

OIL & GAS BUSINESS UNIT



Experts in testing and modelling complex mechanical systems committed to the development and operation of more reliable, durable, quiet and comfortable technologies.

www.vibratec.fr

VIBRATEC ASIA PACIFIC

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VibraTec provides comprehensive support to our clients throughout the entire life cycle of their products. Our involvement spans the oil & gas industry, encompassing the design process, operations, and asset management phases.

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ABOUT VIBRATEC GROUP



Established since 1986

VibraTec Group:

- VibraTec
- VibraTec Asia Pacific
- MicrodB
- VibraTeam

Expert in the testing and modeling of complex mechanical systems.

In the following fields:

- Vibration
- Acoustics
- Fatigue / Reliability

A multi-sector experience



Railway



Energy



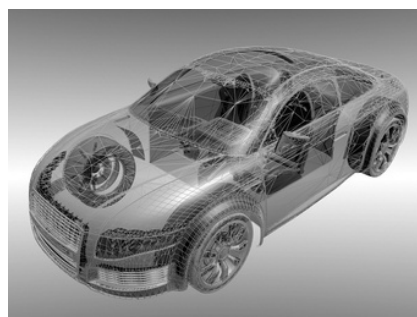
Industry



Marine & Defense



Aerospace



Automotive

VIBRATEC'S ROLE IN THE OIL & GAS INDUSTRY



A DEDICATED TEAM WITH BUSINESS EXPERTISE TO SERVE AMBITIOUS PROJECTS



FEED, DESIGN

- Feasibility
- Specifications



DETAILED ENGINEERING

- Design control
- Optimization



COMMISSIONING

- Validation
- Correction

OPERATIONAL ASSISTANCE



EQUIPMENT

- Structures
- Rotating Equipments



STRUCTURES

- Supporting structures
- Interactions among sources



NOISE

- Environmental Impact
- Work areas
- Living quarters



PIPING

- Inspection
- Main pipe and SBC diagnosis
- Debottlenecking

SCOPE OF WORK

EXTENSIVE ASSISTANCE TO OUR CLIENTS ACROSS THE COMPLETE LIFESPAN OF THEIR PRODUCTS.



PIPING STUDIES

- Flow Induced Vibration
- Acoustic Induced Vibration
- Flow Induced Pulsation
- Advanced FIV & AIV

VIBRATION STUDIES

- Equipment Induced Pulsation
- Pulsation Study (API 674 / 618 / 619)
- Vibration Study and Analysis
- Torsional & Lateral Analysis

NOISE STUDIES

- Airborne-Noise
- Structure Borne Noise
- HVAC Noise Verification
- Noise Risk Assessment (NRA)
- Noise Exposure Monitoring

MEASUREMENT

- Vibration & Noise Onsite
Diagnosis and Troubleshooting

TRAINING PROGRAMS

ENGINEER YOUR FUTURE WITH OUR TAILORED TRAINING PROGRAM



Open Sessions

We organize open sessions at requested dates. You can also train a group of employees in private company sessions that can take place anywhere in the world, on your premises or any suitable location.



Full-flex programs

All our training programs can be customized or combined on demand to target the specifics of your business, application or tools (equipment, software).

Online sessions

It is also possible to consider an online format for most of our standard training programs.

General Training Courses

Fundamentals of Acoustics

Fundamentals of Vibration

Fundamentals of Signal Processing

Experimental Modal Analysis

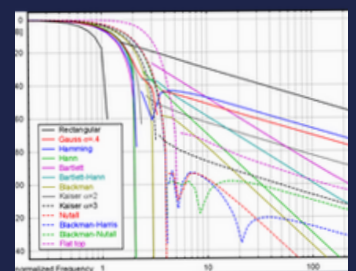
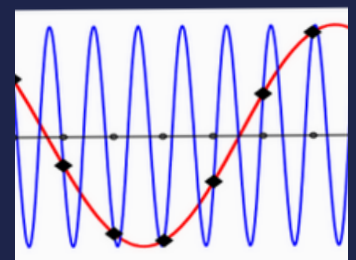
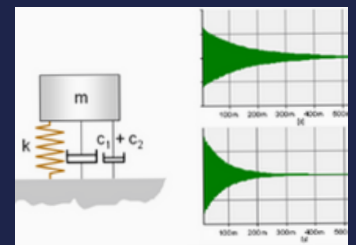
Experimental Vibration Analysis

Advanced Signal Processing

Vibration-Induced Pipework Failure

Industrial Sector Training Courses

O&G Industry Vibration Control



OUR COMMITMENTS

Technology serving a societal vision

Improve quality of life

- Less noise and vibration
- Greater comfort
- Better integration in urban areas



Limiting environmental impact

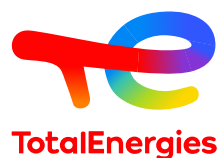
- Improved sustainability of the overall system, maintain and monitor system status
- Better integration into environment

Control operating costs

- Longer operating times
- Fewer breakdowns
- Better availability
- Decision support



OUR TRUSTED PARTNERS



GET IN TOUCH



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