

# Faces behind the Start-Up



## Rising to the Challenge



**Ir. Haniza Haron**  
Piping Specialist, Central Maintenance, PRefChem

Ir. Haniza Haron is the only female Piping Specialist at PRefChem with 16 years of experience working in the oil and gas industry before joining PRefChem in 2018. Currently, there are only four piping experts who oversee and attend to all matters related to piping for the whole complex. Piping Specialists are knowledgeable, reliable and prepared round the clock for the unexpected and anticipate anything related to the piping.

Rising to the challenge, Haniza said "It's not just me that need to be around the clock for the start-up. Everyone needs to be prepared to work around the clock as plant safety is our priority. I do care about my family, of course. When I am on standby, I will inform my husband and children two weeks in advance and luckily, I am glad that my three children and husband have been very understanding," said Haniza.

"It is the passion that I have in piping that I do not mind attending issues during odd hours. If a person does not have passion, all they do is complain and sigh. For most people, pipe is just pipe but from an angle of a Piping Specialist, I see piping as a great design to transport product. There are lots of things to be learnt and I enjoy the challenges here. I believe in lifelong learning and I'm always willing to listen to others with open heart regardless of their years of experience in the field."

In describing her experience on the recent start-up, she said, "During start-up and plant running, we have products such as hydrocarbon, steam and hydrogen being channelled into the piping. Possibility of piping vibration, snaps, leakages and bursts could happen. When we receive report on these issues, we will verify the magnitude of the issue that is being reported and advise on the repair works. We will also conduct root cause analysis to create the next action items that need to be closed so that the issue will not happen again".

When asked on the challenges of her tasks, Haniza said "Online leak sealing at high temperature and pressure with the unstoppable medium flowing, performing live flange joint tightening as we cannot shut down the piping system and entering pits to assess underground piping leakage. Being inside the pit to assess the leakage to advise the repair work is very risky. Not everyone can go inside the 3 to 4 meters deep hole in the ground as you need the Authorized Entrance and Standby Person (AESP) certification".

She also emphasised on the importance of accuracy in handling her work. "There are no such thing as small issues. Every issue is an issue that need to be attended to even if a leakage is as tiny as a pinhole because that tiny leak can turn into a massive leak or burst where anything near the burst can be thrown meters away just like what you see in action films!," she added.

"There are various causes for piping damages. These include defect during manufacturing or design, incompatibility of the pipe material with the medium inside the pipe, or any internal or external factors such as excessive forces being imposed on the pipes which lead to pipe hammering that hit the structure which would then cause the pipe to crack and pipe vibrate", Haniza added.

Looking at her, it is easy to see why Haniza can keep doing what she does. While competency is a given as a Piping Specialist, her attention to detail and her passion for the job is what makes her keep going despite the numerous challenges faced, knowing the risks involved. Let's keep praying for a Safe, Successful and Stable operations for PIC.

**Thank you to everyone who has worked tirelessly to make the Start-up a reality,  
for making the milestone and keeping us safe.**

Brought to you by PRPC and PRefChem Change Management teams