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*Synergy  
&  
Competences*

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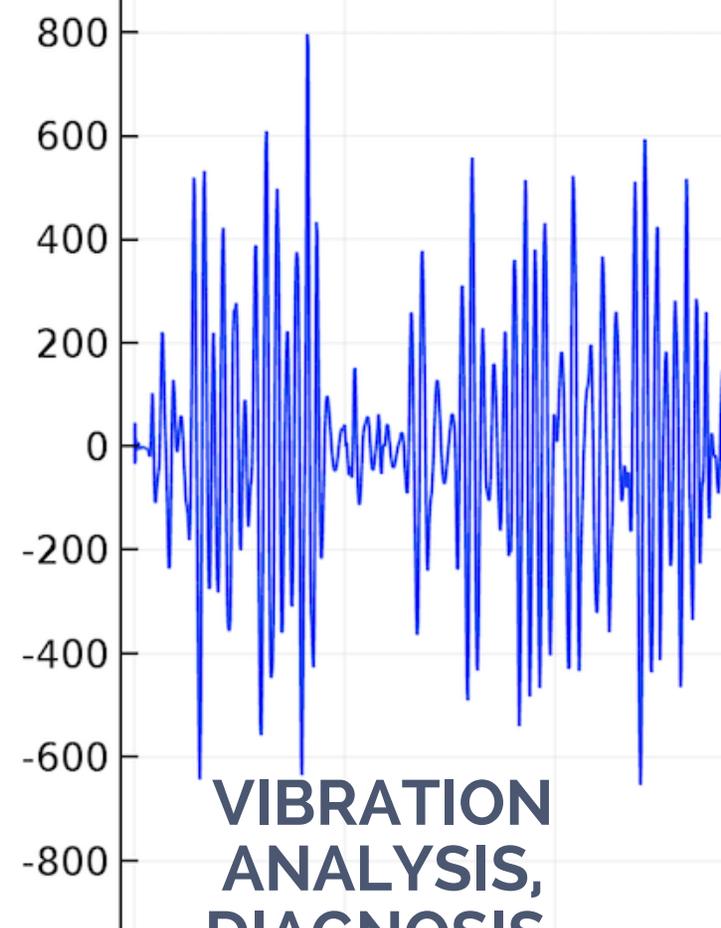
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Lot 32A-22  
KKIP Ready Built Factories  
Phase 2  
Industrial Zone 4 (IZ4), KKIP  
Kota Kinabalu, Sabah

088 496 177

[www.seatech.my](http://www.seatech.my)



**VIBRATION  
ANALYSIS,  
DIAGNOSIS  
&  
TROUBLESHOOTING  
TECHNIQUES**

*Sabah based*



**S**EATECH **E**NGINEERING **M**AINTENANCE SDN BHD  
*Synergy and competences* (388925-D)

## ABOUT VIBRATEC



Vibratec Asia Pacific, is a leading French originated consultancy group, known for its expertise in the field of vibration, acoustics and structural dynamics and is represented in Sabah by Seatech Engineering Maintenance Sdn Bhd, concentrating primarily on the Vibration Analysis of rotary machinery.

We have conducted vibration analysis and predictive maintenance business in Sabah. Together, Vibratec and Seatech Engineering Maintenance Sdn Bhd can offer services in support of various industries including:

Oil & Gas, Defence, Automotive, Aerospace, Railway, Power Generation Maritime, Marine and Dockside, Pulp & Paper and Sawmills, Manufacturing and Food Processing, Refineries and Production Plants, Mining and Cement, ...

### VIBRATION ANALYSIS

Vibration analysis is the process of assessing equipment/piping condition and structural integrity either through experimentally i.e diagnosis of faults in equipments through the measurement exercise or through computational simulation.



## OUR CAPABILITIES INCLUDE :



### Equipment/ Piping Smart Monitoring System

Continuous monitoring of equipment/piping condition is vital to identify potential defects before complete failure. Identification, localisation and monitoring of various defects, through a state of the art embedded product with a view to deliver a product that is compact and intelligent and be capable of measuring, analyzing and communicating in real-time the mechanical evolution of the structure or system to which they are applied and pass these 'health' data back to operators right at their very fingertip through smart devices. Each monitoring device can be customised to suit project requirements and operator convenience.

### Vibration Fault Troubleshooting

With over 30 years of experience in troubleshooting missions across the globe, we are able to quantify and propose solutions for any equipment vibration related situations. As a result we are able to diagnose and supply solutions for multitudes of vibration issues such as vibrating pipes, lack of or piping support inefficiencies, sizing of dampeners, vibration transmission from equipment within the vicinity.

## Commissioning & Acceptance Testing

Identifying areas of concern can be effective for getting the suppliers support

### Predictive Maintenance Program Set-Up

A comprehensive predictive maintenance (PdM) program can improve plant safety and reliability through early detection of equipment problems. If a program is not set up with clear objectives and goals in mind, program outcome expectations may not be properly met or it may become difficult to justify the expense of the program. We can help work out an effective program that brings the costs and performance related issues to a positive solution. This requires cooperative effort of operators, maintenance and management addressing each of their values and objectives. Seatech will work with all parties to build a clear and well-defined predictive maintenance program.

### Training

With our years of experience in many industries using many different types of software and hardware, Seatech and Vibratec are an excellent source for training employees on a new vibration analysis system. We will perform on-site training, on a one on one or workshop format, with clients equipment. We are able to create customized course agendas to meet each client's specific needs.