

Acoustics and Vibration research group

// Website research infrastructure

<http://mech.vub.ac.be/avrg/consulting.htm#Vibration%20>

Testing

<http://mech.vub.ac.be/facilities.htm>



Experimental facilities & analysis capacity



Data & information management and computing infrastructure

Infrastructure Categories		Infrastructure
	Overview	
	Field instrumentation	<ul style="list-style-type: none"> Monitoring systems on C-Power offshore wind farm ³ Monitoring systems on Nobelwind offshore wind farm ³
	Analysis, equipment, services and techniques	<p>Equipment</p> <ul style="list-style-type: none"> Mobile dynamic measurement system ² Stand-alone dynamic measurement system with 3G capability ² Permanent monitoring system for dynamic monitoring ² <p>Services</p> <ul style="list-style-type: none"> Design verification ² Short-term dynamic assessment ² Permanent monitoring of dynamic system ²
	Marine land-based facilities for engineering	<ul style="list-style-type: none"> Anechoic Acoustic Room Polytec Scanning Laser Doppler Vibrometer IST Hydraulic Test Rigs LMS Scadas-III Front-End Combustion Engine Test Rig Wind Tunnels: <ul style="list-style-type: none"> Low speed tunnel for turbulence research with a deformable upper wall (length 8 m, test section 1.4 m x 0.4 m) Low speed tunnel for industrial aerodynamics (length 12 m, test section 2 m x 1 m) Turbomachinery: Test rig for hydraulic turbines and pumps <ul style="list-style-type: none"> Laser Doppler System with Test Bench Axial Test Pump in Test Bench with LDS probe lens
	Num. models, spec. software and comp. IR	Signal Processing and Modal Analysis