

# NEST

## CONDITION MONITORING PLATFORM



Modularity

Remote use

New generation HMI

# SMART MODULARITY



The right information to the right person



Remote use



Centralized multi-technique and multi-system data

## 🌀 SMART COMMUNICATION



Automatic reports

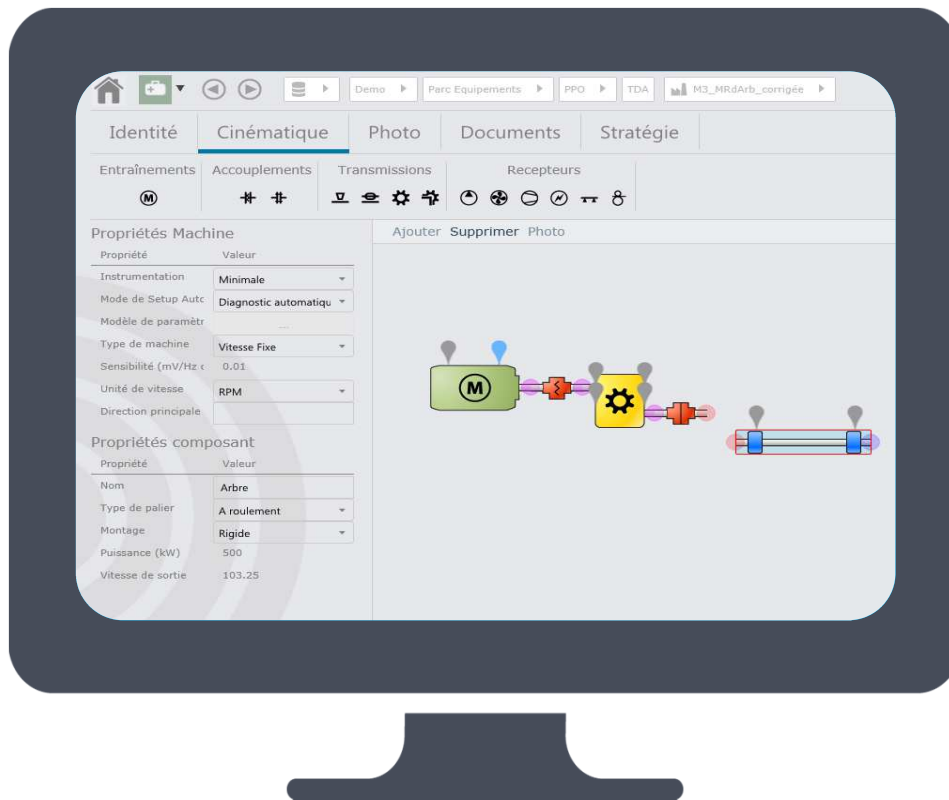
Web Interface (SUPERVISION Module)

CMMS Interface (SAP, Maximo...)

OPC publishing

Automatic notifications (email, SMS)

# QUICK AND EASY MACHINE SETUP



Kinematics description

Automatic measurement setup generation

No vibration skills required!

# QUICK AND EASY ACCESS TO RESULTS



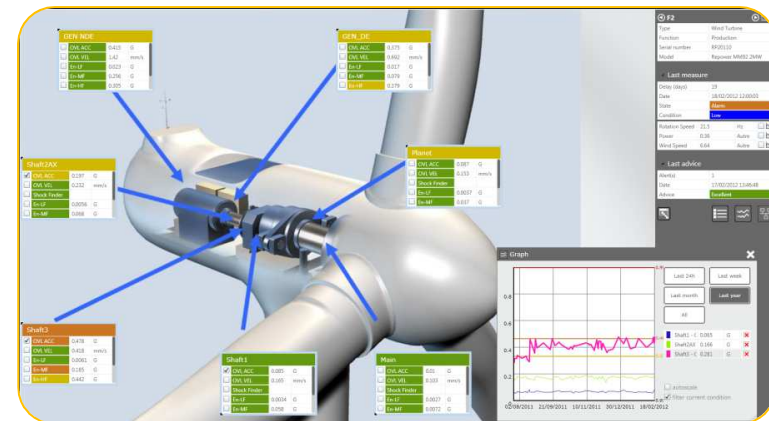
Expert advices

Etat	Date	Diagnostic	Recommendation
<span style="background-color: yellow;">■</span>	14/01/2012	Shaft 3 NDE bearing + GEN DE bearing	periodic vibration follow up
<span style="background-color: yellow;">■</span>	21/11/2011	Shaft 3 NDE bearing + GEN DE bearing	periodic vibration follow up
<span style="background-color: green;">■</span>	27/09/2011	Vibration levels OK	periodic vibration follow up
<span style="background-color: green;">■</span>	24/08/2011	Vibration levels OK	periodic vibration follow up

**21/11/2011 Shaft 3 NDE bearing + GEN DE bearing**

**Diagnostic**  
early bearing defect on shaft3 NDE,  
Early Spalling defect on GEN DE

**Recommendation**  
periodic vibration follow up



# THE MOST PRODUCTIVE ANALYSIS TOOL



Where is the defect? →

Operating Parameters	Rot Spd				
	1 RH	2 RV	3 Ax	3 Ro	4 Ro
Filter <input checked="" type="radio"/> All <input type="radio"/> Others <input checked="" type="checkbox"/> Hard <input checked="" type="checkbox"/> Soft <input checked="" type="checkbox"/> Inhibited					
PSS	1 RH	2 RV	3 Ax	3 Ro	4 Ro
Acc. Overall	0.293	1.15	1.67	4.43	2.64
Vel. overall	3.36	2.62	8.97	17.9	32.6
Defect factor	2.79	5.15		7.92	6.82
Fo Unbalance	0.277	0.440	8.05	17.2	31.1
2x FO Misalignment	0.271	0.244	1.42	1.24	2.06
3x FO Misalignment	0.065	0.221	0.598	2.26	1.85
LF Acc 2-200	0.065	0.047	0.122	0.230	0.388
MF Acc 200-2000	0.053	0.092	0.092	0.273	0.418
HF Acc >2000	0.243	1.19	1.54	4.09	2.53

What is the defect? ↓