

6D in 60 Seconds

November 2019



ENGINEERING ANSWERS through TESTING & ANALYSIS

In this business you have to get your hands dirty. From the test lab to ocean oil platforms, underground mines, and everywhere in between - we collect, analyze and interpret the data to drive simulation and provide answers to complex and costly mechanical engineering challenges.

[Visit our Website](#)



High Frequency Data Acquisition

Changing the Landscape of Long-Term Field Testing with Lab-Quality High-Frequency Data Acquisition

A novel approach to field testing and analyzing equipment — whether the machinery is deep inside a mine or clearing a remote mountain pass — now allows engineers to gather a far more complete picture of the actual environment and stresses that lead to structural failures.

[Read More](#)

DID YOU KNOW



Six D provides troubleshooting, design validation and technology transfer to equipment dealers?

We get involved when an equipment dealer is requested to commission an engine to drive a piece of equipment from another OEM. In these situations, unexpected vibrations can create problems. We help you to understand how to make the engine, the driven piece of equipment, and the environment in which they operate all interact.

And we don't stop there – 6D provides a cost-effective solution problem. We can even help your people understand how to diagnose these problems allowing you to do the work yourself in the future.

Six D services include:

- [Testing](#)
- [Training & Support](#)
- [Engineering Analysis](#)
- [Product Validation](#)
- [Equipment Condition Monitoring](#)
- [Design Support](#)
- [Equipment Troubleshooting](#)

4 Questions 4: Rohit Patwardhan



Six D believes that there are some things that just can't be learned in the classroom. Our coop program provides practical hands-on experience for the next generation of mechanical engineers.

Let's learn a little more from Rohit Patwardhan, one of our recent coops...

Q: Can you tell us a little about your background?

I come from Pune, India; a city close to Mumbai (Bombay). I completed my bachelor's degree in Mechanical Engineering from University of Pune. I wanted to come to the United States to earn a Master's degree in Mechanical Engineering with specialization in NVH. I had interest in structural dynamics and mechanics, and I found the University of Cincinnati to be one of the pioneers in the research in this domain. I became interested in the history of SDRC and its close relation to the university.

Q: How was your experience at 6D different from other internships?

I had a great experience at 6D. Apart from the regular engineering experience, I got to learn project management and customer interaction. I was the main point of contact for a few projects. I was also able to materialize testing and analysis procedures to provide viable solutions to clients. I generated and presented

technical reports.

Q: How was your experience in working at 6D; did you like it?

It was great! The work culture is really nice and everyone is very polite and welcoming. They put a lot of confidence in me and helped me gain vital experience rather than just limiting me to engineering work. It was enjoyable and extremely helpful. I also got a chance to travel. Work took me to Chicago, Indiana and Georgia.

Q: How will this help you to become a better engineer?

Engineering is never limited to theoretical knowledge. You need to improvise, understand and find a feasible solution while considering the cost of the project. I was able to experience how real-life testing differs from lab. Analyzing and processing data is easy, finding the conclusions is where the real expertise lies; and I was able to experience it. It also polished my interaction skills and working as a team member not only with 6D but also with the clients and the engineers at the client site. Being flexible and adjusting to situations is also a very important skill I learnt, and it can't be taught in class.

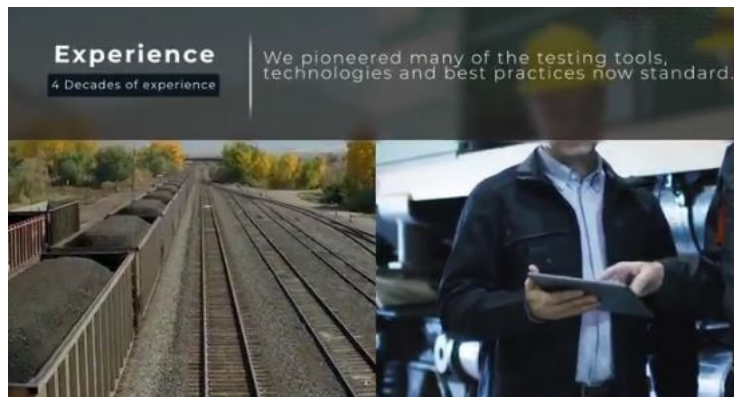
[Read the Full Interview Here](#)



**Some say talk is cheap...
We say its free**

Do you have a question or just want to discuss your specific issues? Give us a call - no cost or obligation. If we can offer some advice or recommendations we're happy to do so!

[Contact us here](#)



Are you curious about 6D and how we assist companies like yours? Do you have a minute? (Actually a minute and twenty-eight seconds.) If so, click the link below and see for yourself.

[Check out our Video!](#)

IN CASE YOU MISSED IT

From past issues...

[Product Validation](#)

[Durability Testing for Off Highway and Specialty Vehicles](#)

[Unattended Testing](#) monitors equipment around-the-clock ensuring that all events are captured and analyzed.

View past newsletters [here](#)

Explore our Web Site!

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