

Received an Offer as Vibration Specialist with a Monthly Salary of RM 50,000 to Work in the Middle East!



An interview with:
Razaman Maydin
RZF Eng. Services Sdn Bhd, Shah Alam
Committee member of the IMM Vibration Committee



Edited by:
Dr. Yoga Sugama Salim
Norimax Sdn Bhd



Interviewed by:
Dr. Zulkarnain Kedah
Serba Dinamik Group

CORPORATE INTERVIEW

1. What is the best offer in your career?

I did not believe when I was offered RM 50,000 a month based in the Middle East, to set-up the new department, handle and monitor vibration of all the rotating machineries in the plant including to carry out in-situ balancing, laser alignment and also overhauling of machines. At the same time, I have to move around to other countries in the Middle East to monitor vibration level of machineries for the group of companies. However, I declined this offer because at that time, I was very busy running my own business in vibration monitoring field and was committed to deliver quality services to my clients.

2. Starting of my career since 1993

Regarding my involvement in vibration field, I started as Sales and Service Executive in 1993, being responsible for carrying out project management and servicing of various types of rotating machineries. During that time, I took the opportunity to deepen my knowledge in this field with Dr. Abdul Ghaffar Abd. Rahman who was a Senior Lecturer in Mechanical Engineering at the University of Malaya (1994-1998), who was one of the founders for Conditioned Based Monitoring or CBM since early 1980's. I started this business in 2007 with a capital of RM 60,000 to cover the company operations in the first few months and to buy on-site balancing equipment.



Figure 1: Vibration analysis of motor & fan impeller at Shah Alam, Malaysia

Based on my experience in this field for more than 25 years, I find that vibration monitoring is a specialised skill under mechanical rotating engineering which is still open to any interested individuals especially for those who have a background in mechanical, civil, electrical, IT and other technical fields. After several years, I have successfully secured a number of high value projects and long-term contract's. I have travelled to countries such as Indonesia, Brunei, Thailand and Papua New Guinea.



Figure 2: Troubleshoot abnormal high vibration of steam turbine and alternator at Indonesia

3. What is your advice for those who are interested in this field of vibration?

To become specialist as your career in this field, never stop asking questions and keep on learning from everyone.

Even the technician who dismantles and installs the equipment has something to teach us. We must always be involved in doing machine repair work and not be afraid to dirty our hands. From there we can understand the machine better to enable vibration troubleshooting and diagnosis of vibration problem in rotating machinery. With this specialised skill, vibration practitioners or specialists can choose to run their own business or work with others in Malaysia or abroad.

4. What are the challenges when troubleshooting vibration at site?

Most the vibration troubleshooting for rotating machineries would require input from maintenance record, machine operator, methods / techniques of inspection and technology. Taking the measurement is easy but to interpret the data or spectrum requires deep thinking with lots of challenges, especially when the problem originates from other sources such as the floor / building structure and others.



Figure 3: Laser alignment shaft to shaft