 1	Shut Down 2	21-01-2015 15:00	C HJ 
	Min 'Wind Speed	12,2	-		
	Max 'Wind Speed	16,8	-		
	Min 'Wind Direction	180	-		
	Max 'Wind Direction	270	-		
	Time Period	0700-2300	-		
41324/WTG18		Shut Down 1	Shut Down 2	21-01-2015 15:00	C HJ 
	Min 'Wind Speed	8,2	-		
	Max 'Wind Speed	12,4	-		
	Min 'Wind Direction	0	-		
	Max 'Wind Direction	90	-		
	Time Period	0700-2300	-		

Turbine ID	Sector Wind Direction Pause system From SCADA			Date and time for the implementation of Mitigation Strategy dd-mm-yyyy hh:mm	Initials
41326/WTG20		Shut Down 1	Shut Down 2	21-01-2015 15:00	C HJ
	Min Wind Speed	8,2	-		
	Max Wind Speed	12,4	-		
	Min Wind Direction	0	-		
	Max Wind Direction	30	-		
	Time Period	0700-2300	-		
41327/WTG21		Shut Down 1	Shut Down 2	21-01-2015 15:00	C HJ
	Min Wind Speed	5,3	10,9		
	Max Wind Speed	12,4	16,8		
	Min Wind Direction	0	180		
	Max Wind Direction	30	270		
	Time Period	0700-2300	0700-2300		
41328/WTG22		Shut Down 1	Shut Down 2	21-01-2015 15:00	C HJ
	Min Wind Speed	12,2	12,2		
	Max Wind Speed	16,8	17,3		
	Min Wind Direction	180	180		
	Max Wind Direction	270	270		
	Time Period	0700-2300	2300-0700		

Explanation to the SCADA WSMS picture:

When the defined criteria in a sector are met, the turbine operation state is changed to Pause. The entry in the alarm log will read "Paused by source 6" (Environmental). All three different criteria will have to be met in order to pause the turbine. If one of the criteria is no longer met the turbine will be put back into production.

- Operation State: Tells what state the turbine is in. (Run = in Production)
- Windspeed Avg: Is the filtered and averaged wind speed signal used by the WSMS
- Winddirection: Is the filtered nacelle position signal used by the WSMS
- WSMS active: Green means that the sector wind direction system is activated
- Enabled: Green tells how many sectors that are used
- Criteria 1: Hour start and Hour stop: If the time is in between the start and stop hour, the frame is green and one of three criteria is met.
- Criteria 2: WS Start and WS stop: If the Wind speed Avg. is in between the start and stop speed, the frame is green and the second out of three criteria is met.
- Criteria 3: WD Start and WD stop: If the Wind direction is in between the start and stop position, the frame is green and the third out of three criteria is met.

Operation State	Run	
Windspeed Avg	1.89 m/s	
Winddirection	116 degrees	
WSMS Active		
	Sector 1	Sector 2
Enabled		
Hour Start	7	23
Hour Stop	23	7
WS Start	12.2	12.2
WS Stop	16.8	17.3
WD Start	180	180
WD Stop	270	270

- The clock used by the WSMS: The time used is the local time zone

How to check the status of WSMS:

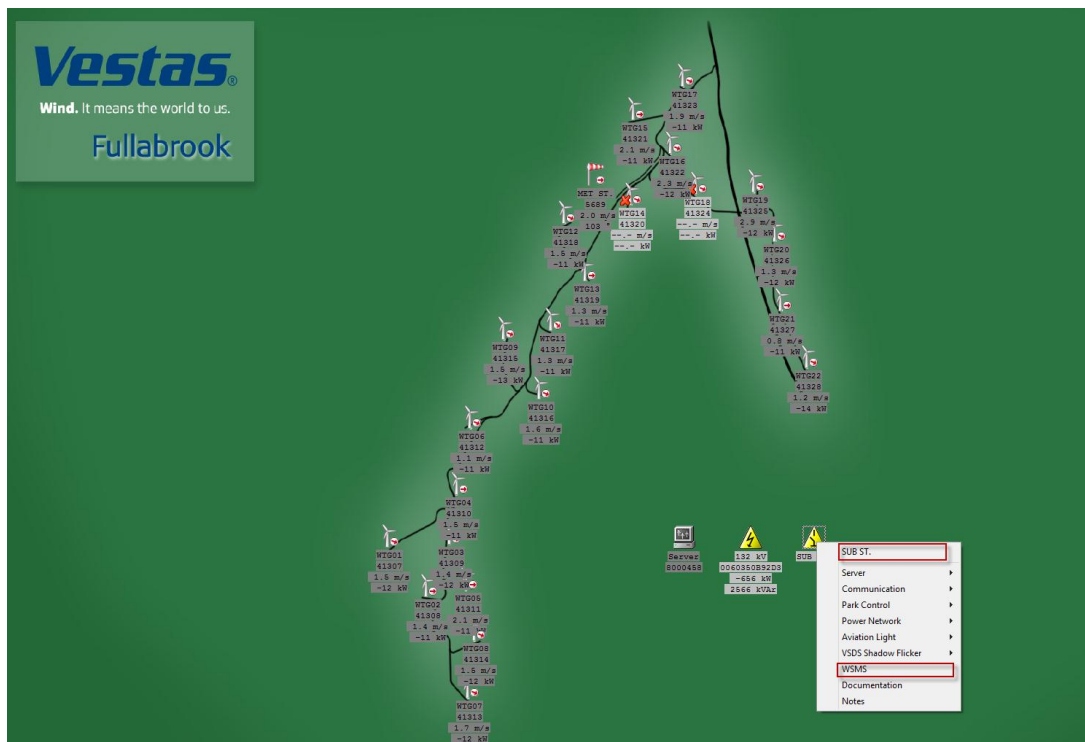


Figure 1 It is visible on the SCADA system by right clicking on the SUB ST icon and choosing WSMS.

