

## **Transcript of Neena Gandhi, Mechanical Engineer**

The coolest part about my job... is I get to design and build stuff!

I'm a mechanical engineer—I specialize in project engineering in the gas and oil business. My job is super fun; I mostly deal in communications, so my job is to make sure that we figure out exactly what the client wants, communicate it back to my team, make sure that we've got everybody onboard working together on the same idea, and then at the end, once it's all done, we deliver a product. It's awesome.

Engineering is a very technical field but the thing that I learnt the most out of engineering is how to solve problems—how to learn how to learn something new. Take a problem, break it down into all its little steps, work through logical solutions to the problems, pick the best one, implement it, and then get some feedback to make sure what I implemented actually worked or change it; and you can apply that to anything.

So right now I'm working on this really cool project; it's a sub-sea pipeline installation. It's really neat because it gets to be installed by divers and you can't actually go and see it, so all the data that we receive is based on drawings and video that came from a remote operated vehicle that goes under the water and films everything.

We have this amazing tool; it's a model of all the platforms. It was used at the design stage and now we continuously use it and it's like a video game; you can fly around the model and look at piping, look at valves, look at vessels—it's really cool and very helpful in our design work.

The best part of my job is that we design it, and we build it and I get to put it in.

So education was really important in my family; my parents are from India where education isn't always free, so to have free education is amazing! What an opportunity. Truth be told I almost failed grade three because I couldn't get my head around subtracting and with the support of my parents and my teachers I was actually able to figure it out, and I'm an engineer now.

My advice to you is to be yourself and try. The worst that can happen is that you don't succeed, but you learn something; and the best thing is you get what you want, how amazing is that?