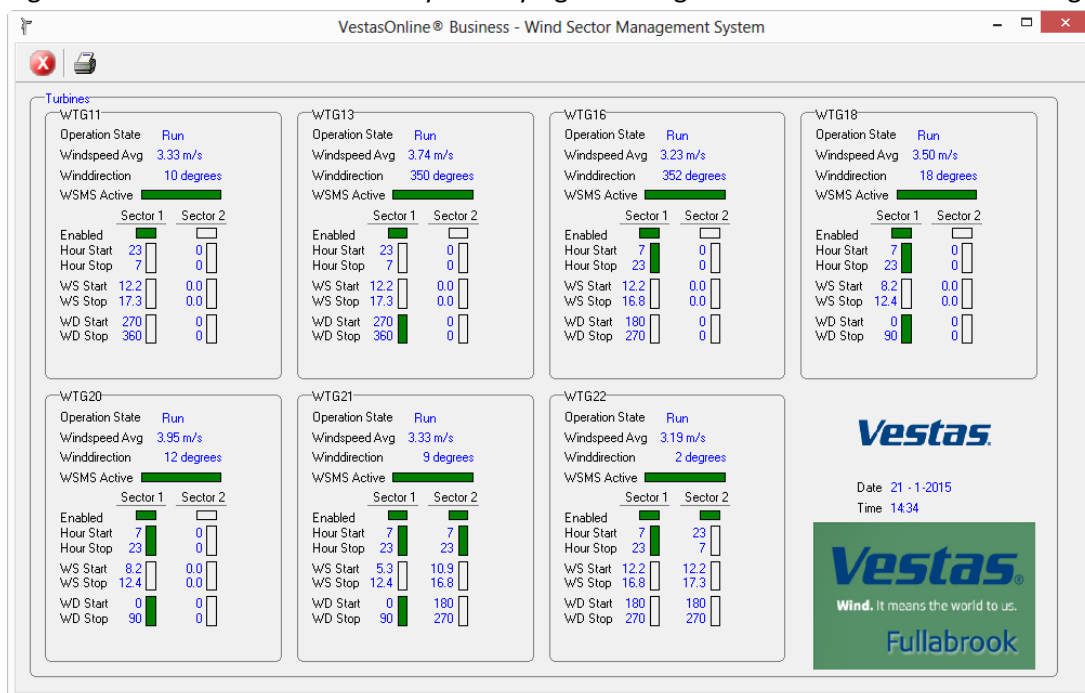
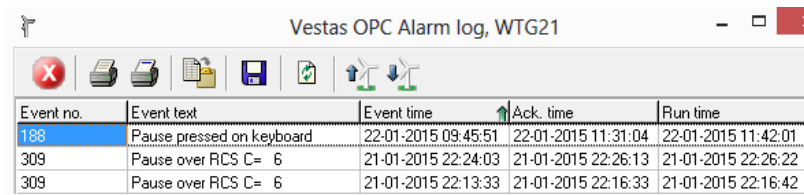


Figure 2 Status WSMS picture



Event no.	Event text	Event time	Ack. time	Run time
188	Pause pressed on keyboard	22-01-2015 09:45:51	22-01-2015 11:31:04	22-01-2015 11:42:01
309	Pause over RCS C= 6	21-01-2015 22:24:03	21-01-2015 22:26:13	21-01-2015 22:26:22
309	Pause over RCS C= 6	21-01-2015 22:13:33	21-01-2015 22:16:33	21-01-2015 22:16:42

Figure 3 Example from a turbine log where the turbine is paused from the SCADA/WSMS system

VTM Turbine Parameter Monitoring

Turbine Parameter Monitoring is an internal Vestas' tool which allows Vestas to monitor self-selected parameter on individual turbines.

The monitor checks turbine parameter up against a reference database.

The reference database is maintained by Technical Field Support in the regions.

The reference database for Fullabrook wind farm contains noise setting and generator operation mode for all turbines.

The turbine parameter values are supplied from two different sources to the Vestas Database

1. If any Vestas computer makes change to a turbine configuration, it is sending the new configuration to Vestas Database afterwards.
2. The customers SCADA system collects turbine parameter and transfer the data to Vestas Database on a daily basis.

If selected turbine parameter is different from parameters in reference database, the monitor generates an alert, which is visible to all VTM users at Vestas.

Responsibility for handling alerts from the parameter monitor is the Regions / Technical Field Support department.




Extraordinarily our VTM Specialist will develop an automated status message that will be sent by email to the Vestas customer service manager for Fullabrook with an interval of every quarter or half-year.

From: VWSVDCSupport@vestas.com [mailto:VWSVDCSupport@vestas.com]
Sent: 5. marts 2015 12:32
To: Lars Peter Hansen
Subject: Fullabrook Parameter Alerts.rdl was executed at 3/5/2015 12:32:05 PM

VTM Parameter status

	Fullabrook																					
	41307	41308	41309	41310	41311	41312	41313	41314	41315	41316	41317	41318	41319	41320	41321	41322	41323	41324	41325	41326	41327	41328
Parameter Name																						
ConnectPitchPosPx (VMP6000)																						
FreewheelPositionPx (VMP6000)																						
Gen1PowerMinPx (VMP6000)																						
GeneratorSelectPx (VMP6000)																						
NRMSSec1EndPx (VMP6000)																						

Figure 4 example of a status messages from Turbine Parameter Monitor

-  Green frame means that the reference database parameter and the actual turbine parameter have an identical value.
-  White frame means that this parameter the specific turbine is not monitored.
-  Red frame means that there is a difference in the parameter value between reference database and actual turbine parameter value